Списъка на цитатите е изготвен с използването на програмата EndNote от Web of Science като са проследени и включени цитатите започвайки от най-цитираната работа на К. Панайотов и завършвайки с работите цитирани по 1 път. По този начин, някои от цитиращите статии се срещат повече от един път: това означава, че те цитират повече от една (при това различна) статия на К. Панайотов. Всъщност, колкото пъти се среща в списъка една и съща работа, толкова на брой различни статии на К. Панайотов са цитирани в нея. Автоцитатите са изключени като са премахнати от списъка работите на К. Панайотов и повечето от работите без негово участие но с участие на някой от неговите съавтори. По този начин е възможно да са премахнати цитати които не са автоцитирания и общият брой на цитатите в списъка да е по-малък от изчисления в Web of Science; там означеният брой цитати на К. Панайотов е 4137 без автоцитати 3025 (на 16/06/2021).

1. Ablowitz, M., P. Horikis (2017). "Rogue waves in birefringent optical fibers: elliptical and isotropic fibers." J. Opt. **19**(6).
2. Abolghasem, P., et al. (2012). "Monolithic Photonics Using Second-Order Optical Nonlinearities in Multilayer-Core Bragg Reflection Waveguides." Ieee J. Sel. Top. Quant. Electr. **18**(2): 812-825.
3. Ackemann, T. and M. Sondermann (2001). "Characteristics of polarization switching from the low to the high frequency mode in vertical-cavity surface-emitting lasers." Appl. Phys. Lett.**78**(23): 3574.
4. Ackemann, T. and M. Sondermann (2001). Characteristics of polarization switching in vertical-cavity surface-emitting lasers. VCSELsV. **4286:** 44-54.
5. Ackemann, T., et al. (2003). Self-organization in vertical-cavity surface-emitting lasers: Polarization selection and polarization dynamics. Caol '2003: Proc. 1st Int. Conf. Adv. Optoelectronics and Lasers, Vol 1**:** 75-77.
6. Ahmed, S. N., et al. (2014). Relative Intensity Noise of VCSELsSubject to Variable Polarization-Optical Feedback.
7. Ahmed, W. W., et al. (2016). PT-Axisymmetric Photonic Nanostructures. 2016 18th ICTON.
8. Ahmed, W. W., et al. (2016). Axisymmetric photonic structures with PT-symmetry. Active Photonic Materials Viii. G. S. Subramania and S. Foteinopoulou. **9920**.
9. Ahmed, W. W., et al. (2016). Suppression of modulation instability in pump modulated flat-mirror VECSELs. Nonlinear Optics and Its Applications Iv. **9894**.
10. Ahmed, W. W., et al. (2018). "Stabilization of broad-area semiconductor laser sources by simultaneous index and pump modulations." Opt. Lett. **43**(11): 2511-2514.
11. Akhmediev, N., et al. (2018). "Dissipative solitons with extreme spikes in the normal and anomalous dispersion regimes." Phil. Tran. Royal Soc. A **376**(2124).
12. Akosman, A. Sander (2018). "Route towards extreme optical pulsation in linear cavity ultrafast fibre lasers." Sci. Rep. **8**.
13. Alfifi, H. Y. (2021). "Feedback Control for a Diffusive and Delayed Brusselator Model: Semi-Analytical Solutions." Symmetry-Basel **13**(4).
14. Ali, S. Z. and M. K. Islam (2017). "Erbium-doped fiber ring laser dynamical analysis for chaos message masking scheme." Optica Applicata **47**(3): 395-410.
15. Al-Seyab, R., (2013). "Dynamics of VCSELs Subject to Optical Injection of Arbitrary Polarization." Ieee J. Sel. Top. Quant. Electr. **19**(4).
16. Al-Seyab, R., (2011). "Dynamics of Polarized Optical Injection in 1550-nm VCSELs: Theory and Experiments." Ieee J. Sel. Top. Quant. Electr. **17**(5): 1242-1249.
17. Al-Seyab, R. K., et al. (2015). "Dynamics and polarization of conventional and spin-VCSELs in the presence of an axial magnetic field." J. Opt. Soc. Am. B **32**(4): 683-691.
18. Alvarez-Socorro, A. J., et al. (2018). "Spontaneous motion of localized structures induced by parity symmetry breaking transition." Chaos **28**(5).
19. Amil, P., et al. (2019). "Outlier Mining Methods Based on Graph Structure Analysis." Frontiers in Physics **7**.
20. Amil, P., et al. (2019). "Machine learning algorithms for predicting the amplitude of chaotic laser pulses." Chaos **29**(11).
21. Ankiewicz, A. N.. Akhmediev (2017). "MULTI-ROGUE WAVES AND TRIANGULAR NUMBERS." Rom. Rep. Phys.**69**(1).
22. Ankiewicz, A. N.. Akhmediev (2017). "Rogue wave solutions for the infinite integrable nonlinear Schrodinger equation hierarchy." Phys. Rev.E **96**(1).
23. Ankiewicz, A., et al. (2018). "Rogue waves under influence of Raman delay." J. Opt. Soc. Am. B **35**(4): 899-908.
24. Ankiewicz, A., et al. (2020). "UNDERSTANDING GENERAL ROGUE WAVE SOLUTIONS OF THE GARDNER EQUATION." Rom. Rep. Phys.**72**(4).
25. Anwar, M. S., et al. (2020). "Behavioral study of a new chaotic system." Eur. Phys. J.-Special Topics **229**(6-7): 1343-1350.
26. Aoyama, H., et al. (2011). "Chaos dynamics in vertical-cavity surface-emitting semiconductor lasers with polarization-selected optical feedback." Opt. Commun.**284**(5): 1405-1411.
27. Arahata, M. and A. Uchida (2015). "Inphase and Antiphase Dynamics of Spatially-Resolved Light Intensities Emitted by a Chaotic Broad-Area Semiconductor Laser." Ieee J. Sel. Top. Quant. Electr. **21**(6).

28. Argyris, A., et al. (2016). "Gb/s One-Time-Pad Data Encryption With Synchronized Chaos-Based True Random Bit Generators." J. Lightwave Techn.**34**(22): 5325-5331.
29. Argyris, A., et al. (2016). Physical layer one-time-pad data encryption through synchronized semiconductor laser networks. Optical Metro Networks and Short-Haul Systems Viii. **9773**.
30. Asgarnezhad-Zorgabad, S., et al. (2020). "Surface-polaritonic phase singularities and multimode polaritonic frequency combs via dark rogue-wave excitation in hybrid plasmonic waveguide." New J. Phys. **22**(3).
31. Asgarnezhad-Zorgabad, S., et al. (2018). "Excitation and propagation of surface polaritonic rogue waves and breathers." Phys. Rev.A **98.**
32. Astrov, Y. A., et al. (2015). "Self-organized patterns in successive bifurcations in planar semiconductor-gas-discharge device." Phys. Rev.E **91**(3).
33. Baili, G., et al. (2009). Two-polarization Two-frequency Operation in a Class-A Semiconductor Laser.
34. Bakker, M. P., et al. (2014). "Polarization degenerate micropillars fabricated by designing elliptical oxide apertures." Appl. Phys. Lett.**104**(15).
35. Balle, S., et al. (1999). "Mechanisms of polarization switching in single-transverse-mode vertical-cavity surface-emitting lasers: thermal shift N.onlinear semiconductor dynamics." Opt. Lett. **24**(16): 1121-1123.
36. Barbay, S., et al. (2018). "Alternation of Defects and Phase Turbulence Induces Extreme Events in an Extended Microcavity Laser." Entropy **20**(10).
37. Barland, S. and Ieee (2015). Temporal localized states in semiconductors: from spatially extended to delayed systems.
38. Baronio, F. (2017). "Akhmediev breathers and Peregrine solitary waves in a quadratic medium." Opt. Lett. **42**(9): 1756.
39. Barve, A. V., et al. (2012). "Ultrafast polarization modulation in vertical cavity surface emitting lasers with frequency dependent current injection." Appl. Phys. Lett.**101**(25).
40. Barve, A. V., et al. (2013). "Fast, electrically controlled polarization modulation of multimode VCSELsby RF frequency modulation." Opt. Expr.**21**(25): 31092-31097.
41. Bava, G. (2001). "Three-dimensional model for vectorial fields in vertical-cavity surface-emitting losers." Phys. Rev.A **63**(2).
42. Beims, M. W. and J. A. C. Gallas (2016). "Alignment of Lyapunov Vectors: A Quantitative Criterion to Predict Catastrophes?" Sci. Rep. **6**.
43. Beims, M. W. and J. A. C. Gallas (2018). "Predictability of the onset of spiking and bursting in complex chemical reactions." Physical Chemistry Chemical Physics **20**(27): 18539-18546.
44. Berrios-Caro, E., et al. (2020). "On the repulsive interaction between localised vegetation patches in scarce environments." Sci. Rep. **10**(1).
45. Boardman, A. D., et al. (2017). "Waves in hyperbolic and double negative metamaterials including rogues and solitons." Nanotechnology **28**(44).
46. Boardman, A. D., et al. (2018). Nonlinear waves in hyperbolic metamaterials: focus on solitons and rogues. Metamaterials Xi. A. D. Boardman, A. V. Zayats and K. F. MacDonald. **10671**.
47. Bonatto, C. (2018). "Hyperchaotic Dynamics for Light Polarization in a Laser Diode." Phys. Rev.Lett. **120**(16).
48. Bonatto, C. and A. Endler (2017). "Extreme and superextreme events in a loss-modulated CO2 laser: Nonlinear resonance route and precursors." Phys. Rev.E **96**(1).
49. Bonazzola, C. (2021). "Numerical modeling of extreme events observed in the all-solid-state laser with a saturable absorber." J. Opt. Soc. Am. B **38**(4): 1398-1404.
50. Bony, P. Y., et al. (2013). "Optical flip-flop memory and data packet switching operation based on polarization bistability in a telecommunication optical fiber." J. Opt. Soc. Am. B **30**(8): 2318-2325.
51. Bordeu, I., et al. (2016). "Self-Replication of Localized Vegetation Patches in Scarce Environments." Sci. Rep. **6**.
52. Bordeu, I., et al. (2015). "From localized spots to the formation of invaginated labyrinthine structures in a Swift-Hohenberg model." Comm. Nonlinear Sci. N.um. Sim. **29**(1-3): 482-487.
53. Botey, M., et al. (2017). PT-axisymmetry for extraordinary field confinement. Photonic and Phononic Properties of Engineered Nanostructures Vii. A. Adibi, S. Y. Lin and A. Scherer. **10112**.
54. Boukhaoui, D., et al. (2019). "Influence of higher-order stimulated Brillouin scattering on the occurrence of extreme events in self-pulsing fiber lasers." Phys. Rev.A **100**(1).
55. Boukhaoui, D., et al. (2019). Extreme events generation via cascaded stimulated Brillouin scattering in self-pulsing lasers.
56. Bree, C., et al. (2016). "Controlling formation and suppression of fiber-optical rogue waves." Opt. Lett. **41**(15): 3515-3518.
57. Burak, D., et al. (2000). "Macroscopic versus microscopic description of polarization properties of optically anisotropic vertical-cavity surface-emitting lasers." Ieee J. Quant. Electr.**36**(8): 956-970.
58. Butler, T., et al. (2016). "Optical ultrafast random number generation at 1 Tb/s using a turbulent semiconductor ring cavity laser." Opt. Lett. **41**(2): 388-391.
59. Calisto, E., et al. (2020). "Magnetic field-induced vortex triplet and vortex lattice in a liquid crystal cell." Phys. Rev.Research **2**(4).
60. Cha, M. T. and R. Gordon (2008). "Spatially Filtered Feedback for Mode Control in Vertical-Cavity Surface-Emitting Lasers." J. Lightwave Techn.**26**(21-24): 3893-3900.

61. Chai, H. P., et al. (2017). "Composite rogue waves and modulation instability for the three-coupled Hirota system in an optical fiber." Opt. Eng. **56**(10).
62. Chan, H. N. and K. W. Chow (2017). "Rogue Wave Modes for the Coupled Nonlinear Schrodinger System with Three Components: A Computational Study." Appl. Sci.-Basel **7**(6).
63. Chan, H. N. and K. W. Chow (2018). "Numerical Investigation of the Dynamics of 'Hot Spots' as Models of Dissipative Rogue Waves." Appl. Sci.-Basel **8**(8).
64. Chang, D(2020). "Flat broadband chaos generation in a discrete-mode laser subject to optical feedback." Opt. Expr.**28**(26).
65. Chang, Y. S. and F. Y. Lin (2008). Nonl. Dyn. of a vertical-cavity surface-emitting laser subject to a repetitive optical pulse injection. Proc. Semicond. Lasers and Laser Dynamics Iii. **6997**.
66. Chaparro, D. and S. Balle (2018). "Optical Addressing of Pulses in a Semiconductor-Based Figure-of-Eight Fiber Laser." Phys. Rev.Lett. **120**(6).
67. Chen, H. and W. W. Chen (2017). "RATIONAL SOLUTIONS TO A SYSTEM OF COUPLED PARTIAL DIFFERENTIAL EQUATIONS." Rom. Rep. Phys.**69**(3).
68. Chen, H. X. and G. W. Schinn (2005). "Single polarization, single transverse mode, and widely tunable narrow-linewidth laser from a multimode vertical cavity surface-emitting laser by use of a coupled cavity." Opt. Lett. **30**(9): 1006-1008.
69. Chen, J., et al. (2016). "Investigations on the polarization switching and bistability in a 1550 nm vertical-cavity surface-emitting laser under variable-polarization optical injection." Acta Phys. Sinica **65**(16).
70. Chen, J. C., et al. (2019). "High-order rogue waves of a long-wave-short-wave model of Newell type." Phys. Rev.E **100**(5).
71. Chen, J. J., et al. (2017). "Polarization Bistability in a 1550 nm Vertical-Cavity Surface-Emitting Laser Subject to Variable Polarization Optical Injection." Ieee Photonics J. **9**(2).
72. Chen, J. J., et al. (2015). "Generation of polarization-resolved wideband unpredictability-enhanced chaotic signals based on VCSELssubject to chaotic optical injection." Opt. Expr.**23**(6): 7173-7183.
73. Chen, J. J., et al. (2014). Nonl. Dyn. of polarization switching of a 1550 nm vertical-cavity surface-emitting laser under orthogonal optical injection. Semiconductor Lasers and Applications Vi. **9267**.
74. Chen, J. J., et al. (2015). "Power-induced polarization switching and bistability characteristics in 1550-nm VCSELs subjected to orthogonal optical injection." Chinese Physics B **24**(2).
75. Chen, S. H., et al. (2017). "Versatile rogue waves in scalar, vector, and multidimensional nonlinear systems." J. Phys. A **50**.
76. Chen, S. H., et al. (2017). "Optical Peregrine rogue waves of self-induced transparency in a resonant erbium-doped fiber." Opt. Expr.**25**(24): 29687-29698.
77. Chen, W., et al. (2012). "Physical mechanism underlying temperature effects on phase retardation." Appl. Opt. **51: 4569.**
78. Chen, W. X., et al. (2012). "Phase retardation measurement by analyzing flipping points of polarization states in laser with an anisotropy feedback cavity." Opt. Laser Techn. **44**(8): 2427-2431.
79. Chen, W. X., et al. (2012). "Locking phenomenon of polarization flipping in He-Ne laser with a phase anisotropy feedback cavity." Appl. Opt. **51**(7): 888-893.
80. Chen, W. X., et al. (2012). "Polarization modulation in single-frequency He-Ne laser with an anisotropy feedback cavity." Chinese Opt. Lett. **10**(5).
81. Chen, W. X., et al. (2012). "Semi-classical theory and experimental research for polarization flipping in a single frequency laser with feedback effect." Chinese Physics B **21**(9).
82. Chen, W. X., et al. (2013). "Polarization flipping and hysteresis phenomenon in laser with optical feedback." Opt. Expr.**21**(1): 1240-1246.
83. Cheng, D. L., et al. (2007). "Polarization mode-hopping suppression and performance enhancement by optical feedback in a current-driven polarization switching VCSEL." Phot. Techn. Lett. **19**(21-24): 1961-1963.
84. Chizhevsky, V. N. (2012). "Enhancement of response of a bistable VCSEL to modulated orthogonal optical feedback by vibrational resonance." Opt. Lett. **37**(21): 4386-4388.
85. Chizhevsky, V. N. and S. A. Kovalenko (2019). "Suppression of Multistability in a Multimode VCSEL by Isotropic Optical Feedback." Ieee J. Quant. Electr.**55**(5).
86. Cisternas, J., et al. (2020). "Gapped vegetation patterns: Crown/root allometry and snaking bifurcation." Chaos Solitons & Fractals **133**.
87. Clerc, M. G., et al. (2020). "Nonlocal Raman response in Kerr resonators: Moving temporal localized structures and bifurcation structure." Chaos **30**(8).
88. Clerc, M. G., et al. (2020). "Time-delayed nonlocal response inducing traveling temporal localized structures." Phys. Rev.Research **2**(1).
89. Clerc, M. G., et al. (2020). "Introduction to Focus Issue: Instabilities N.onequilibrium structures." Chaos **30**(11).
90. Clerc, M. G., et al. (2016). "Optical textures: characterizing spatiotemporal chaos." Opt. Expr.**24**(14): 15478-15485.
91. Clerc, M. G., et al. (2016). Experimental Spatiotemporal Chaotic Textures in a Liquid Crystal Light Valve with Optical Feedback. Nonl. Dyn.: **173:** 113-124.
92. Colet, M. and A. Aragoneses (2018). "Forecasting Events in the Complex Dynamics of a Semiconductor Laser with Optical Feedback." Sci. Rep. **8**.

93. Copie, F., et al. (2017). "Instabilities in passive dispersion oscillating fiber ring cavities." Eur. Phys. J. D **71**(5).
94. Copie, F., et al. (2016). "Competing Turing and Faraday Instabilities in Longitudinally Modulated Passive Resonators." Phys. Rev.Lett. **116**(14).
95. Copie, F., et al. (2016). Observation of Turing and Faraday instabilities in a bistable passive resonator. 2016 Conference on Lasers and Electro-Optics.
96. Corron, N. et al. (2016). "Entropy rates of low-significance bits sampled from chaotic physical systems." Physica D **332**: 34.
97. Crabb, M. N.. Akhmediev (2020). "ROGUE WAVE MULTIPLETS IN THE COMPLEX KORTEWEG-DE VRIES EQUATION." Rom. Rep. Phys.**72**(4).
98. Cuevas-Maraver, J., et al. (2018). "Stabilization of the Peregrine soliton and Kuznetsov-Ma breathers by means of nonlinearity and dispersion management." Physics Lett. A **382**(14): 968-972.
99. Dai, L. L., et al. (2021). "Carbon nanotube mode-locked fiber lasers: recent progress and perspectives." Nanophotonics **10**(2): 749-775.
100. Damodarakurup, S., et al. (2019). "Long-time dynamics of a vertical-cavity surface-emitting laser under optical feedback." Pramana-J. of Physics **92**(4).
101. Das, C., et al. (2021). "Nonlinear interaction of intense laser beam with dense plasma." Plas. Phys. Contr. Fusion **63**(1).
102. De, S., et al. (2014). "Influence of spin-dependent carrier dynamics on the properties of a dual-frequency vertical-external-cavity surface-emitting laser." Phys. Rev.A **90**(1).
103. Debemardi, P., et al. (2007). "Theoretical-experimental study of the vectorial modal properties of polarization-stable multimode grating VCSELs." Ieee J. Sel. Top. Quant. Electr. **13**(5): 1340-1348.
104. Debernardi, P. and G. P. Bava (2001). "Effects of anisotropies on vectorial modes of vertical-cavity surface-emitting lasers." Phys. Stat. Sol. A **188**(3): 967-977.
105. Debernardi, P., et al. (2002). "Influence of anisotropies on transverse modes in oxide-confined VCSELs." Ieee J. Quant. Electr.**38**(1): 73-84.
106. Debernardi, P., et al. (2005). "Reliable polarization control of VCSELs through monolithically integrated surface gratings: A comparative theoretical and experimental study." Ieee J. Sel. Top. Quant. Electr. **11**(1): 107-116.
107. Debernardi, P., et al. (2019). "Probing Thermal Effects in VCSELs by Experiment-Driven Multiphysics Modeling." Ieee J. Sel. Top. Quant. Electr. **25**(6).
108. Deshmukh, V. M., et al. (2011). "Experimental N.umerical analysis on temporal dynamics of polarization switching in an injection-locked 1.55 wavelength VCSEL." Opt. Expr.**19**(18): 16934.
109. Devolder, T., et al. (2019). "Chaos in Magnetic Nanocontact Vortex Oscillators." Phys. Rev.Lett. **123**(14).
110. Ding, Y., et al. (2010). "Microphotoluminescence investigation of InAs quantum dot active region in 1.3 mu m vertical cavity surface emitting laser structure." J. Appl. Phys. **108**(7).
111. Doedel, E. J., C. L. Pando (2019). "Rare events in mixed-mode oscillations from weakly coupled lasers." Phys. Rev.E 100.
112. Du, Z., et al. (2020). "Characteristics of higher-order vector rogue waves to a coupled fourth-order nonlinear Schrodinger system in a two-mode optical fiber." Eur. Phys. J. Plus **135**(2).
113. Dudley, J. M., et al. (2019). "Rogue waves and analogies in optics and oceanography." Nature Rev. Phys. **1**(11): 675-689.
114. Eberhard, M., et al. (2017). "Rogue wave generation by inelastic quasi-soliton collisions in optical fibres." Opt. Expr.**25**(23): 28086-28099.
115. Ebisawa, S. and S. Komatsu (2020). "Orbital Instability of Chaotic Laser Diode with Optical Injection and Electronically Applied Chaotic Signal." Photonics **7**(2).
116. Ebisawa, S., et al. (2018). "Quantification of orbital instability of chaotic laser diode." Optik **172**: 908-916.
117. Ebisawa, S., et al. (2019). "Chaotic oscillation of laser diode with pseudorandom signal." Optik **188**: 233-243.
118. El Koussaifi, R., (2018). "Spontaneous emergence of rogue waves in partially coherent waves: A quantitative experimental comparison between hydrodynamics and optics." Phys. Rev.E **97**(1).
119. Elsonbaty, A., et al. (2018). "Simultaneous concealment of time delay signature in chaotic nanolaser with hybrid feedback." Optics and Lasers in Engineering **107**: 342-351.
120. Elsonbaty, A., et al. (2018). Suppressed Time Delay Signature in Chaotic Nanolasers with hybrid feedback. Proc. Semiconduc. Lasers and Laser Dynamics Viii. **10682**.
121. Erkintalo, M. (2015). "Predicting the unpredictable?" Nature Photonics **9**(9): 560-562.
122. Escaff, D., (2015). "Localized vegetation patterns, fairy circles, and localized patches in arid landscapes." Phys. Rev.E **91**.
123. Essama, B. G. O., et al. (2021). "Dynamical Evolution of Sasa-Satsuma Rogue Waves, Breather Solutions, N.ew Special Wave Phenomena in a Nonlinear Metamaterial." Phys. Stat. Sol. B **258**(2).
124. Essama, B. G. O., et al. (2021). "Multi-wave trains and Sasa-Satsuma freak events generation in an optical metamaterial." Chinese J. of Physics **69**: 50-69.
125. Faria, P. E., et al. (2015). "Toward high-frequency operation of spin lasers." Phys. Rev.B **92**(7).
126. Fei, L. G. and S. L. Zhang (2004). "Self-mixing interference effects of orthogonally polarized dual frequency laser." Opt. Expr.**12**(25): 6100-6105.
127. Fei, L. G. and S. L. Zhang (2007). "The discovery of nanometer fringes in laser self-mixing interference." Opt.

Commun.**273**(1): 226-230.
128. Fei, L. G., et al. (2005). "Polarization control in a He-Ne laser using birefringence feedback." Opt. Expr.**13**(8): 3117-3122.
129. Fei, L. G., et al. (2005). "Polarization flipping and intensity transfer in laser with optical feedback from an external birefringence cavity." Opt. Commun.**246**(4-6): 505-510.
130. Ferre, M. A., et al. (2017). "Localized structures and spatiotemporal chaos: comparison between the driven damped sine-Gordon and the Lugiato-Lefever model." Eur. Phys. J. D **71**(6).
131. Fratta, L., et al. (2001). "Spatially inhomogeneously polarized transverse modes in vertical-cavity surface-emitting lasers." Phys. Rev.A **64**(3).
132. Frostig, H., et al. (2020). "Observation of rogue events in non-Markovian light." Optica **7**(8): 864.
133. Fusaro, A., et al. (2016). "Decoupled polarization dynamics of incoherent waves and bimodal spectral incoherent solitons." Opt. Lett. **41**(17): 3992-3995.
134. Gahl, A., et al. (1999). "Polarization dynamics of optically pumped VCSEL's." Ieee J. Quant. Electr.**35**(3): 342-351.
135. Gaiffe, O., et al. (2009). "Generation of local magnetic field; application to VCSEL." Eur. Phys. J.-Applied Physics **47**(1).
136. Gao, P., et al. (2020). "High-order rogue waves excited from multi-Gaussian perturbations on a continuous wave." Opt. Lett. **45**(8): 2399-2402.
137. Garrison, T. W. S., et al. (1999). "Noise behavior of pulsed vertical-cavity surface-emitting lasers." J. Opt. Soc. Am. B **16**(11): 2124-2130.
138. Gavrilov, S. S. (2016). "Towards spin turbulence of light: Spontaneous disorder and chaos in cavity-polariton systems." Phys. Rev.B **94**(19).
139. Gavrilov, S. S. (2020). "Nonequilibrium transitions, chaos, and chimera states in exciton-polariton systems." Physics-Uspekhi **63**(2): 123-144.
140. Gebski, M., et al. (2014). GaAs/AlOx high contrast gratings for 980 nm VCSELs. High Contrast Metastructures Iii. **8995**.
141. Gebski, M., et al. (2014). Photonic heterostructure High Contrast Grating as a novel control and light confinement system in HCG VCSEL. Proc. Semicond. Lasers and Laser Dynamics Vi. **9134**.
142. Gebski, M., et al. (2016). Monolithic Subwavelength High Refractive-Index-Contrast Grating VCSELs. VCSELsXx. **9766**.
143. Gebski, M., et al. (2015). "Monolithic Subwavelength High-Index-Contrast Grating VCSEL." Phot. Techn. Lett. **27**(18): 1953-1956.
144. Gebski, M., et al. (2015). Double High Refractive-Index Contrast Grating VCSEL. VCSELs Xix, 9381.
145. Gebski, M., et al. (2014). "Transverse mode control in high-contrast grating VCSELs." Opt. Expr.**22**(17): 20954-20963.
146. Gebski, M., et al. (2015). High-Contrast Grating reflectors for 980 nm Vertical-Cavity Surface-Emitting Lasers. High Contrast Metastructures IV. **9372**.
147. Gebski, M., et al. (2017). Optimization of VCSELs incorporating monolithic subwavelength high-refractive-index contrast surface grating mirrors. High Contrast Metastructures Vi. **10113**.
148. Gehlhaar, R., (2007). "Dual-wavelength laser emission from an organic microcavity with terahertz beating." Appl. Phys. B **86**(3): 413-417.
149. Gerhardt, N. (2014). Polarization dynamics in spin-polarized vertical-cavity surface-emitting lasers. Spintronics Vii. **9167**.
150. Gerhardt, N. C., et al. (2013). Ultrafast spin-polarized vertical-cavity surface-emitting lasers. Spintronics Vi. **8813**.
151. Gerhardt, N. C., et al. (2011). "Ultrafast spin-induced polarization oscillations with tunable lifetime in vertical-cavity surface-emitting lasers." Appl. Phys. Lett.**99**(15).
152. Gerhardt, N. C., et al. (2016). Birefringent vertical-cavity surface-emitting lasers: Toward high-speed spin-lasers. Semiconduc. Lasers and Laser Dynamics Vii. **9892**.
153. Gerhardt, N. C., et al. (2017). High-frequency polarization dynamics in spin-lasers: pushing the limits. Spintronics X. H. J. Drouhin, J. E. Wegrowe, M. Razeghi and H. Jaffres. **10357**.
154. Gippius, N. A., et al. (2007). "Polarization multistability cavity polaritons." Phys. Rev.Lett. **98**(23).
155. Gomel, A., et al. (2019). "Extreme Events in Lasers with Modulation of the Field Polarization." Advances in Condensed Matter Physics **2019**.
156. Gosset, C., et al. (2014). "Self-referenced technique for monitoring and analysing the non-linear dynamics of semiconductor lasers." Opt. Expr.**22**(13): 16528-16537.
157. Grasso, D. M. and K. D. Choquette (2003). "Polarization switching in composite-resonator vertical-cavity lasers." Appl. Phys. Lett.**83**(25): 5148-5150.
158. Grasso, D. M. and K. D. Choquette (2005). "Temperature-dependent polarization characteristics of composite-resonator vertical-cavity lasers." Ieee J. Quant. Electr.**41**(2): 127-131.
159. Green, K., et al. (2007). "External cavity mode structure of a two-mode VCSEL subject to optical feedback." Opt. Commun.**277**(2): 359-371.
160. Green, K., et al. (2009). "Bifurcation Analysis of a Spatially Extended Laser with Optical Feedback." Siam J. on Applied Dynamical Systems **8**(1): 222-252.
161. Griffin, B. G., et al. (2012). Mode suppression in metal filled photonic crystal vertical cavity lasers. VCSELsXvi**8276**.
162. Griffin, B. G., et al. (2013). "Demonstration of enhanced side-mode suppression in metal-filled photonic crystal vertical

cavity lasers." Opt. Lett. **38**(11): 1936-1938.
163. Guan, J., et al. (2020). "Generation and propagation of hyperbolic secant solitons, Peregrine solitons, and breathers in a coherently prepared atomic system." Opt. Expr.**28**(21): 31287-31296.
164. Guan, W. Y. (2020). "Optical rogue waves for a three-component coupled transient stimulated Raman scattering system." Optik **207**.
165. Guasoni, M., et al. (2017). Fermi-Pasta-Ulam recurrences of incoherent waves.
166. Guo, L., et al. (2018). "Influence of filter shape and bandwidth on noise-like pulse generation in all-normal-dispersion fiber lasers." Optik **172**: 531-539.
167. Guo, X. M., et al. (2020). "Evaluating entropy rate laser chaos and shot noise." Opt. Expr.**28**: 1238
168. Guo, Y. Q., et al. (2021). "Chaotic Time-Delay Signature Suppression and Entropy Growth Enhancement Using Frequency-Band Extractor." Entropy **23**(5).
169. Gustave, F., et al. (2015). "Dissipative Phase Solitons in Semiconductor Lasers." Phys. Rev.Lett. **115**(4).
170. Hagerstrom, A. M., et al. (2015). "Harvesting entropy and quantifying the transition from noise to chaos in a photon-counting feedback loop." Proceedings of the National Academy of Sciences of the United States of America **112**(30): 9258-9263.
171. Hanzard, P. H., et al. (2017). "Brillouin scattering-induced rogue waves in self-pulsing fiber lasers." Sci. Rep. **7**.
172. Hao, Y. Z., et al. (2021). "Comparison of single- and dual-mode lasing states of a hybrid-cavity laser under optical feedback." Opt. Lett. **46**(9): 2115-2118.
173. Hart, J. D., et al. (2017). "Recommendations and illustrations for the evaluation of photonic random number generators." Apl Photonics **2**(9).
174. Haylock, B., et al. (2019). "Multiplexed Quantum Random Number Generation." Quantum **3**.
175. He, C. A., et al. (2019). "Frequency-induced polarization switching and bistability in a 1550nm VCSEL subject to parallel optical injection." Optical Review **26**(1): 95-102.
176. He, Y. J., et al. (2016). "DYNAMICS OF SPATIAL SOLITONS IN PARITY-TIME-SYMMETRIC OPTICAL LATTICES: A SELECTION OF RECENT THEORETICAL RESULTS." Romanian J. of Physics **61**(3-4): 595-613.
177. Heinis, D., et al. (2005). "A new concept of an integrated SNOM microscope using optical feedback within vertical cavity surface emitting lasers." J. of the Korean Physical Society **47**: S182-S185.
178. Helmy, A. S., et al. (2011). "Recent advances in phase matching of second-order nonlinearities in monolithic semiconductor waveguides." Laser & Photonics Reviews **5**(2): 272-286.
179. Holub, M., et al. (2006). "Spin-polarized vertical-cavity surface-emitting laser: Epitaxial growth issues and device properties." J. of Vacuum Science & Technology B **24**(3): 1510-1513.
180. Homayounfar, A. M. J. Adams (2007). "Analysis of SFM dynamics in solitary and optically-injected VCSELs." Opt. Expr.15: 10504.
181. Homayounfar, A. and M. J. Adams (2008). Analysis of Nonl. Dyn. and spin-flip parameters on elliptically polarized injection-locked VCSELs - art. no. 70361E. Spintronics. **7036:** E361-E361.
182. Hong, Y., et al. (2001). "Polarisation switching in a vertical cavity surface emitting semiconductor laser by frequency detuning." Iee Proc. Optoelectr. **148**(1): 31-34.
183. Hong, Y. H. (2015). "Flat Broadband Chaos in Mutually Coupled Vertical-Cavity Surface-Emitting Lasers." Ieee J. Sel. Top. Quant. Electr. **21**(6).
184. Hong, Y. H., et al. (2005). "Spectral signatures of the dynamics of current-modulated VCSELssubject to optical feedback." J. Opt. Soc. Am. B **22**(11): 2350-2356.
185. Hong, Y. H., et al. (2005). "Investigation of polarization bistability in VCSELssubjected to optical feedback." Ieee J. Quant. Electr.**41**(5): 619-624.
186. Hong, Y. H., et al. (2006). Anticorrelation polarization dynamics in VCSELs. Adv. Free-Space Opt. Techn. Ii. **6399**.
187. Hong, Y. H., et al. (2006). "Bias-current dependence of anticorrelation polarization dynamics in VCSELswith long external cavity." Appl. Phys. Lett.**89**(8).
188. Hong, Y. H., et al. (2006). "Optical feedback dependence of anticorrelation polarization dynamics in vertical-cavity surface-emitting lasers." J. Opt. Soc. Am. B **23**(11): 2285-2290.
189. Hong, Y. H., et al. (2006). Optical feedback dependence of anticorrelation polarization dynamics in vertical-cavity surface-emitting lasers. Opt. Transm. Sys. and Equip. for Networking V**6388**.
190. Hong, Y. H., et al. (2008). "Influence of low-frequency modulation on polarization switching of VCSELs subject to optical feedback." Ieee J. Quant. Electr.**44**(1-2): 30-35.
191. Hong, Y. H., (2004). "Suppression of polarization switching in VCSELsby use of optical feedback." Opt. Lett. 29: 2151.
192. Horikis, T. P. and M. J. Ablowitz (2017). "Rogue waves in nonlocal media." Phys. Rev.E **95**(4).
193. Hou, C., et al. (2020). "SINE-GORDON BREATHERS AND FORMATION OF EXTREME WAVES IN SELF-INDUCED TRANSPARENCY MEDIA." Rom. Rep. Phys.**72**(1).
194. Houlihan, J., et al. (2004). "Feedback induced polarisation switching in vertical cavity surface emitting lasers." Opt. Commun.**232**(1-6): 391-397.
195. Hu, J. J., et al. (2011). "Chaos synchronization and communication of the polarization modes for two unidirectionally

coupled vertical-cavity surface-emitting lasers." Optik **122**(21): 1910-1913.
196. Hu, J. J. and J. S. Ma (2011). "Synchronization of polarization mode of two unidirectionally coupled vertical-cavity surface-emitting laser and its application in communication." Optik **122**(16): 1458-1461.
197. Huang, M., et al. (2010). "CPT transients induced by rapid changes in laser polarization: validation of a semi-empirical model." J. Phys. B **43**(13).
198. Huang, X. B., et al. (2010). "Polarization bistability characteristics of vertical-cavity surface-emiffing lasers with negative optoelectronic feedback subject to time-varying current." Acta Phys. Sinica **59**(5): 3066-3069.
199. Hurtado, A., et al. (2007). "Effects of parallel and orthogonal polarization on nonlinear optical characteristics of a 1550 nm VCSOA." Opt. Expr.**15**(14): 9084-9089.
200. Hurtado, A., et al. (2007). "Polarisation effects on the nonlinear optical characteristics of a 1.55 mu m vertical-cavity semiconductor optical amplifier." Iet Optoelectronics **1**(6): 272-276.
201. Hurtado, A., et al. (2008). "Two-wavelength switching with a 1550 nm VCSEL under single orthogonal optical injection." Ieee J. Sel. Top. Quant. Electr. **14**(3): 911-917.
202. Hurtado, A., et al. (2009). "Different forms of wavelength polarization switching and bistability in a 1.55 mu m vertical-cavity surface-emitting laser under orthogonally polarized optical injection." Opt. Lett. **34**(3): 365-367.
203. Hurtado, A., et al. (2009). "Injection Locking Bandwidth in 1550-nm VCSELs Subject to Parallel and Orthogonal Optical Injection." Ieee J. Sel. Top. Quant. Electr. **15**(3): 585-593.
204. Hurtado, A., et al. (2010). "Nonl. Dyn. induced by parallel and orthogonal optical injection in 1550 nm VCSELs(VCSELs)." Opt. Expr.**18**(9): 9423-9428.
205. Hurtado, A., et al. (2010). Experimental stability maps of a 1550nm-VCSEL subject to polarized optical injection. Phys. Sim. Optoelectr. Dev. Xviii. **7597**.
206. Iakovlev, V., et al. (2014). "Double-diamond high-contrast-gratings vertical external cavity surface emitting laser." J. Phys. D **47**(6).
207. Ieee (2014). Stokes parameters and hybridization of optical modes in long-wavelength VCSELs(VCSELs). 2014 Ieee Photonics Conference**:** 100-101.
208. Isoe, G. M., et al. (2017). "Capacity upgrade in short-reach optical fibre networks: simultaneous 4-PAM 20 Gbps data and polarization-modulated PPS clock signal using a single VCSEL carrier." J. Mod. Opt. **64**(20): 2245-2254.
209. Isoe, G. M., et al. (2017). Simultaneous 10 Gbps Data and Polarization-based Pulse-Per-Second Clock Transmission using a Single VCSEL for High Speed Optical Fibre Access Networks. Optical Metro Networks and Short-Haul Systems Ix. **10129**.
210. Ivanov, P. and J. Rorison (2009). "Theoretical optimization of transverse waveguiding in oxide-confined VCSELs with internal photonic crystals." J. Opt. Soc. Am. B **26**(12): 2461-2468.
211. Ivanovic, M., et al. (2020). "Deep learning-based classification of high intensity light patterns in photorefractive crystals." J. Opt. **22**(3).
212. Jadan, M., et al. (2018). "Polarization switching mechanism in surface-emitting semiconductor lasers." Optik **158**: 118.
213. Jadan, M., et al. (2009). "Polarization switching in single-mode injection semiconductor laser." J. Appl. Spectr. **76: 678.**
214. Janassek, P., et al. (2016). "Investigations of the polarization behavior of quantum cascade lasers by Stokes parameters." Opt. Lett. **41**(2): 305-308.
215. Jandura, D., et al. (2020). "Polymer-based MHCG as selective mirror." Applied Surface Science **527**.
216. Jayaprasath, E., et al. (2018). "Anticipation in the Polarization Chaos Synchronization of Uni-Directionally Coupled VCSELsWith Polarization-Preserved Optical Injection." Ieee Access **6**: 58482-58490.
217. Jayaprasath, E., et al. (2018). "Observation of additional delayed-time in chaos synchronization of uni-directionally coupled VCSELs." Chaos **28**(12).
218. Jentsch, K. F., et al. (2008). "Analysis and optimization of coupling to external cavities in feedback experiments with vertical-cavity surface-emitting lasers." Opt. Commun.**281**(6): 1396-1400.
219. Jeong, K. H., et al. (2008). "Optical injection-induced polarization switching dynamics in 1.5 mu m wavelength single-mode vertical-cavity surface-emitting lasers." Phot. Techn. Lett. **20**(9-12): 779-781.
220. Jiang, B., et al. (2016). "Polarization Switching Characteristics of 1550-nm VCSELsSubject to Double Polarization Pulsed Injection." Ieee J. Quant. Electr.**52**(11).
221. Jiang, G. Y. and Y. W. Liu (2015). "Continuous generation of dissipative spatial solitons in two-dimensional Ginzburg-Landau models with elliptical shaped potentials." Chinese Opt. Lett. **13**(4).
222. Jimenez-Garcia, J., et al. (2017). "Spontaneous Formation of Vector Vortex Beams in VCSELswith Feedback." Phys. Rev.Lett. **119**(11).
223. Kaiser, J., et al. (2002). "Polarization-switching influence on the intensity noise of vertical-cavity surface-emitting lasers." J. Opt. Soc. Am. B **19**(4): 672-677.
224. Katayama, T., et al. (2009). "Experimental Demonstration of Multi-Bit Optical Buffer Memory Using 1.55-mu m Polarization Bistable Vertical-Cavity Surface-Emitting Lasers." Ieee J. Quant. Electr.**45**(11): 1495-1504.
225. Kawaguchi, Y., et al. (2021). "Entropy rate of chaos in an optically injected semiconductor laser for physical random number generation." Opt. Expr.**29**(2): 2442-2457.

226. Kbashi, H., et al. (2018). "Bright-Dark Rogue Waves." Annalen Der Physik **530**(5).
227. Khan, N., et al. (2011). "Current-dependence of polarisation switching and locking in an optically injected 1550 nm vertical-cavity surface-emitting laser." Iet Optoelectronics **5**(3): 110-113.
228. Kim, K.et al. (2021). "Massively parallel ultrafast random bit generation with a chip-scale laser." Science **371**(6532): 948.
229. Klein, A., et al. (2019). Ultrafast rogue waves in a vector field. Real-Time Measurements, Rogue Phenomena, and Single-Shot Applications Iv. D. R. Solli, G. Herink and S. Bielawski. **10903**.
230. Klein, A., et al. (2018). "Ultrafast rogue wave patterns in fiber lasers." Optica **5**(7): 774-778.
231. Klein, A., et al. (2018). The picosecond structure of ultra-fast rogue waves. Real-Time Measurements, Rogue Phenomena, and Single-Shot Applications Iii. **10517**.
232. Klein, A., et al. (2019). "Ultrafast twin-peak rogue waves in a vector field." Osa Continuum **2**(11): 3102-3106.
233. Klein, A., et al. (2019). "Overlapping Time-Lens Array." Ieee Photonics J. **11**(3).
234. Klein, A., et al. (2017). "Temporal depth imaging." Optica **4**(5): 502-506.
235. Ko, J. Y., et al. (2007). "Experimental observations of dual-polarization oscillations in laser-diode-pumped wide-aperture thin-slice Nd : GdVO4 lasers." Opt. Expr.**15**(3): 945-954.
236. Kolpakov, S., et al. (2020). "Optical rogue waves in coupled fiber Raman lasers." Opt. Lett. **45**(17): 4726-4729.
237. Kolpakov, S., et al. (2020). Polarization Dynamics of Coupled Raman Lasers. 2020 22nd ICTON.
238. Kreinberg, S., et al. (2019). "Mutual coupling and synchronization of optically coupled quantum-dot micropillar lasers at ultra-low light levels." Nature Commun. **10**.
239. Krents, A. A., et al. (2017). "Resonant excitation of transverse patterns in broad-area lasers by periodic temporal pump modulation." J. Opt. Soc. Am. B **34**(8): 1733-1739.
240. Krents, A. A., et al. (2018). Stabilization of broad-area class-B lasers by temporal pump modulation.
241. Krishnamurthy, V. and B. Klein (2009). "Comprehensive theory of plane-wave expansion based eigenmode method for scattering-matrix analysis of photonic structures." J. Opt. Soc. Am. B **26**(7): 1341-1350.
242. Krupa, K., et al. (2017). "Vector dynamics of incoherent dissipative optical solitons." Optica **4**(10): 1239-1244.
243. Krupa, K., et al. (2019). "Multimode nonlinear fiber optics, a spatiotemporal avenue." Apl Photonics **4**(11).
244. Kruszka, R., (2011). "GaAs/AlGaAs photonic crystals for VCSEL-type semiconductor lasers." Opto-Electr. Rev. **19: 51.**
245. Kumar, S., et al. (2015). "Taming of Modulation Instability by Spatio-Temporal Modulation of the Potential." Sci. Rep. **5**.
246. Kumar, S., et al. (2016). "Suppression of pattern-forming instabilities by genetic optimization." Phys. Rev.E **94**(1).
247. Kuo, W. C., et al. (2012). "Criticalities and Phase Transitions in the Polarization Switching of Vertical-Cavity Surface-Emitting Lasers." Phot. Techn. Lett. **24**(24): 2262-2264.
248. Lai, S. Q., et al. (2018). "Generation of ring-shaped optical vortices in dissipative media by inhomogeneous effective diffusion." Nonl. Dyn. **93**(4): 2159-2168.
249. Lee, M. W., et al. (2016). "Demonstration of optical rogue waves using a laser diode emitting at 980 nm and a fiber Bragg grating." Opt. Lett. **41**(19): 4476-4479.
250. Lee, M. W., et al. (2004). "Experimental demonstration of VCSEL-based chaotic optical communications." Phot. Techn. Lett. **16**(10): 2392-2394.
251. Lee, S., et al. (2018). "Intermittent burst of a super rogue wave in the breathing multi-soliton regime of an anomalous fiber ring cavity." Opt. Expr.**26**(9): 11447-11457.
252. Lefever, R. (2018). "The rehabilitation of irreversible processes and dissipative structures' 50th anniversary." Phil. Tran. Royal Soc. A **376**(2124).
253. Leonel, E. D. (2016). "Defining universality classes for three different local bifurcations." Comm. Nonlinear Sci. N.um. Sim. **39**: 520-528.
254. Lepetit, T. and B. Kante (2015). "Simultaneous Stokes parameters." Nature Photonics **9**(11): 709.
255. Leymann, H. A. M., et al. (2013). "Intensity fluctuations in bimodal micropillar lasers enhanced by quantum-dot gain competition." Phys. Rev.A **87**(5).
256. Li, H., et al. (2020). "Breather-induced quantised superfluid vortex filaments and their characterisation." Communications in Theoretical Physics **72**(7).
257. Li, H., et. (2017). "Stable dissipative optical vortex clusters by inhomogeneous effective diffusion." Opt. Expr.**25**: 27948.
258. Li, L. and H. Y. Wang (2015). Hydrogen Fluoride chemical laser cascade dynamics under cavity loss modulation. Xx Int. Symp. High-Power Laser Sys. and Appl. 2014.**9255**.
259. Li, N. Q., et al. (2018). "Enhancing optical-feedback-induced chaotic dynamics in semiconductor ring lasers via optical injection." Nonl. Dyn. **92**(2): 315-324.
260. Li, N. Q., et al. (2017). "Secure communication systems based on chaos in optically pumped spin-VCSELs." Opt. Lett. **42**(17): 3494-3497.
261. Li, N. Q., et al. (2017). "Stability and bifurcation analysis of spin-polarized vertical-cavity surface-emitting lasers." Phys. Rev.A **96**(1).
262. Li, N. Q., et al. (2018). "Mapping bifurcation structure and parameter dependence in quantum dot spin-VCSELs." Opt. Expr.**26**(11): 14636-14649.

263. Li, P., et al. (2019). "Observation of flat chaos generation using an optical feedback multi-mode laser with a band-pass filter." Opt. Expr.**27**(13): 17859-17867.
264. Li, P., et al. (2018). "Ultrafast Fully Photonic Random Bit Generator." J. Lightwave Techn.**36**(12): 2531-2540.
265. Li, P., et al. (2018). "Self-balanced real-time photonic scheme for ultrafast random number generation." Apl Photonics **3.**
266. Li, P., et al. (2019). "Parallel optical random bit generator." Opt. Lett. **44**(10): 2446-2449.
267. Li, P., et al. (2016). "Brownian motion properties of optoelectronic random bit generators based on laser chaos." Opt. Expr.**24**(14): 15822-15833.
268. Li, P., et al. (2017). "Real-time online photonic random number generation." Opt. Lett. **42**(14): 2699-2702.
269. Li, S. S., et al. (2018). "Chaotic time-delay signature suppression with bandwidth broadening by fiber propagation." Opt. Lett. **43**(19): 4751-4754.
270. Li, X. F., et al. (2006). "Static and dynamic characteristics of VCSELs with polarisation-selective optical feedback." Iee Proc. Optoelectr. **153**(2): 67-74.
271. Li, X. Z. and S. C. Chan (2013). "Heterodyne Random Bit Generation Using an Optically Injected Semiconductor Laser in Chaos." Ieee J. Quant. Electr.**49**(10): 829-838.
272. Li, X. Z., et al. (2017). "Correlated Random Bit Generation Using Chaotic Semiconductor Lasers Under Unidirectional Optical Injection." Ieee Photonics J. **9**(5).
273. Li, X. Z., et al. (2015). "Random bit generation at tunable rates using a chaotic semiconductor laser under distributed feedback." Opt. Lett. **40**(17): 3970-3973.
274. Li, X. Z., et al. (2016). "Randomness evaluation for an optically injected chaotic semiconductor laser by attractor reconstruction." Phys. Rev.E **94**(4).
275. Liao, J. F. and J. Q. Sun (2013). "Polarization dynamics and chaotic synchronization in unidirectionally coupled VCSELs subjected to optoelectronic feedback." Opt. Commun.**295**: 188-196.
276. Liew, T. C. H. and I. A. Shelykh (2009). "Polarization phenomena in resonantly pumped disordered semiconductor microcavities." Phys. Rev.B **80**(16).
277. Lin, H., et al. (2014). "Experimental Study of Time-Delay Signatures in VCSELsSubject to Double-Cavity Polarization-Rotated Optical Feedback." J. Lightwave Techn.**32**(9).
278. Lin, H., et al. (2015). "Polarization and modal dynamics of multimode VCSELssubject to optical feedback and current modulation." Opt. Commun.**350**: 178-188.
279. Lin, H., et al. (2017). "Photonic microwave generation in multimode VCSELs subject to orthogonal optical injection." J. Opt. Soc. Am. B **34**(11): 2381-2389.
280. Lin, H., et al. (2014). Experimental investigation of elliptically polarized injection-locked VCSELs. Proc. Semicond. Lasers and Laser Dynamics Vi. **9134**.
281. Lin, H., et al. (2014). "Investigation of elliptically polarized injection locked states in VCSELs subject to orthogonal optical injection." Opt. Expr.**22**(5): 4880-4885.
282. Lin, H., et al. (2012). "Polarization dynamics of a multimode vertical-cavity surface-emitting laser subject to orthogonal optical injection." J. Opt. Soc. Am. B **29**(4): 867-873.
283. Lindemann, M., et al. (2016). Frequency tuning of polarization oscillations in spin-lasers. Spintronics Ix. **9931**.
284. Lindemann, M., et al. (2016). Influence of birefringence splitting on ultrafast polarization oscillations in VCSELs. VCSELsXx. **9766**.
285. Lindemann, M., et al. (2015). Towards high frequency operation of polarization oscillations in spin vertical-cavity surface-emitting lasers. Spintronics Viii. **9551**.
286. Lindemann, M., et al. (2015). Ultrafast polarization dynamics with controlled polarization oscillations in vertical-cavity surface-emitting lasers. VCSELs Xix, 9381.
287. Lindemann, M., et al. (2020). "Bias current and temperature dependence of polarization dynamics in spin-lasers with electrically tunable birefringence." Aip Advances **10**(3).
288. Lindemann, M., et al. (2016). Frequency tuning of polarization oscillations in spin-polarized vertical-cavity surface-emitting lasers. Semiconduc. Lasers and Laser Dynamics Vii. **9892**.
289. Lindemann, M., et al. (2016). "Frequency tuning of polarization oscillations: Toward high-speed spin-lasers." Appl. Phys. Lett.**108.**
290. Lindemann, M., et al. (2019). "Ultrafast spin-lasers." Nature **568**(7751): 212-+.
291. Liu, C, Akhmediev (2019). "Super-regular breathers in nonlinear systems with self-steepening effect." Phys. Rev.E **100.**
292. Liu, C., et al. (2019). "Chessboard-like spatio-temporal interference patterns and their excitation." J. Opt. Soc. Am. B **36**(5): 1294-1299.
293. Liu, W. (2017). "PARALLEL LINE ROGUE WAVES OF A (2+1)-DIMENSIONAL NONLINEAR SCHRODINGER EQUATION DESCRIBING THE HEISENBERG FERROMAGNETIC SPIN CHAIN." Romanian J. of Physics **62**(7-8).
294. Liu, W. (2017). "ROGUE WAVES OF THE (3+1)-DIMENSIONAL POTENTIAL YU-TODA-SASA-FUKUYAMA EQUATION." Rom. Rep. Phys.**69**(3).
295. Liu, W., et al. (2018). "ROGUE WAVE ON A PERIODIC BACKGROUND FOR KAUP-NEWELL EQUATION." Rom. Rep. Phys.70.

296. Liu, Y. B., et (2017). "Families of rational solutions of the y-nonlocal Davey-Stewartson II equation." Nonl. Dyn. **90: 2445.**
297. Liu, Y. B., et al. (2019). "Rogue waves and hybrid solutions of the Davey-Stewartson I equation." Nonl. Dyn. **95**(1): 839.
298. Liu, Y. F., et al. (2020). "Fast True Random Number Generator Based on Chaotic Oscillation in Self-Feedback Weakly Coupled Superlattices." Ieee Access **8**: 182693-182703.
299. Liu, Y. Y., et al. (2018). "OPSR enhancement of high-temperature operating shallow-surface grating VCSELs." Appl. Opt. **57**(16): 4486-4490.
300. Long, C. M., et al. (2015). "Optical Injection and Lasing Dynamics in Long-Wavelength VCSELs With Intracavity Patterning." Ieee J. Sel. Top. Quant. Electr. **21**(6).
301. Lott, J. A., et al. (2016). Vertical Cavity Surface Emitting Lasers with Subwavelength High Index Contrast Surface Grating Reflectors. 2016 Asia Communications and Photonics Conference.
302. Lott, J. A., et al. (2016). Energy-efficient VCSELs for integrated optoelectronic and photonic systems (Invited). 2016 Ieee 6th International Conference on Photonics.
303. Louis, H., et al. (2016). "Experimental evidence of dynamical propagation for solitary waves in ultra slow stochastic non-local Kerr medium." Opt. Expr.**24**(14): 16206-16211.
304. Lu, L., et al. (2012). "Effect of polarization properties on Doppler velocimetry with Vertical-Cavity Surface-Emitting lasers." Optik **123**(4): 329-332.
305. Mahjoubfar, A., et al. (2017). "Time stretch and its applications." Nature Photonics **11**(6): 341-351.
306. Malomed, B. A. and D. Mihalache (2019). "NONLINEAR WAVES IN OPTICAL AND MATTER-WAVE MEDIA: A TOPICAL SURVEY OF RECENT THEORETICAL AND EXPERIMENTAL RESULTS." Romanian J. of Physics **64**(5-6).
307. Manceau, M., et al. (2019). "Indefinite-Mean Pareto Photon Distribution from Amplified Quantum Noise." Phys. Rev.Lett. **123**(12).
308. Manzetti, S. (2018). "Mathematical Modeling of Rogue Waves: A Survey of Recent and Emerging Mathematical Methods and Solutions." Axioms **7**(2).
309. Marciniak, M., et al. (2020). "Tuning of reflection spectrum of a monolithic high-contrast grating by variation of its spatial dimensions." Opt. Expr.**28**(14): 20967-20977.
310. Marciniak, M., et al. (2016). Optimal parameters of Monolithic High Contrast Grating VCSELs. Semiconduc. Lasers and Laser Dynamics Vii. **9892**.
311. Marciniak, M., et al. (2016). "Optimal parameters of monolithic high-contrast grating mirrors." Opt. Lett. **41**(15): 3495.
312. Marciniak, M., et al. (2016). Multi-parameter optimization of Monolithic High-index Contrast Grating reflectors. High Contrast Metastructures V. **9757**.
313. Marciniak, M., et al. (2019). Monolithic high contrast gratings as highly reflective mirrors:optimization and fabrication. High Contrast Metastructures Viii. **10928**.
314. Marciniak, M., et al. (2018). The Vertical-Cavity Surface-Emitting Laser Incorporating a High Contrast Grating Mirror as a Sensing Device. VCSELsXxii**10552**.
315. Marconi, M., et al. (2012). "Nonvolatile polarization control of a bistable VCSEL." Opt. Expr.**20**(26): B299-B305.
316. Marconi, M., et al. (2015). "Vectorial dissipative solitons in VCSELswith delays." Nature Photonics **9**(7): 450-U451.
317. Marcucci, G., et al. (2019). "Topological control of extreme waves." Nature Commun. **10**.
318. Marino, F. and S. Balle (2004). "Experimental study of a broad area vertical-cavity semiconductor optical amplifier." Opt. Commun.**231**(1-6): 325-330.
319. Marino, F.,. (2003). "Single-mode operation and transverse-mode control in VCSELs induced by frequency-selective feedback." Phot. Techn. Lett. **15**(6): 789-791.
320. Marino, F (2017). "Splitting in the pinning-depinning transition of fronts in delayed bistable systems." Phys. Rev.E **95**.
321. Marjani, S. (2013). "Optimization of an InGaAsP Vertical-Cavity Surface-Emitting Diode Lasers for High-Power Single-Mode Operation in 1550 inn Optical-Fibre Communication Systems." Asian J. Chem. **25**(8): 4150-4152.
322. Marjani, S. (2013). "Various Elements of Heat Sources within an Optimized Photonic Crystal Vertical Cavity Surface Emitting Laser: Influence of Hole Etching Depth." Asian J. Chem. **25**(8): 4153-4156.
323. Marjani, S. and H. Marjani (2012). "Effects of Hole Etching Depth in a Long Wavelength InGaAsP Photonic Crystal Vertical Cavity Surface Emitting Laser." Asian J. Chem. **24**(7): 3194-3196.
324. Marona, L., et al. (2020). "Surface Photochemical Corrosion as a Mechanism for Fast Degradation of InGaN UV Laser Diodes." Acs Applied Materials & Interfaces **12**(46): 52089-52094.
325. Marsal, N., et al. (2017). "Bistability Controlled by Convection in a Pattern-Forming System." Phys. Rev.Lett. **118.**
326. Masoller, C. (2007). Impact of noise on current-driven polarization switching of vertical-cavity surface-emitting lasers. Noise Fluct. in Photonics, Quant. Optics, and Commun. **6603**.
327. Masoller, C., et al. (2011). "Bifurcation to square-wave switching in orthogonally delay-coupled semiconductor lasers: Theory and experiment." Phys. Rev.A **84**(2).
328. Masoller, C. and A. S. Torre (2005). "Influence of optical feedback on the polarization switching of vertical-cavity surface-emitting lasers." Ieee J. Quant. Electr.**41**(4): 483-489.
329. Masoller, C., et al. (2006). "Influence of the injection current sweep rate on the polarization switching of vertical-cavity

surface-emitting lasers." J. Appl. Phys. **99**(2).
330. Masoller, C., et al. (2007). "Polarization dynamics of current-modulated vertical-cavity surface-emitting lasers." Ieee J. Quant. Electr.**43**(11-12): 1074-1082.
331. Matsui, Y., et al. (2003). "Complete polarization mode control of long-wavelength tunable VCSELsover 65-nm tuning, up to 14-mW output power." Ieee J. Quant. Electr.**39**(9): 1037-1048.
332. Mbe, J. H. T., et al. (2010). "Chaos and pulse packages in current-modulated VCSELs." Phys. Scripta **81**(3).
333. Mbe, J. T. and P. Woafo (2009). "Electronic model for VCSELs: Switching mode, control of threshold current and saturation." Opt. Commun.**282**(22): 4390-4396.
334. Messaoudi, M., et al. (2020). "Patchy landscapes in arid environments: Nonlinear analysis of the interaction-redistribution model." Chaos **30**(9).
335. Messer, M., et al. (2009). DESIGNING EMBODIMENT DESIGN PROCESSES USING A VALUE-OF-INFORMATION-BASED APPROACH WITH APPLICATIONS FOR INTEGRATED PRODUCT AND MATERIALS DESIGN.
336. Messer, M., et al. (2010). "Model Selection Under Limited Information Using a Value-of-Information-Based Indicator." J. of Mechanical Design **132**(12).
337. Meucci, R., (2014). "Spatiotemporal polarization dynamics in a transverse multimode CO2 laser with optical feedback." Eur. Phys. J.-Special Topics **223**(8): 1729-1742.
338. Meucci, R., (2014). Polarization dynamics in a transverse multimode class B laser: role of the optical feedback. 2014 Workshop on Complexity in Engineering.
339. Mgharaz, D. and M. Brunel (2019). "Chaotic regimes and synchronization in Tm-3(+)-doped fiber laser with pump modulation." J. Opt. Soc. Am. B **36**(8): 2184-2192.
340. Miah, M. J., et al. (2013). "Fabrication and Characterization of Low-Threshold Polarization-Stable VCSELs for Cs-Based Miniaturized Atomic Clocks." Ieee J. Sel. Top. Quant. Electr. **19**(4).
341. Michalzik, R., (2004). Polarization-controlled monolithic oxide-confined VCSELs. Micro-Optics, Vcsels, Phot. Intercon.. **5453:** 182-196.
342. Midya, B. and V. V. Konotop (2017). "Waveguides with Absorbing Boundaries: Nonlinearity Controlled by an Exceptional Point and Solitons." Phys. Rev.Lett. **119**(3).
343. Mihalache, D. (2015). "LOCALIZED OPTICAL STRUCTURES: AN OVERVIEW OF RECENT THEORETICAL AND EXPERIMENTAL DEVELOPMENTS." Proc. Rom. Acad.Ser. A **16**(1): 62-69.
344. Mihalache, D. (2015). "LOCALIZED STRUCTURES IN NONLINEAR OPTICAL MEDIA: A SELECTION OF RECENT STUDIES." Rom. Rep. Phys.**67**(4): 1383-1400.
345. Mihalache, D. (2017). "MULTIDIMENSIONAL LOCALIZED STRUCTURES IN OPTICAL AND MATTER-WAVE MEDIA: A TOPICAL SURVEY OF RECENT LITERATURE." Rom. Rep. Phys.**69**(1).
346. Minguela-Gallardo, J. A., et al. (2017). "Photon statistics of actively Q-switched erbium-doped fiber laser." J. Opt. Soc. Am. B **34**(7): 1407-1414.
347. Mishra, A., et al. (2020). "Routes to extreme events in dynamical systems: Dynamical and statistical characteristics." Chaos **30**(6).
348. Mishra, A., et al. (2018). "Dragon-king-like extreme events in coupled neurons." Phys. Rev.E **97**(6).
349. Mitschke, F., et al. (2017). "Soliton Content of Fiber-Optic Light Pulses." Appl. Sci.-Basel **7**(6).
350. Moczala-Dusanowska, M., et al. (2020). "Strain-Tunable Single-Photon Source Based on a Circular Bragg Grating Cavity with Embedded Quantum Dots." Acs Photonics **7**(12): 5474-5480.
351. Molitor, A., et al. (2015). "Investigations on spatio-spectrally resolved Stokes polarization parameters of oxide-confined vertical-cavity surface-emitting lasers." Opt. Lett. **40**(13): 3121-3124.
352. Molitor, A., et al. (2016). "Investigations on Spectro-Temporally Resolved Stokes Polarization Parameters of Transverse Multi-Mode Vertical-Cavity Surface-Emitting Lasers." Ieee J. Quant. Electr.**52**(2).
353. Monfared, Y. E. and S. A. Ponomarenko (2017). "Non-Gaussian statistics of extreme events in stimulated Raman scattering: The role of coherent memory and source noise." Phys. Rev.A **96**(4).
354. Morosi, J., et al. (2018). "Polarization chaos and random bit generation in nonlinear fiber optics induced by a time-delayed counter-propagating feedback loop." Opt. Expr.**26**(2): 845-858.
355. Morosi, J., et al. (2017). Random Bit Generation through Polarization Chaos in Nonlinear Optical Fibers.
356. Mu, P. H., et al. (2019). "Numerical study of the time-delay signature in chaos optical injection system with phase-conjugate feedback." Optik **179**: 71-75.
357. Mu, P. H., et al. (2018). "Analysis and characterization of chaos generated by free-running and optically injected VCSELs." Opt. Expr.**26**(12): 15642-15655.
358. Mu, X. L., et al. (2020). Study of two-mode coexistence in 1550-nm VCSELssubject to variable polarization optical feedback. 24th Nat. Conf. Laser Techn. Optoelectronics.**11717**.
359. Mulet, J. and S. Balle (2002). "Spatio-temporal modeling of the optical properties of VCSELs in the presence of polarization effects." Ieee J. Quant. Electr.**38**(3): 291-305.
360. Mulet, J., et al. (2001). "Polarization resolved intensity noise in vertical-cavity surface-emitting lasers." Phys. Rev.A **64.**

361. Muniz-Canovas, P., et al. (2019). "ASE narrow-bN.oise pulsing in erbium-doped fiber amplifier and its effect on self-phase modulation." Opt. Expr.**27**(6): 8520-8528.
362. Muniz-Canovas, P., et al. (2019). "Ytterbium-doped fiber laser as pulsed source of narrowband amplified spontaneous emission." Sci. Rep. **9**.
363. Mussot, A., et al. (2018). "Modulation instability in oscillating fibers." Adv. Opt. Phot. **10**(1): 1-42.
364. Naeemi, M. A., et al. (2014). Time to Failure Analysis of Single Mode Long-wavelength InGaAsP Vertical-Cavity Surface-Emitting Lasers. 2014 22nd Iranian Conf. Electr. Eng.**:** 43-47.
365. Nagler, B., et al. (2003). "Stochastic resonance in VCSELsbased on a multiple time-scale analysis." Phys. Rev.E **67**(5).
366. Nakwaski, W., et al. (2018). New structure of semiconductor lasers: quantum cascade vertical-cavity surface-emitting laser (QC VCSEL). Laser Technology 2018: **10974**.
367. Naruse, M., et al. (2019). "Generative adversarial network based on chaotic time series." Sci. Rep. **9**.
368. Naumenko, A., et al. (2006). "Abrupt turn-on and hysteresis in a VCSEL with frequency-selective optical feedback." Opt. Commun.**259**(2): 823-833.
369. Naveau, C., et al. (2021). "Heterodyne Optical Time Domain Reflectometer Combined With Active Loss Compensation: A Practical Tool for Investigating Fermi Pasta Ulam Recurrence and Breathers Dynamics in Optical Fibers." Frontiers in Physics **9**.
370. Nazhan, S. and Z. Ghassemlooy (2019). "Antiphase chaotic synchronization enhancement in a vertical cavity surface emitting laser." Appl. Opt. **58**(35): 9491-9497.
371. Nazhan, S., et al. (2016). "Chaos synchronization in vertical-cavity surface-emitting laser based on rotated polarization-preserved optical feedback." Chaos **26**(1).
372. Nazhan, S., et al. (2015). "Investigation of polarization switching of VCSEL subject to intensity modulated and optical feedback." Opt. Laser Techn. **75**: 240-245.
373. Nazhan, S., et al. (2016). Chaotic Signal Dynamics of VCSEL for Secure Optical Communication.
374. Nielsen, A. U., et al. (2019). "Coexistence and Interactions between Nonlinear States with Different Polarizations in a Monochromatically Driven Passive Kerr Resonator." Phys. Rev.Lett. **123**(1).
375. Nikolic, M., et. (2013). "Self-mixing laser Doppler flow sensor: an optofluidic implementation." Appl. Opt. **52**(33): 8128.
376. Nikolic, S. et (2019). "Breathers, solitons and rogue waves of the quintic nonlinear Schrodinger equation on various backgrounds." Nonl. Dyn. **95**(4): 2855-2865.
377. Nikolic, S. et (2019). "Talbot carpets by rogue waves of extended Schrodinger equations." Nonl. Dyn. **97**(2): 1215.
378. Nikolioc, S. N., et al. (2017). "Systematic generation of higher-order solitons and breathers of the Hirota equation on different backgrounds." Nonl. Dyn. **89**(3): 1637-1649.
379. Nnanga, B. M. N., et al. (2020). "Tree-like structures and Freak waves generation induced by quintic-nonlinearity and cubic-Raman effect in a nonlinear metamaterial." Opt. Quant. Electr. **52**(7).
380. Odent, V., et al. (2016). Experimental Observation of Front Propagation in Lugiato-Lefever Equation in a Negative Diffractive Regime and Kerr Cavity. Nonl. Dyn.: **173:** 71-85.
381. Okuno, Y. L., et al. (2005). "Stable polarization operation of 1.3-mu m wavelength vertical-cavity surface-emitting laser (VCSEL) fabricated by orientation-mismatched wafer bonding." Ieee J. Sel. Top. Quant. Electr. **11**(5): 1006-1014.
382. Osinski, M., et al. (2000). Design of InGaN/GaN/AlGaN VCSELsusing electrical-thermal-optical simulation. Phys. Sim. Optoelectr. Dev. Viii, Pts 1 and 2. **3944:** 40-55.
383. Ostermann, J. M., et al. (2005). "Surface gratings for polarization control of singleand multi-mode oxide-confined vertical-cavity surface-emitting lasers." Opt. Commun.**246**(4-6): 511-519.
384. Ostermann, J. M., et al. (2005). "Polarization-stable oxide-confined VCSELs with enhancedoutput power via monolithicaily integrated inverted grating reliefs." Ieee J. Sel. Top. Quant. Electr. **11**(5): 982-989.
385. Ostermann, J. M., et al. (2007). "Polarization-controlled surface grating VCSELs under externally induced anisotropic strain." Phot. Techn. Lett. **19**(17-20): 1301-1303.
386. Ostermann, J. M., et al. (2006). Optimization of polarization-stable single- and multimode surface grating VCSELs towards high fabrication tolerance and superior performance. Semiconduc. Lasers and Laser Dynamics Ii. **6184**.
387. Ostermann, J. M., et al. (2006). "Optimized integrated surface grating design for polarization-stable VCSELs." Ieee J. Quant. Electr.**42**(7-8): 690-698.
388. Ouali, M., et al. (2017). "Extended and localized Hopf-Turing mixed-mode in non-instantaneous Kerr cavities." Opt. Expr.**25**(5): 4714-4719.
389. Pal, R. and S. Loomba (2021). "Rogue wave management for the generalized inhomogeneous nonlinear Schro center dot dinger Maxwell-Bloch equation with external potential." Optik **231**.
390. Paul, J., et al. (2006). "Experimental study of polarization switching of VCSELsas a dynamical bifurcation." Opt. Lett. **31**(6): 748-750.
391. Paul, J., et al. (2007). "Impact of orthogonal optical feedback on the polarization switching of vertical-cavity surface-emitting lasers." J. Opt. Soc. Am. B **24**(8): 1987-1994.
392. Paul, J., et al. (2008). "Experimental and theoretical study of dynamical hysteresis and scaling laws in the polarization switching of vertical-cavity surface-emitting lasers." Phys. Rev.A **77**(4).

393. Perego, A. M., et al. (2018). "Self-Induced Faraday Instability Laser." Phys. Rev.Lett. **120**(21).
394. Perego, A. M., et al. (2016). Dissipative parametric modulation instability and pattern formation in nonlinear optical systems. Nonlinear Optics and Its Applications Iv. **9894**.
395. Perez, M. A., et al. (2009). "Rubidium vapor cell with integrated Bragg reflectors for compact atomic MEMS." Sensors and Actuators a-Physical **154**(2): 295-303.
396. Perez, P., et al. (2014). "Polarization dynamics induced by orthogonal optical injection close to the lasing mode of a single-transverse-mode VCSEL." J. Opt. Soc. Am. B **31**(11): 2901-2907.
397. Perez, P., et al. (2014). Dynamics of long-wavelength VCSELs subject to dual-beam optical injection. Proc. Semicond. Lasers and Laser Dynamics Vi. **9134**.
398. Perez, P., et al. (2011). Polarization-resolved Nonl. Dyn. in long-wavelength single-mode VCSELs subject to orthogonal optical injection. Phys. Sim. Optoelectr. Dev. Xix. **7933**.
399. Perez, P., et al. (2011). "Polarization-Resolved Nonl. Dyn. Induced by Orthogonal Optical Injection in Long-Wavelength VCSELs." Ieee J. Sel. Top. Quant. Electr. **17**(5): 1228-1235.
400. Perez, P., et al. (2012). Deterministic and stochastic dynamics of linear polarizations emitted by single-mode VCSELs subject to orthogonal injection. Proc. Semicond. Lasers and Laser Dynamics V.**8432**.
401. Perez, P. and A. Valle (2015). "Enhancement of Chaotic Signal Bandwidth in VCSELs Induced by Polarized Optical Injection." Ieee J. Quant. Electr.**51**(6).
402. Perez, P., et al. (2014). Characterization of the working parameters of a long-wavelength VCSEL. Proc. Semicond. Lasers and Laser Dynamics Vi. **9134**.
403. Perez, P., et al. (2014). "Polarization-resolved characterization of long-wavelength vertical-cavity surface-emitting laser parameters." J. Opt. Soc. Am. B **31**(11): 2574-2580.
404. Perlin, P., et al. (2012). Highly doped GaN: a material for plasmonic claddings for blue/green InGaN laser diodes. Gallium Nitride Materials and Devices Vii. **8262**.
405. Pierangeli, D.etal. (2018). "Observation of Fermi-Pasta-Ulam-Tsingou Recurrence and Its Exact Dynamics." Phys. Rev.X **8.**
406. Pierscinski, K., et al. (2019). "Coupled-cavity AlInAs/InGaAs/InP quantum cascade lasers fabricated by focused ion beam processing." J. of Physics-Photonics **1**(1).
407. Porta, P. A., et al. (2002). "Laser Doppler velocimetry by optical self-mixing, in vertical-cavity surface-emitting lasers." Phot. Techn. Lett. **14**(12): 1719-1721.
408. Prati, F., (2004). "Analysis of elliptically polarized states in vertical-cavity-surface-emitting lasers." Phys. Rev.A **69**(3).
409. Prati, F., (2002). "Effects of gain saturation on polarization switching in vertical-cavity surface-emitting lasers." Phys. Rev.A **66**(6).
410. Pusch, T., et al. (2017). "Monolithic vertical-cavity surface-emitting laser with thermally tunable birefringence." Appl. Phys. Lett.**110**(15).
411. Pusch, T., et al. (2015). "VCSELswith birefringence splitting above 250 GHz." Electronics Lett. **51**(20): 1600-1601.
412. Qader, A. A., et al. (2013). "Robust Irreversible Polarization Switching in Optically Injected VCSELs." Phot. Techn. Lett. **25**(12): 1173-1176.
413. Qian, C., et al. (2018). "Rational and semi-rational solutions of the y-nonlocal Davey-Stewartson I equation." Computers & Mathematics with Applications **75**(9): 3317-3330.
414. Qiu, H. Y., et al. (2016). "Polarization switching characteristics in a 1550 nm VCSEL subject to circularly polarized optical injection." Chinese Opt. Lett. **14**(2).
415. Quirce, A., et al. (2012). "Dynamic Characteristics of an All-Optical Inverter Based on Polarization Switching in Long-Wavelength VCSELs." Ieee J. Quant. Electr.**48**(5): 588-595.
416. Quirce, A., et al. (2010). Polarization bistability in long-wavelength multitransverse-mode VCSELs induced by orthogonal optical injection. Semiconduc. Lasers and Laser Dynamics Iv. **7720**.
417. Quirce, A., et al. (2012). "Polarization Bistability Induced by Orthogonal Optical Injection in 1550-nm Multimode VCSELs." Ieee J. Sel. Top. Quant. Electr. **18**(2): 772-778.
418. Quirce, A., et al. (2019). "VCSEL-Based Optical Frequency Combs Expansion Induced by Polarized Optical Injection." Ieee J. Sel. Top. Quant. Electr. **25**(6).
419. Quirce, A., et al. (2018). "Polarization Dynamics in VCSEL-Based Gain Switching Optical Frequency Combs." J. Lightwave Techn.**36**(10): 1798-1806.
420. Quirce, A., et al. (2018). Theoretical study of polarization dynamics in VCSEL-based optical frequency combs. Proc. Semiconduc. Lasers and Laser Dynamics Viii. **10682**.
421. Quirce, A., et al. (2011). "Correlation properties and time-resolved dynamics of linear polarizations emitted by single-mode VCSELssubject to orthogonal optical injection." J. Opt. Soc. Am. B **28**(11): 2765-2776.
422. Quirce, A., et al. (2012). Optical spectral analysis of the Nonl. Dyn. in long-wavelength single-mode VCSELs subject to orthogonal optical injection. Phys. Sim. Optoelectr. Dev. Xx. **8255**.
423. Quirce, A., et al. (2010). Experimental study of relative intensity noise of multimode vertical-cavity surface-emitting lasers. Semiconduc. Lasers and Laser Dynamics Iv. **7720**.

424. Quirce, A., et al. (2010). "Experimental Study of Transverse Mode Selection in VCSELs Induced by Parallel Polarized Optical Injection." Ieee J. Quant. Electr.**46**(4): 467-473.
425. Quirce, A., et al. (2011). Transverse mode selection and injection locking in 1550-nm multimode VCSELs induced by optical injection. VCSELsXv. J. K. Guenter and C. Lei. **7952**.
426. Racz, E., et al. (2021). "Estimation of heavy tails in non-linear processes." New J. Phys. **23**(4).
427. Radha, R. and C. S. Kumar (2018). "Digging into the Elusive Localised Solutions of (2+1) Dimensional sine-Gordon Equation." Zeitschrift Fur Naturforschung Section a **73**(5): 415-423.
428. Radwell, N. and T. Ackemann (2009). "Characteristics of Laser Cavity Solitons in a Vertical-Cavity Surface-Emitting Laser With Feedback Volume Bragg Grating." Ieee J. Quant. Electr.**45**(11): 1388-1395.
429. Raja, M. Y. A., et al. (2002). "Polarization and spectral properties of ion-implanted and oxide-confined vertical-cavity surface-emitting lasers." Opt. Eng. **41**(3): 704-710.
430. Rajaei, M. and M. Shahabadi (2015). "Analysis of 2-D dielectric-waveguide-coupled optical ring resonators using a transmission-line formulation." J. Opt. Soc. Am. A**32**(10): 1797-1804.
431. Ran, C., et al. (2018). "Dual-channel physical random bits generation by a master-slave VCSELschaotic system." Laser Physics **28**(12).
432. Ran, C., et al. (2018). Dual-channel physical random bits generation using a vertical-cavity surface-emitting laser under dual-path polarization-preserved chaotic optical injection. Semiconductor Lasers and Applications Viii. N. H. Zhu and W. H. Hofmann. **10812**.
433. Ray, A., et al. (2020). "Understanding the origin of extreme events in El Nino southern oscillation." Phys. Rev.E **101**(6).
434. Redlich, C., (2016). "Mode-switching induced super-thermal bunching in quantum-dot microlasers." New J. Phys. **18**.
435. Redondo, Y. D. I., et al. (2018). "Stochastic spin flips in polariton condensates: nonlinear tuning from GHz to sub-Hz." New J. Phys. **20**.
436. Ren, C., et al. (2009). "External-cavity birefringence feedback effects of microchip Nd:YAG laser and its application in angle measurement." Chinese Physics B **18**(8): 3438-3443.
437. Ren, C., et al. (2009). "Generation and Modulation of Phase Difference of Output Intensities in a Feedback Nd:YAG Laser with an Extracavity Waveplate Rotated." Chinese Physics Lett. **26**(3).
438. Ren, Y., et al. (2018). "Characteristics of fundamental and superregular modes in a multiple self-induced transparency system." Comm. Nonlinear Sci. N.um. Sim. **63**: 161-170.
439. Ren, Y., et al. (2016). "Characteristics of optical multi-peak solitons induced by higher-order effects in an erbium-doped fiber system." Eur. Phys. J. D **70**(9).
440. Ren, Y., et al. (2018). "Controllable optical superregular breathers in the femtosecond regime." Chinese Physics B **27**(1).
441. Ren, Y. X., et al. (2017). Rogue waves in red blood cell suspensions. 2017 Conference on Lasers and Electro-Optics.
442. Rimoldi, C., et al. (2017). "Optical Rogue Waves in a Laser with Saturable Absorber." Nonl. Phen. Compl. Sys. 20: 73.
443. Rimoldi, C., et al. (2017). "Spatiotemporal extreme events in a laser with a saturable absorber." Phys. Rev.A **95**(2).
444. Rimoldi, C., et al. (2018). Spatiotemporal extreme events in spatially extended lasers. Proc. Semiconduc. Lasers and Laser Dynamics Viii. **10682**.
445. Rimoldi, C., et al. (2017). Optical Rogue Waves in a Laser with Saturable Absorber.
446. Riyopoulos, S. and E. Nhan (2004). "Polarization selection due to scattering losses in nonaxisymmetric vertical cavity surface emitting laser cavities." Appl. Phys. Lett.**85**(15): 3038-3040.
447. Rozental, R. M., et al. (2019). "Generation of Electromagnetic Rogue-Waves in Submillimeter-Band Gyrotrons." J. of Infrared Millimeter and Terahertz Waves **40**(2): 150-157.
448. Ruiz-Sanchez, R., (2020). "Autonomous chaos of exciton-polariton condensates." Phys. Rev.B **101**(15).
449. Saha, U. Feudel (2017). “Extreme events in FitzHugh-Nagumo oscillators coupled with two time delays.” Phys. Rev.E 95.
450. Saha, A. and U. Feudel (2018). "Characteristics of in-out intermittency in delay-coupled FitzHugh-Nagumo oscillators." Eur. Phys. J.-Special Topics **227**(10-11): 1205-1219.
451. Saha, A. and U. Feudel (2018). "Riddled basins of attraction in systems exhibiting extreme events." Chaos **28**(3).
452. Sakuraba, R., (2015). "Tb/s physical random bit generation with bandwidth-enhanced chaos in three-cascaded semiconductor lasers." Opt. Expr.**23**(2): 1470-1490.
453. Salmela, L., et al. (2020). "Machine learning analysis of rogue solitons in supercontinuum generation." Sci. Rep. **10**(1).
454. Salvide, M. F., et al. (2013). "All-Optical Stochastic Logic Gate Based on a VCSEL With Tunable Optical Injection." Ieee J. Quant. Electr.**49**(10): 886-893.
455. Salvide, M. F., et al. (2014). "Polarization Switching and Hysteresis in VCSELsSubject to Orthogonal Optical Injection." Ieee J. Quant. Electr.**50**(10): 848-853.
456. Salvide, M. F., et al. (2011). "Transverse Mode Selection and Bistability in VCSELsInduced by Parallel Polarized Optical Injection." Ieee J. Quant. Electr.**47**(5): 723-730.
457. Sanchez, B. B., et al. (2020). "Protecting Physical Communications in 5G C-RAN Architectures through Resonant Mechanisms in Optical Media." Sensors **20**(15).
458. Sang, L. X., et al. (2021). "Real-time all-optical random numbers based on optical Boolean chaos." Opt. Expr.**29**(5): 7100

459. SanMiguel, M. (1999). Polarisation properties of vertical cavity surface emitting lasers.
460. Santos, M. S., et al. (2019). "Dragon-kings death in nonlinear wave interactions." Physica A **534**.
461. Sardi, S., et al. (2019). "Embedding information in physically generated random bit sequences while maintaining certified randomness." Epl **127**(6).
462. Sarzala, R., (2018). "Thermal properties of GaN-based semiconductor-metal subwavelength grating VCSELs N.ovel current injection scheme." J. Phys. D **51**(28).
463. Sarzala, R. P., et al. (2016). Designing of TJ VCSEL based on nitride materials. Laser Technology 2016: Progress and Applications of Lasers. J. K. Jabczynski and R. S. Romaniuk. **10159**.
464. Sazonov, S. V. N.. V. Ustinov (2020). "FEW-CYCLE ACOUSTIC SOLITONS IN A STRAINED PARAMAGNET." Rom. Rep. Phys.**72**(4).
465. Schatz, R. and M. Peeters (2003). Modeling spatial hole burning and mode competition in index-guided VCSELs. Vcsels and Opt. Interconnects. **4942:** 158-169.
466. Schemmelmann, T., et al. (2017). "Delayed feedback control of self-mobile cavity solitons in a wide-aperture laser with a saturable absorber." Chaos **27**(11).
467. Scherer, B., et al. (2007). Oxygen measurements at high pressures using a low cost, polarization stabilized, widely tunable vertical-cavity surface-emitting laser. Smart Sensors, Act., and Mems Iii. **6589**.
468. Scherer, B., et al. (2008). "Measurement of the pressure broadening coefficients of the oxygen A-band using a low cost, polarization stabilized, widely tunable vertical-cavity surface-emitting laser." Microsystem Technologiesms **14**(4-5): 607-614.
469. Schires, K., et al. (2011). "Polarization and Time-Resolved Dynamics of a 1550-nm VCSEL Subject to Orthogonally Polarized Optical Injection." Ieee Photonics J. **3**(3): 555-563.
470. Schlottmann, E., et al. (2019). "Stochastic polarization switching induced by optical injection in bimodal quantum-dot micropillar lasers." Opt. Expr.**27**(20): 28816-28831.
471. Schulz-Ruhtenberg, M., et al. (2010). "Polarization properties in the transition from below to above lasing threshold in broad-area vertical-cavity surface-emitting lasers." Phys. Rev.A **81**(2).
472. Sciamanna, M. (2016). "OPTOMECHANICS Vibrations copying optical chaos." Nature Photonics **10**(6): 366-368.
473. Sciamanna, M., et al. (2003). "Different regimes of low-frequency fluctuations in vertical-cavity surface-emitting lasers." J. Opt. Soc. Am. B **20**(1): 37-44.
474. Sciamanna, M., et al. (2003). Different regimes of low-frequency fluctuations in vertical-cavity surface-emitting lasers. Vcsels and Opt. Interconnects. **4942:** 345-354.
475. Sciamanna, M., et al. (2004). "Hopf bifurcation cascade in small-alpha laser diodes subject to optical feedback." Phys. Rev.E **69**(4).
476. Seifouri, M., et al. (2018). "Ultra-high-Q optical filter based on photonic crystal ring resonator." Photonic Network Communications **35**(2): 225-230.
477. Sergeyev, S. V., et al. (2017). "Vector-Resonance-Multimode Instability." Phys. Rev.Lett. **118**(3).
478. Sergeyev, S. V., et al. (2014). "Spiral attractor created by vector solitons." Light-Science & Applications **3**.
479. Shahraki, M. A., et al. (2014). "Theory and simulation of cavity quantum electro-dynamics in multi-partite quantum complex systems." Applied Physics a-Materials Science & Processing **115**(2): 595-603.
480. Shapovalov, A. V. (2018). "Approximate Solutions of the One-Dimensional Fisher-Kolmogorov-Petrovskii- Piskunov Equation with Quasilocal Competitive Losses." Russian Physics J. **60**(9): 1461-1468.
481. Sharaby, Y. A. (2017). "Dynamics of Optical Bistability with Kerr-nonlinear Blackbody Radiation Reservoir." Communications in Theoretical Physics **67**(4): 435-442.
482. Shateri, F., et al. (2020). "Improved depth resolution and depth-of-field in temporal integral imaging systems through non-uniform and curved time-lens array." Opt. Expr.**28**(5): 6261-6276.
483. Shelly, D. R., (2000). "Polarization correlations in pulsed, vertical-cavity, surface-emitting lasers." Opt. Expr.**7**(7): 249.
484. Shevchenko, A., et al. (2017). "Polarization time of unpolarized light." Optica **4**(1): 64-70.
485. Shi, B. L., et al. (2020). "Gbps physical random bit generation based on the mesoscopic chaos of a silicon photonics crystal microcavity." Opt. Expr.**28**(24): 36685-36695.
486. Sinthuja, N., et al. (2021). "Rogue waves on the double-periodic background in Hirota equation." Eur. Phys. J. Plus **136.**
487. Slimani, N., et al. (2016). Weakly Nonlinear Analysis and Localized Structures in Nonlinear Cavities with Metamaterials. Nonl. Dyn.: **173:** 153-166.
488. Slunyaev, A. V. (2020). "Effects of coherent dynamics of stochastic deep-water waves." Phys. Rev.E **101**(6).

489. Smolyakov, G. A., et al. (2001). Analysis of vector LP modes in VCSELs using the effective frequency method. Phys. Sim. Optoelectr. Dev. Ix. Y. Arakawa, P. Blood and M. Osinski. **4283:** 113-128.
490. Sokol, A. K., et al. (2019). "Monolithic High Contrast Grating Nitride-Based VECSEL." Ieee J. Sel. Top. Quant. Electr. **25**(6).
491. Sondermann, M. and T. Ackemann (2005). "Correlation properties and drift phenomena in the dynamics of VCSELswith optical feedback." Opt. Expr.**13**(7): 2707-2715.
492. Sondermann, M., et al. (2004). "Experimental and theoretical investigations on elliptically polarized dynamical transition

states in the polarization switching of vertical-cavity surface-emitting lasers." Opt. Commun.**235**(4-6): 421-434.
493. Sondermann, M., et al. (2003). Dynamics and Polarization Effects in small-area VCSELsin free-running Mode and with time-delayed Feedback. Vcsels and Opt. Interconnects. **4942:** 92-102.
494. Sondermann, M., et al. (2004). "Polarization switching to the gain disfavored mode in vertical-cavity surface-emitting lasers." Ieee J. Quant. Electr.**40**(2): 97-104.
495. Sondermann, M., et al. (2003). "Two-frequency emission and polarization dynamics at lasing threshold in vertical-cavity surface-emitting lasers." Phys. Rev.A **68**(3).
496. Song, J. F., et al. (2006). "Tunable Fano resonance in photonic slabs." Opt. Expr.**14**(19): 8812-8826.
497. Soriano, M. C., et al. (2011). "Interplay of Current Noise and Delayed Optical Feedback on the Dynamics of Semiconductor Lasers." Ieee J. Quant. Electr.**47**(3): 368-374.
498. Soriano, M. C., et al. (2004). "Low-frequency fluctuations in VCSELswith polarization selective feedback: Experiment and theory." Ieee J. Sel. Top. Quant. Electr. **10**(5): 998-1005.
499. Soriano, M., et al. (2004). Single-mode low frequency fluctuations in vertical cavity surface emitting lasers with polarization-filtered feedback. Semiconduc. Lasers and Laser Dynamics. **5452:** 422.
500. Soto-Crespo, J. M., et al. (2017). "Dissipative solitons with extreme spikes: bifurcation diagrams in the anomalous dispersion regime." J. Opt. Soc. Am. B **34**(7): 1542-1549.
501. Spiewak, P., et al. (2015). Single and double oxidations in a 980 nm VCSEL - impact on certain electrical and optical properties. VCSELs Xix, 9381.
502. Spiewak, P., et al. (2018). Impact of the top DBR in GaAs-based VCSELs on the threshold current, and the cavity photon lifetime. VCSELsXxii**10552**.
503. Staliunas, K. (2017). "Multi-longitudinal-mode micro-laser model." Eur. Phys. J. D **71**(10).
504. Staliunas, K., et al. (2016). Spatial Filtering by Axisymmetric Photonic Crystals. 2016 18th ICTON.
505. Stanczyk, S., et al. (2013). "InGaN laser diodes with reduced AlGaN cladding thickness fabricated on GaN plasmonic substrate." Appl. Phys. Lett.**102**(15).
506. Stanczyk, S., et al. (2013). Thin AlGaN cladding, blue-violet InGaN laser diode with plasmonic GaN substrate. Gallium Nitride Materials and Devices Viii. J. I. Chyi, Y. Nanishi, H. Morkoc et al. **8625**.
507. Strijbos, R. C., et al. (2000). Intra-cavity contacted VCSELs with control. VCSELslv. **3946:** 69-77.
508. Sullivan, J., et al. (2020). "Kuznetsov-Ma solutions in the Salerno model." Eur. Phys. J. Plus **135**(7).
509. Sun, B., et al. (2016). "Theoretical and experimental investigation on the narrow-linewidth photonic microwave generation based on parallel polarized optically injected 1550 nm vertical-cavity surface-emitting laser." Acta Phys. Sinica **65**(1).
510. Sun, W. R. and L. Liu (2021). "Asymmetrical, rotational and ultra-high amplitude fundamental polarized optical rogue waves associated with the coherent coupling." Physics Lett. A **391**.
511. Sun, W. R. and L. Wang (2018). "Vector rogue waves, rogue wave-to-soliton conversions and modulation instability of the higher-order nonlinear Schrodinger equation." Eur. Phys. J. Plus **133**(12).
512. Suret, P., et al. (2016). "Single-shot observation of optical rogue waves in integrable turbulence using time microscopy." Nature Commun. **7**.
513. Suret, P., et al. (2017). Single-shot observation of Optical Rogue Waves in integrable turbulence using Time Microscopy. Real-Time Measurements, Rogue Phenomena, and Single-Shot Applications Ii. B. Jalali, D. R. Solli, S. K. Turitsyn, G. Steinmeyer N.. G. R. Broderick. **10089**.
514. Taheri, A., et al. (2021). "Optimized high-speed all-optical 2-bit ADC based on two-dimensional photonic crystal nanoresonators." Appl. Opt. **60**(1): 60-66.
515. Talouneh, K., et al. (2020). "Control of spatiotemporal rogue waves by harmonic pump modulation in a semiconductor laser with a saturable absorber." Phys. Rev.A **102**(3).
516. Tan, Y. and S. Zhang (2008). "Influence of external cavity length on multimode hopping in microchip Nd : YAG lasers." Appl. Opt. **47**(11): 1697-1704.
517. Tan, Y. D. and S. L. Zhang (2007). "External anisotropic feedback effects on the phase difference behavior of output intensities in microchip Nd : YAG lasers." Appl. Phys. B **89**(2-3): 339-343.
518. Tan, Y. D. and S. L. Zhang (2007). "Multi-mode hopping in Nd : YAG lasers with optical feedback." Acta Phys. Sinica **56**(4): 2124-2130.
519. Tan, Y. D. and S. L. Zhang (2008). Characteristics of intensity modulation in single-mode microship Nd : YAG lasers with anisotropic feedback and its application - art. no. 66221A. International Symposium on Photoelectronic Detection and Imaging 2007: A6221-A6221.
520. Tan, Y. D. and S. L. Zhang (2009). "Intensity modulation and multi modes hopping induced by phase change in external cavity Nd:YAG lasers." Opt. Commun.**282**(9): 1867-1870.
521. Tan, Y. D., et al. (2006). "Mode hopping in single-mode microchip Nd : YAG lasers induced by optical feedback." Chinese Physics **15**(12): 2934-2941.
522. Tan, Y. D., et al. (2013). "Response of microchip solid-state laser to external frequency-shifted feedback and its applications." Sci. Rep. **3**.

523. Tang, X., et al. (2015). "Tbits/s physical random bit generation based on mutually coupled semiconductor laser chaotic entropy source." Opt. Expr.**23**(26): 33130-33141.
524. Tang, X., et al. (2018). "Multi-Channel Physical Random Bits Generation Using a Vertical-Cavity Surface-Emitting Laser Under Chaotic Optical Injection." Ieee Access **6**: 3565-3572.
525. Tang, X., et al. (2019). "Fast Physical Random Bit Generation Based on a Broadband Chaotic Entropy Source Originated From a Filtered Feedback WRC-FPLD." Ieee Photonics J. **11**(2).
526. Tchakounte, F. M., et al. (2021). "Time-delayed feedback with global and local contributions on spatiotemporal dynamics of waves in fiber cavity." Eur. Phys. J. Plus **136**(1).
527. Teisseyre, H., et al. (2021). "Homoepitaxial ZnO/ZnMgO Laser Structures and Their Properties." Phys. Stat. Sol. A **218.**
528. Temgoua, D. D. E., et al. (2019). "Contrast of optical activity and rogue wave propagation in chiral materials." Nonl. Dyn. **95**(4): 2691-2702.
529. Tian, J., et al. (2017). "Generation of extreme pulses on demand in semiconductor lasers with optical injection." Opt. Expr.**25**(25): 31326-31336.
530. Tibaldi, A., et al. (2019). "VENUS: A Vertical-Cavity Surface-Emitting Laser Electro-Opto-Thermal NUmerical Simulator." Ieee J. Sel. Top. Quant. Electr. **25**(6).
531. Tibaldi, A., et al. (2018). "Bimodal Resonance Phenomena-Part III: High-Contrast Grating Reflectors." Ieee J. Quant. Electr.**54**(6).
532. Tibaldi, A., et al. (2015). A Comparison of Mode-Matching Formulations for the Analysis of High-Contrast Gratings.
533. Tibaldi, A., et al. (2019). Bimodal Operation of High-contrast Gratings: The Generalized Fabry-Perot Perspective. 2019 Photonics & Electromagnetics Research Symposium - Spring**:** 3812-3816.
534. Tibaldi, A., et al. (2018). High-contrast gratings as generalized Fabry-Perot interferometers. High Contrast Metastructures Vii. **10542**.
535. Toffoli, A., et al. (2017). "Wind Generated Rogue Waves in Annular Flume." Phys. Rev.Lett. **118**.
536. Tomida, S., et al. (2013). "Synchronization properties and effects of parameter mismatches in unidirectionally coupled chaotic vertical-cavity surface-emitting lasers." Optical Review **20**(4): 314-320.
537. Torre, M., et al. (2011). "Polarization Switching in Long-Wavelength VCSELs Subject to Orthogonal Optical Injection." Ieee J. Quant. Electr.**47**(1): 92-99.
538. Torre, M. S. and C. Masoller (2009). "Polarization-Re solved Modulation Response of Single-Transverse-Mode Vertical-Cavity Surface-Emitting Lasers." Ieee J. Quant. Electr.**45**(1-2): 206-212.
539. Torre, M. S. and C. Masoller (2019). "Exploiting the Nonl. Dyn. of Optically Injected Semiconductor Lasers for Optical Sensing." Photonics **6**(2).
540. Torre, M. S., et al. (2002). "Transverse-mode dynamics in VCSELswith feedback." Phys. Rev.A **66**.
541. Torre, M. S., et al. (2006). "Transverse and polarization effects in index-guided vertical-cavity surface-emitting lasers." Phys. Rev.A **74**(4).
542. Torre, M. S., et al. (2004). "Synchronization of unidirectionally coupled multi-transverse-mode vertical-cavity surface-emitting lasers." J. Opt. Soc. Am. B **21**(10): 1772-1780.
543. Torre, M. S., et al. (2010). "Wavelength-induced polarization bistability in 1550 nm VCSELs subject to orthogonal optical injection." J. Opt. Soc. Am. B **27**(12): 2542-2548.
544. Torre, M. S., et al. (2013). Numerical study of Polarization Hysteresis in VCSELs Subject to Orthogonal Injection. 2013 Sixth Rio De La Plata Workshop on Laser Dynamics N.onlinear Photonics.
545. Torre, M. S., et al. (2017). "High frequency continuous birefringence-induced oscillations in spin-polarized vertical-cavity surface-emitting lasers." Opt. Lett. **42**(8): 1628-1631.
546. Torre, M. S., et al. (2006). "Polarization and transverse mode behaviour of VCSELs under optical injection." Opt. Quant. Electr. **38**(4-6): 445-465.
547. Torre, M. S., et al. (2010). "Transverse Mode Selection in VCSELsWith Optical Injected Signal." Ieee J. Quant. Electr.**46**(1): 105-111.
548. Tykalewicz, B., et al. (2014). "All-optical switching with a dual-state, single-section quantum dot laser via optical injection." Opt. Lett. **39**(15): 4607-4610.
549. Uchida, A., et al. (2009). Synchronization of chaos in mutually coupled VCSELswith time delay.
550. Ugajin, K., et al. (2017). "Real-time fast physical random number generator with a photonic integrated circuit." Opt. Expr.**25**(6): 6511-6523.
551. Ura, S., et al. (2011). "In-line rotation sensor based on VCSEL behavior under polarization-rotating optical feedback." Opt. Expr.**19**(24): 23683-23688.
552. Uy, C. (2017). Correlation between polarization modes in VCSEL with optical feedback. VCSELsXxi. **10122**.
553. Uy, C. (2017). "Non-local correlations via chaotic itinerancy in VCSEL with optical feedback." Opt. Expr.**25**(6): 6914.
554. Uy, C. (2017). "Vectorial extreme events in VCSEL polarization dynamics." Opt. Lett. **42**(11): 2177-2180.
555. Uy, C. (2018). "Sustained oscillations accompanying polarization switching in laser dynamics." Opt. Expr.**26**(13): 16917.
556. Uy, C. (2019). "Optical chimera in light polarization." Apl Photonics **4**(5).

557. Valle, A., et al. (2007). "Transverse mode switching and locking in VCSELssubject to orthogonal optical injection." Ieee J. Quant. Electr.**43**(3-4): 322-333.
558. Valle, A., et al. (2008). Polarization bistability in 1.5 micron wavelength single-mode VCSELsinduced by orthogonal optical injection. Proc. Semicond. Lasers and Laser Dynamics Iii. **6997**.
559. Valle, A., et al. (2008). "Polarization bistability in 1550 nm wavelength single-mode VCSELssubject to orthogonal optical injection." Ieee J. Sel. Top. Quant. Electr. **14**(3): 895-902.
560. Valle, A., et al. (2008). "Analysis of the polarization dynamics in a multitransverse-mode vertical-cavity surface-emitting laser with isotropic optical feedback." Phys. Rev.A **78**(3).
561. Vatin, J., et al. (2018). "Enhanced performance of a reservoir computer using polarization dynamics in VCSELs." Opt. Lett. **43**(18): 4497-4500.
562. Vatin, J., et al. (2020). "Experimental realization of dual task processing with a photonic reservoir computer." Apl Photonics **5**(8).
563. Vaughan, M. P. and J. M. Rorison (2018). "Model expressions for the spin-orbit interaction and phonon-mediated spin dynamics in quantum dots." Semicond. Sci. Techn.**33**(1).
564. Vicente, R., (2006). "Bistable polarization switching in mutually coupled vertical-cavity surface-emitting lasers." Opt. Lett. **31**(7): 996-998.
565. Vicente, R., (2006). Polarization switching dynamics and bistability in mutually coupled vertical-cavity surface-emitting lasers. Semiconduc. Lasers and Laser Dynamics Ii. **6184**.
566. Viktorov, E. A., et al. (2016). "Injection-induced, tunable all-optical gating in a two-state quantum dot laser." Opt. Lett. **41**(15): 3555-3558.
567. Volet, N. (2015). Theory and characterization of elliptically polarized modes in vertical-cavity surface-emitting lasers. VCSELs Xix, 9381.
568. Volet, N., et al. (2013). "Transverse mode discrimination in long-wavelength wafer-fused VCSELsby intra-cavity patterning." Opt. Expr.**21**(22): 26983-26989.
569. Volet, N., et al. (2013). Improved single-mode emission characteristics of long-wavelength wafer-fused VCSELsby intra-cavity patterning. VCSELsXvii. **8639**.
570. Volet, N., et al. (2014). Stokes parameters and hybridization of optical modes in long-wavelength VCSELs(VCSELs). 2014 24th Ieee International Semiconductor Laser Conference**:** 108-110.
571. Walczak, J., et al. (2012). Simulation of 1550 nm diamond VECSEL with high contrast grating. Proc. Semicond. Lasers and Laser Dynamics V.. **8432**.
572. Walczak, P., et al. (2017). "Extreme events induced by collisions in a forced semiconductor laser." Opt. Lett. **42**: 3000.
573. Wan, X. J. and S. L. Zhang (2004). Self-mixing sensitivity dependence of dual-polarization microchip Nd : YAG lasers on the frequency difference of orthogonal polarizations. Advanced Sensor Systems and Applications II Pt 1and 2. Y. J. Rao, O. Y. Kwon and G. D. Peng. **5634:** 748-75.
574. Wan, X. J., et al. (2004). "Self-mixing interference in dual-polarization microchip Nd : YAG lasers." Chinese Physics Lett. **21**(11): 2175-2178.
575. Wang, A. B., et al. (2015). "Optical Heterodyne Generation of High-Dimensional and Broadband White Chaos." Ieee J. Sel. Top. Quant. Electr. **21**(6).
576. Wang, A. B., et al. (2017). "Minimal-post-processing 320-Gbps true random bit generation using physical white chaos." Opt. Expr.**25**(4): 3153-3164.
577. Wang, D., et al. (2017). "State bistability between pure- and mixed-mode states in a 1550 nm vertical-cavity surface-emitting laser subject to parallel optical injection." Japanese J. Appl. Phys. **56**(7).
578. Wang, D., et al. (2018). "Theoretical Investigation of State Bistability Between Pure- and Mixed-Mode States in a 1550-nm VCSEL Under Parallel Optical Injection." Ieee Access **6**: 19791-19797.
579. Wang, H. Y., et al. (2020). "Suppression of Relative Intensity and Mode Partition Noises in Orthogonally Polarized Dual-Wavelength VCSEL." J. Lightwave Techn.**38**(23): 6612-6622.
580. Wang, L. H., et al. (2017). "Generation of higher-order rogue waves from multibreathers by double degeneracy in an optical fiber." Phys. Rev.E **95**(4).
581. Wang, L. S., et al. (2020). "High-speed physical key distribution based on dispersion-shift-keying chaos synchronization in commonly driven semiconductor lasers without external feedback." Opt. Expr.**28**(25): 37919-37935.
582. Wang, Q. Y., et al. (2019). "Transformation point on the peak intensity of high-order rogue wave and its critical behavior." Comm. Nonlinear Sci. N.um. Sim. **75**: 302-308.
583. Wang, T., et al. (2019). "Dynamics of a Micro-VCSEL Operated in the Threshold Region Under Low-Level Optical Feedback." Ieee J. Sel. Top. Quant. Electr. **25**(6).
584. Wang, X., et al. (2015). "Modulation instability in a highly nonlinear fiber for discrete-time pulsed random bit generation." Opt. Lett. **40**(11): 2665-2667.
585. Wang, X., (2017). "Rogue waves and W-shaped solitons in the multiple self-induced transparency system." Chaos **27**(9).
586. Wang, X. F. (2013). "Polarization switching dynamics of vertical-cavity surface-emitting laser subject to negative

optoelectronic feedback." Acta Phys. Sinica **62**(10).
587. Wang, X. F. and J. Li (2014). "Dynamic characteristics of 1550 nm vertical-cavity surface-emitting laser subject to polarization-rotated optical feedback: the short cavity regime." Acta Phys. Sinica **63**(1).
588. Wang, X. F., et al. (2016). "Polarization switching with low power consumption induced by optical feedback in long-wavelength vertical-cavity surface-emitting lasers." Acta Phys. Sinica **65**(2).
589. Wang, X. F., et al. (2009). "Theoretical investigations on the polarization performances of current-modulated VCSELs subject to weak optical feedback." J. Opt. Soc. Am. B **26**(1): 160-168.
590. Wang, Y. and L. Li (2017). "OPTICAL AMPLIFICATION AND RESHAPING BASED ON ROGUE WAVE IN THE FEMTOSECOND REGIME." Romanian J. of Physics **62**(3-4).
591. Wang, Y., et al. (2016). "Optical amplification and reshaping based on the Peregrine rogue wave." Appl. Opt. **55**: 7241.
592. Wang, Y. Z., et al. (2020). "Recent advances in real-time spectrum measurement of soliton dynamics by dispersive Fourier transformation." Reports on Progress in Physics **83**(11).
593. Ward, C. B. and P. G. Kevrekidis (2019). "ROGUE WAVES AS SELF-SIMILAR SOLUTIONS ON A BACKGROUND: A DIRECT CALCULATION." Romanian J. of Physics **64**(7-8).
594. Ward, C. B., et al. (2020). "Rogue waves and periodic solutions of a nonlocal nonlinear Schrodinger model." Phys. Rev.Research **2**(1).
595. Wasiak, M., et al. (2020). "Numerical model for small-signal modulation response in vertical-cavity surface-emitting lasers." J. Phys. D **53**(34).
596. Wassin, S., et al. (2018). "Application of VCSELs in next-generation telescope array networks such as the Square Kilometre array." Opt. Laser Techn. **105**: 66-75.
597. Weerasekara, G. and A. Maruta (2017). "Characterization of optical rogue wave based on solitons' eigenvalues of the integrable higher-order nonlinear Schrodinger equation." Opt. Commun.**382**: 639-645.
598. Weerasekara, G. and A. Maruta (2017). "Eigenvalue Based Analysis of Soliton Fusion Phenomenon in the Frame Work of Nonlinear Schrodinger Equation." Ieee Photonics J. **9**(3).
599. Wen, X. Y. and Z. Y. Yan (2018). "Modulational instability and dynamics of multi-rogue wave solutions for the discrete Ablowitz-Ladik equation." J. of Mathematical Physics **59**(7).
600. Wen, X. Y., et al. (2016). "Higher-order vector discrete rogue-wave states in the coupled Ablowitz-Ladik equations: Exact solutions and stability." Chaos **26**(12).
601. Werner, A., et al. (2012). "Spin dynamics of dark polariton solitons." Phys. Rev.B **85**(11).
602. Werner, A., et al. (2014). "Pseudospin dynamics of exciton-polariton patterns in a coherently driven semiconductor microcavity." Phys. Rev.B **90**(16).
603. Wieckowska, M., et al. (2018). "Shaping vertical-cavity surface-emitting laser mode profiles with an antiresonant oxide island for improved single-mode emission." J. Opt. Soc. Am. B **35**(9): 2259-2265.
604. Wieckowska, M., et al. (2020). "Impact of an Antiresonant Oxide Island on the Lasing of Lateral Modes in VCSELs." Materials **13**(9).
605. Wiersma, N., et al. (2015). "Spatiotemporal dynamics of counterpropagating Airy beams." Sci. Rep. **5**.
606. Willemsen, M. B., et al. (2000). "Anatomy of a polarization switch of a vertical-cavity semiconductor laser." Phys. Rev.Lett. **84**(19): 4337-4340.
607. Williame, J., et al. (2019). "Chaotic dynamics in a macrospin spin-torque nano-oscillator with delayed feedback." Appl. Phys. Lett.**114**(23).
608. Wishon, M. J., et al. (2018). "Chaotic laser voltage: An electronic entropy source." Appl. Phys. Lett.**112**(26).
609. Woodley, M. T. M., et al. (2021). "Self-Switching Kerr Oscillations of Counterpropagating Light in Microresonators." Phys. Rev.Lett. **126**(4).
610. Wu, J. G., et al. (2017). "Mesoscopic chaos mediated by Drude electron-hole plasma in silicon optomechanical oscillators." Nature Commun. **8**.
611. Wu, Y., et al. (2013). "Influence of Feedback Level on Laser Polarization in Polarized Optical Feedback." Chinese Physics Lett. **30**(8).
612. Wu, Y., et al. (2013). "Polarization characteristics of He-Ne laser with different directions of polarized feedback." Appl. Opt. **52**(22): 5371-5375.
613. Wu, Y., et al (2013). "The intra-cavity phase anisotropy and the polarization flipping in HeNe laser." Opt. Expr.**21**: 13684.
614. Wu, Y. H., et al. (2012). Thermal Characteristic of Polarization Switching in Vertical-Cavity Surface-Emitting Lasers. VCSELs Xvi **8276**.
615. Wu, Y. H., et al. (2014). Critical slowing down in polarization switching of vertical-cavity surface-emitting lasers. Proc. Semicond. Lasers and Laser Dynamics Vi. **9134**.
616. Wu, Y. H., et al. (2020). "Breather Interaction Properties Induced by Self-Steepening and Space-Time Correction." Chinese Physics Lett. **37**(4).
617. Xiang, S. Y., et al. (2018). "Zero-lag intensity correlation properties in small ring laser network with heterogeneous delays." J. Opt. Soc. Am. B **35**(2): 287-294.

618. Xiang, S. Y., et al. (2011). "Conceal time-delay signature of chaotic VCSELsby variable-polarization optical feedback." Opt. Commun.**284**(24): 5758-5765.
619. Xiang, S. Y., et al. (2011). "Unpredictability-Enhanced Chaotic VCSELsWith Variable-Polarization Optical Feedback." J. Lightwave Techn.**29**(14): 2173-2179.
620. Xiang, S. Y., et al. (2013). "Influence of Variable-Polarization Optical Feedback on Polarization Switching Properties of Mutually Coupled VCSELs." Ieee J. Sel. Top. Quant. Electr. **19**(4).
621. Xiang, S. Y., et al. (2010). "Polarization degree of VCSELssubject to optical feedback with controllable polarization." J. Opt. Soc. Am. B **27**(3): 476-483.
622. Xiang, S. Y., et al. (2009). "Polarization properties of VCSELssubject to feedback with variably rotated polarization angle." Appl. Opt. **48**(27): 5176-5183.
623. Xiang, S. Y., et al. (2010). "Variable-polarization optical feedback induced hysteresis of the polarization switching in vertical-cavity surface-emitting lasers." J. Opt. Soc. Am. B **27**(12): 2512-2517.
624. Xiang, S. Y., et al. (2011). "Influence of polarization mode competition on chaotic unpredictability of VCSELswith polarization-rotated optical feedback." Opt. Lett. **36**(3): 310-312.
625. Xiang, S. Y., et al. (2011). "Quantifying Chaotic Unpredictability of VCSELsWith Polarized Optical Feedback via Permutation Entropy." Ieee J. Sel. Top. Quant. Electr. **17**(5): 1212-1219.
626. Xiang, S. Y., et al. (2019). "2.24-Tb/s Physical Random Bit Generation With Minimal Post-Processing Based on Chaotic Semiconductor Lasers Network." J. Lightwave Techn.**37**(16): 3987-3993.
627. Xiang, S. Y., et al. (2017). "Cascadable Neuron-Like Spiking Dynamics in Coupled VCSELs Subject to Orthogonally Polarized Optical Pulse Injection." Ieee J. Sel. Top. Quant. Electr. **23.**
628. Xiao, J. L., et al. (2018). Random bit generation in dual transverse mode microlaser without optical injection or feedback. 2018 Ieee International Semiconductor Laser Conference**:** 171-172.
629. Xie, Y. Y., et al. (2014). "Dynamics of 1550-nm VCSELs With Positive Optoelectronic Feedback: Theory and Experiments." Ieee Photonics J. **6**(6).
630. Xin, F. F., et al. (2019). "Observation of extreme nonreciprocal wave amplification from single soliton-soliton collisions." Phys. Rev.A **100**(4).
631. Xiong, S. D., et al. (2014). "Experimental study on mode hopping triggered by transient characteristics of saturable absorber gratings in Er-doped fiber ring lasers." Acta Phys. Sinica **63**(13).
632. Xu, G., et al. (2018). "Incoherent Shock and Collapse Singularities in Non-Instantaneous Nonlinear Media." Appl. Sci.-Basel **8**(12).
633. Xu, G., et al. (2016). "Weak Langmuir optical turbulence in a fiber cavity." Phys. Rev.A **94**(1).
634. Xu, G., et al. (2017). "Origins of spectral broadening of incoherent waves: Catastrophic process of coherence degradation." Phys. Rev.A **96**(2).
635. Xu, G. F., et al. (2021). "Intensity equations for birefringent spin lasers." Phys. Rev.B **103**(4).
636. Xu, J. M., et al. (2020). "Optical rogue wave in random fiber laser." Photonics Research **8**(1): 1-7.
637. Xu, L., et al. (2015). "Laser experimental system as teaching aid for demonstrating basic phenomena of laser feedback." European J. of Physics **36**(2).
638. Xu, M. F., et al. (2021). "Metasurface spatiotemporal dynamics and asymmetric photonic spin-orbit interactions mediated vector-polarization optical chaos." Phys. Rev.Research **3**(1).
639. Yan, X. J., et al. (2008). "Polarization bistability characteristics of optical feedback VCSELsafter taking into account multiple trip external optical feedbacks." J. Optoelectr. Adv. Mat.**10**(10): 2502-2506.
640. Yan-Fei, L., et al. (2020). "Generation of 8 Gb/s physical random numbers based on spontaneous chaotic oscillation of GaAs/Al0.45Ga0.55As superlattices." Acta Phys. Sinica **69**(10).
641. Yang, J. Y., et al. (2016). "Experimental determination of key parameters in the spin-flip model of 1550 nm vertical-cavity surface-emitting laser." Acta Phys. Sinica **65**(12).
642. Yang, Y. Q., et al. (2018). "Higher-order rational solutions for a new integrable nonlocal fifth-order nonlinear Schrodinger equation." Wave Motion **77**: 1-11.
643. Yang, Z. P., et al. (2018). "Controllable optical rogue waves via nonlinearity management." Opt. Expr.**26**(6): 7587-7597.
644. Yang, Z. P., et al. (2016). "CLASSIFICATION OF FAMILIES OF EXACT LOCALIZED SOLUTIONS OF POTENTIAL-FREE SCHRODINGER EQUATION IN SPHERICAL COORDINATES." Romanian J. of Physics **61**(5-6): 814-826.
645. Yao, X. J., et al. (2018). "Multi-channel physical random number generation based on two orthogonally mutually coupled 1550 nm vertical-cavity surface-emitting lasers." Acta Phys. Sinica **67**(2).
646. Yarunova, E. A., et al. (2019). "Stabilization of Broad-Area Laser Emission by Optical Injection." Bulletin of the Lebedev Physics Institute **46**(4): 130-132.
647. Yildirim, R. and H. Canbolat (2016). "Gain and coherence collapse condition for a laser diode with optoelectronic feedback using Volterra series." Turkish J. of Electrical Engineering and Computer Sciences **24**(4): 2163-2173.
648. Yoshiya, K., et al. (2020). "Entropy evaluation of white chaos generated by optical heterodyne for certifying physical random number generators." Opt. Expr.**28**(3): 3686-3698.

649. Yu, Y. T., et al. (2014). "Exploring the influence of boundary shapes on emission angular distributions and polarization states of broad-area vertical-cavity surface-emitting lasers." Opt. Expr.**22**(22): 26939-26946.
650. Yu, Y. T., et al. (2014). "Exploring lasing modes and polarization characteristics in broad-area square-shaped vertical-cavity surface emitting lasers with frequency detuning." Laser Phys. Lett. 11.
651. Yuan, L. J. and Y. Y. Lu (2010). "Dirichlet-to-Neumann map method for analyzing hole arrays in a slab." J. Opt. Soc. Am. B **27**(12): 2568-2579.
652. Zamora-Munt, J. and C. Masoller (2010). "Numerical implementation of a VCSEL-based stochastic logic gate via polarization bistability." Opt. Expr.**18**(16): 16418-16429.
653. Zeng, Z. L., et al. (2013). "Controlling the duty cycle of the eigenstates in laser with multiple optical feedback." Opt. Expr.**21**(17): 19990-19996.
654. Zhang, C. R., (2019). "Vector breathers with the negatively coherent coupling in a weakly birefringent fiber." Wave Motion **84**: 68-80.
655. Zhang, C. R., (2018). "Rogue waves and solitons of the coherently-coupled nonlinear Schrodinger equations with the positive coherent coupling." Phys. Scripta **93**(9).
656. Zhang, G. Q., et al. (2018). "Three-wave resonant interactions: Multi-dark-dark-dark solitons, breathers, rogue waves, and their interactions and dynamics." Physica D **366**: 27-42.
657. Zhang, H., et al. (2017). "Complexity-enhanced polarization-resolved chaos in a ring network of mutually coupled VCSELswith multiple delays." Appl. Opt. **56**(24): 6728-6734.
658. Zhang, J. Z., et al. (2018). "Time-delay-signature-suppressed broadband chaos generated by scattering feedback and optical injection." Appl. Opt. **57**(22): 6314-6317.
659. Zhang, S., et al. (2014). "Frequency difference modulation of microchip Nd:YAG laser induced by laser feedback." Acta Phys. Sinica **63**(10).
660. Zhang, S. L. and L. G. Fei (2006). "Orthogonally polarized feedback in lasers." Opt. Eng. **45**(11).
661. Zhang, T., et al. (2021). "Experimental Observation of Dynamic-State Switching in VCSELs With Optical Feedback." Phot. Techn. Lett. **33**(7): 335-338.
662. Zhang, W. L., et al. (2007). "Influence of polarization-selected mutual injection on the polarization-switching dynamics of vertical-cavity surface-emitting lasers." J. Opt. Soc. Am. B **24**(9): 2472-2478.
663. Zhang, W. L., et al. (2007). "Polarization switching and synchronization of mutually coupled vertical-cavity surface-emitting semiconductor lasers." Chinese Physics **16**(7): 1996-2002.
664. Zhang, W. L., et al. (2007). "Polarization switching of mutually coupled vertical-cavity surface-emitting lasers." J. Opt. Soc. Am. B **24**(6): 1276-1282.
665. Zhang, W. L., et al. (2008). "Polarization-resolved dynamics of asymmetrically coupled vertical-cavity surface-emitting lasers." J. Opt. Soc. Am. B **25**(2): 153-158.
666. Zhang, W. L., et al. (2008). "Theoretical study on phase conjugation in weakly injected vertical-cavity surface-emitting lasers." Chinese Physics B **17**(5): 1821-1825.
667. Zhang, W. L., et al. (2007). "Theoretical study on polarization dynamics of VCSELs with negative optoelectronic feedback." Appl. Opt. **46**(29): 7262-7266.
668. Zhang, W. L., et al. (2008). "Mode hopping and polarization switching of mutually coupled vertical-cavity surface-emitting lasers." Science in China Series F-Information Sciences **51**(5): 592-598.
669. Zhang, W. L., et al. (2008). "Polarization switching and hysteresis of VCSELs with time-varying optical injection." Ieee J. Sel. Top. Quant. Electr. **14**(3): 889-894.
670. Zhang, W. L., et al. (2006). "Polarization dynamics of VCSELswith feedback." Opt. Eng. **45**(11).
671. Zhang, W. L., et al. (2006). "Separate polarization modes synchronization and synchronization switches between vertical-cavity surface-emitting lasers." Optical Review **13**(6): 443-448.
672. Zhang, Y., et al. (2015). "The multistability in the coupled semiconductor microcavities." International J. of Quantum Information **13**(7).
673. Zhang, Y. H., et al. (2018). "Spike encoding and storage properties in mutually coupled VCSELssubject to optical pulse injection." Appl. Opt. **57**(7): 1731-1737.
674. Zhang, Y. H., et al. (2018). "Polarization-resolved and polarization-multiplexed spike encoding properties in photonic neuron based on VCSEL-SA." Sci. Rep. **8**.
675. Zhao, A. K., et al. (2019). "Wideband Time Delay Signature-Suppressed Chaos Generation Using Self-Phase-Modulated Feedback Semiconductor Laser Cascaded With Dispersive Component." J. Lightwave Techn.**37**(19): 5132-5139.
676. Zhao, A. K., et al. (2019). "Wideband complex-enhanced chaos generation using a semiconductor laser subject to delay-interfered self-phase-modulated feedback." Opt. Expr.**27**(9): 12336-12348.
677. Zheng, A. J., et al. (2012). "Nonl. Dyn. of 1550 nm vertical-cavity surface-emitting laser with polarizationpreserved optical feedback." Acta Phys. Sinica **61**(23).
678. Zhmakin, A. I. (2011). "Enhancement of light extraction from light emitting diodes." Physics Reports-Review Section of Physics Lett. **498**(4-5): 189-241.

679. Zhong, D. Z., et al. (2017). "Real-time multi-target ranging based on chaotic polarization laser radars in the driveresponse VCSELs." Opt. Expr.**25**(18): 21684-21704.
680. Zhong, W. (2021). "Breather solutions of the nonlocal nonlinear self-focusing Schrodinger equation." Phys. Lett. A **395**.
681. Zhong, Z. Q., et al. (2016). "Polarization Dynamics of 1550-nm VCSELs Subject to Polarization-Preserved FBG Feedback." Phot. Techn. Lett. **28**(9): 963-966.
682. Zhou, L., et al. (2015). "Time-delay signature concealment of polarization-resolved chaos outputs in VCSELswith variable-polarization filtered optical feedback." Chinese Opt. Lett. **13**(9).
683. Zhukov, A. V., et al. (2015). "Interaction of a two-dimensional electromagnetic pulse with an electron inhomogeneity in an array of carbon nanotubes in the presence of field inhomogeneity." Eur. Phys. J. D **69**(11).
684. Ziemann, D., et al. (2013). "Optical injection enables resonance in quantum-dot lasers." Epl **103**.
685. Zinsou, R., (2021). "Wideband Millimeter-Wave Flat Chaos Generation With Controllable Power Spectrum Using Optical Time Lens." Ieee Photonics J. **13**(1).
686. Zutic, I., et al. (2020). "Spin -lasers: spintronics beyond magnetoresistance." Sol. State Commun. **316**.
687. Zyablovskii, A. A., et al. (2015). "Magnetically controlled vertically emitting laser with anisotropic pumping." J. of Communications Technology and Electronics **60**(1): 87-96.
688. Adams, M. J. , D. Alexandropoulos (2009). "Parametric Analysis of Spin-Polarized VCSELs." Ieee J. Quant. Electr.45: 744.
689. Adams, M. J., et al. (2010). "Nonlinear semiconductor lasers and amplifiers for all-optical information processing." Chaos **20**(3).
690. Al Naimee, K., et al. (2008). "Noise effects in intrinsic laser polarization switching." Phys. Rev.A **77**(6).
691. Alharthi, S. S., et al. (2014). "Control of emitted light polarization in a 1310 nm dilute nitride spin-vertical cavity surface emitting laser subject to circularly polarized optical injection." Appl. Phys. Lett.**105**(18).
692. Alharthi, S. S., et al. (2015). "Circular polarization switching and bistability in an optically injected 1300 nm spin-vertical cavity surface emitting laser." Appl. Phys. Lett.**106**(2).
693. Al-Seyab, R., (2013). "Dynamics of VCSELs Subject to Optical Injection of Arbitrary Polarization." Ieee J. Sel. Top. Quant. Electr. **19**(4).
694. Al-Seyab, R., (2012). Elliptical Injection of a 1550nm-VCSEL: Theory and Experiment. 2012 23rd Ieee International Semiconductor Laser Conference**:** 90-91.
695. Al-Seyab, R., (2010). Novel theory and experiments on dynamics of polarised optical injection in long-wavelength VCSELs.
696. Al-Seyab, R., (2011). "Dynamics of Polarized Optical Injection in 1550-nm VCSELs: Theory and Experiments." Ieee J. Sel. Top. Quant. Electr. **17**(5): 1242-1249.
697. Aoyama, H., et al. (2011). "Chaos dynamics in vertical-cavity surface-emitting semiconductor lasers with polarization-selected optical feedback." Opt. Commun.**284**(5): 1405-1411.
698. Barve, A. V., et al. (2013). "Fast, electrically controlled polarization modulation of multimode VCSELsby RF frequency modulation." Opt. Expr.**21**(25): 31092-31097.
699. Bogatenko, T. R. and V. V. Semenov (2018). "Coherence resonance in an excitable potential well." Physics Lett. A **382**(37): 2645-2649.
700. Bussjager, R., (2006). Injection characterization of packaged bi-directional diamond shaped ring lasers at 1550 nm. Enabling Photonics Technologies for Defense, Security, and Aerospace Applications Ii. **6243**.
701. Chang, Y. S. and F. Y. Lin (2008). Nonl. Dyn. of a vertical-cavity surface-emitting laser subject to a repetitive optical pulse injection. Proc. Semicond. Lasers and Laser Dynamics Iii. **6997**.
702. Chen, J., et al. (2016). "Investigations on the polarization switching and bistability in a 1550 nm vertical-cavity surface-emitting laser under variable-polarization optical injection." Acta Phys. Sinica **65**(16).
703. Chen, J. J., et al. (2018). "Wideband Polarization-Resolved Chaos With Time-Delay Signature Suppression in VCSELs Subject to Dual Chaotic Optical Injections." Ieee Access **6**: 66807-66815.
704. Chen, J. J., et al. (2017). "Polarization Bistability in a 1550 nm Vertical-Cavity Surface-Emitting Laser Subject to Variable Polarization Optical Injection." Ieee Photonics J. **9**(2).
705. Chen, J. J., et al. (2015). "Power-induced polarization switching and bistability characteristics in 1550-nm VCSELs subjected to orthogonal optical injection." Chinese Physics B **24**(2).
706. Chen, X., et al. (2016). "Experimental investigations on the dynamical characteristics of pulse packages in a monolithically integrated amplified feedback laser." Acta Phys. Sinica **65**(21).
707. Cheng, D. L., et al. (2009). "Synchronization of optical chaos in VCSELsvia optimal PI controller." Expert Systems with Applications **36**(3): 6854-6858.
708. Dal Bosco, A. K., et al. (2015). "Cycles of self-pulsations in a photonic integrated circuit." Phys. Rev.E **92**(6).
709. Dal Bosco, A. K., et al. (2012). Low-frequency fluctuations in a laser diode with phase-conjugate feedback. Proc. Semicond. Lasers and Laser Dynamics V.. **8432**.
710. Dal Bosco, A. K., et al. (2013). "Delay-induced resonance of chaotic dynamics." Epl **101**(2).
711. Damodarakurup, S., et al. (2019). "Long-time dynamics of a vertical-cavity surface-emitting laser under optical

feedback." Pramana-J. of Physics **92**(4).
712. Debernardi, P. and G. P. Bava (2003). "Coupled mode theory: A powerful tool for analyzing complex VCSELs and designing advanced device features." Ieee J. Sel. Top. Quant. Electr. **9**(3): 905-917.
713. Debernardi, P., et al. (2003). "Single-mode, single-polarization VCSELs via elliptical surface etching: Experiments and theory." Ieee J. Sel. Top. Quant. Electr. **9**(5): 1394-1405.
714. Deng, T., et al. (2015). "Two-Mode Coexistence in 1550-nm VCSELs With Optical Feedback." Phot. Techn. Lett. **27: 2075.**
715. Deng, T., et al. (2017). "Experimental investigation on Nonl. Dyn. of 1550 nm VCSEL simultaneously subject to orthogonal optical injection N.egative optoelectronic feedback." Laser Physics **27**(4).
716. Deng, T., et al. (2014). "Broadband chaos synchronization and communication based on mutually coupled VCSELs subject to a bandwidth-enhanced chaotic signal injection." Nonl. Dyn. **76**(1): 399-407.
717. Deng, W., et al. (2013). "Dual-channel chaos synchronization and communication based on a vertical-cavity surface emitting laser with double optical feedback." Acta Phys. Sinica **62**(16).
718. Deshmukh, V. M., et al. (2011). "Experimental N.umerical analysis on temporal dynamics of polarization switching in an injection-locked 1.55-mu m wavelength VCSEL." Opt. Expr.**19**(18): 16934.
719. Du, L. H., et al. (2010). "Bidirectional dual-channel chaos synchronization and communication based on mutually coupled VCSELs with optical feedback." Optoelectr. Adv. Mat. **4**(5): 624-629.
720. Du, L. H., et al. (2010). "Bidirectional dual-channel chaos synchronization and communication based on mutually coupled VCSELs with optical feedback." J. Optoelectr. Adv. Mat.**12**(2): 171-176.
721. Duan, W. L., et al. (2011). "Simulation of time delay effects in the intracellular calcium oscillation of cells." Phys. Scripta **83**(1).
722. Foutse, M. and P. Woafo (2015). "Edge-emitting semiconductor laser subject to nonsinusoidal excitation from system: numerical and electronic models analysis." Opt. Quant. Electr. **47**(10): 3405-3417.
723. Foutse, M. and P. Woafo (2016). "Behavior of a new electronic circuit mimicking the edge-emitting semiconductor laser." Optik **127**(6): 3430-3434.
724. Garcia-Vellisca, M. A., et al. (2016). "Experimental evidence of deterministic coherence resonance in coupled chaotic systems with frequency mismatch." Phys. Rev.E **94**(1).
725. Grachev, A. I. and D. A. Kamshilin (2005). "Polarization of recombination radiation induced by electrical current in crystals." Appl. Phys. B **80**(7): 797-799.
726. Gu, X. (2012). "Stochastic resonance driven by time-delayed feedback in a bistable system with colored noise." Eur. Phys. J. D **66**(3).
727. Gu, X. and S. Q. Zhu (2010). "Dynamical properties of a single-mode laser with two different types of time delays." Eur. Phys. J. D **56**(2): 215-219.
728. Guo, P., et al. (2013). "Experimental and theoretical study of wide hysteresis cycles in 1550 nm VCSELs under optical injection." Opt. Expr.**21**(3): 3125-3132.
729. Guo, P., et al. (2012). "An ellipse model for cavity mode behavior of optically injection-locked VCSELs." Opt. Expr.**20**(7): 6980-6988.
730. Guo, W., et al. (2012). "Coherence and spike death induced by bounded noise and delayed feedback in an excitable system." Eur. Phys. J. B **85**(6).
731. He, M. J., et al. (2015). "Dynamical complexity and stochastic resonance in a bistable system with time delay." Nonl. Dyn. **79**(3): 1787-1795.
732. Hejda, M., et al. (2020). "Spike-based information encoding in vertical cavity surface emitting lasers for neuromorphic photonic systems." J. of Physics-Photonics **2**(4).
733. Homayounfar, A. and M. J. Adams (2006). "Polarisation effects in optically-injected VCSELs." Electronics Lett. **42**(9): 537.
734. Homayounfar, A. and M. J. Adams (2006). Polarization sensitivity of injection-locked VCSELS.
735. Homayounfar, A. M. J. Adams (2007). "Analysis of SFM dynamics in solitary and optically-injected VCSELs." Opt. Expr.15: 10504.
736. Homayounfar, A. and M. J. Adams (2007). "Locking bandwidth and birefringence effects for polarized optical injection in vertical-cavity surface-emitting lasers." Opt. Commun.**269**(1): 119-127.
737. Homayounfar, A. and M. J. Adams (2008). Analysis of Nonl. Dyn. and spin-flip parameters on elliptically polarized injection-locked VCSELs - art. no. 70361E. Spintronics. **7036:** E361-E361.
738. Homayounfar, A., et al. (2008). EFFECTS of SPIN RELAXATION RATE of InGaAs/InP of QUANTUM WELLS on ELLIPTICALLY POLARISED INJECTION LOCKED VCSELs. 2008 Ieee 20th Int. Conf. Indium Phosphide and Rel. Mater.: 631-632.
739. Hong, Y., et al. (2008). "Enhanced chaos synchronization in unidirectionally coupled vertical-cavity surface-emitting semiconductor lasers with polarization-preserved injection." Opt. Lett. **33**(6): 587-589.
740. Hong, Y., et al. (2006). "The effects of polarization-resolved optical feedback on the relative intensity noise and polarization stability of vertical-cavity surface-emitting lasers." J. Lightwave Techn.**24**(8): 3210-3216.
741. Hong, Y. H. (2013). "Experimental study of time-delay signature of chaos in mutually coupled VCSELssubject to polarization optical injection." Opt. Expr.**21**(15): 17894-17903.

742. Hong, Y. H. (2015). "Flat Broadband Chaos in Mutually Coupled Vertical-Cavity Surface-Emitting Lasers." Ieee J. Sel. Top. Quant. Electr. **21**(6).
743. Hong, Y. H., et al. (2015). "Enhanced Flat Broadband Optical Chaos Using Low-Cost VCSEL and Fiber Ring Resonator." Ieee J. Quant. Electr.**51**(3).
744. Hong, Y. H., et al. (2005). "Investigation of polarization bistability in VCSELssubjected to optical feedback." Ieee J. Quant. Electr.**41**(5): 619-624.
745. Hong, Y. H., et al. (2009). "GHz Bandwidth Message Transmission Using Chaotic Vertical-Cavity Surface-Emitting Lasers." J. Lightwave Techn.**27**(22): 5099-5105.
746. Hong, Y. H., et al. (2008). Chaos Synchronisation in Unidirectionally Coupled VCSELs with Polarisation-Preserved and Polarisation-Selected Injection.
747. Hong, Y. H., et al. (2008). Chaotic Vertical-Cavity Surface-Emitting Laser for 1.4 GHz Message Transmission.
748. Hong, Y. H., et al. (2010). "Optimised Message Extraction in Laser Diode Based Optical Chaos Communications." Ieee J. Quant. Electr.**46**(2): 253-257.
749. Hong, Y. H., al. (2006). Anticorrelation polarization dynamics in VCSELs. Adv. Free-Space Opt. Commun. Techn. Ii. **6399**.
750. Hong, Y. H., et al. (2006). "Bias-current dependence of anticorrelation polarization dynamics in VCSELswith long external cavity." Appl. Phys. Lett.**89**(8).
751. Hong, Y. H., et al. (2006). "Optical feedback dependence of anticorrelation polarization dynamics in vertical-cavity surface-emitting lasers." J. Opt. Soc. Am. B **23**(11): 2285-2290.
752. Hong, Y. H., et al. (2006). Optical feedback dependence of anticorrelation polarization dynamics in vertical-cavity surface-emitting lasers. Opt. Transm. Sys. and Equip. for Networking V**6388**.
753. Hong, Y. H., et al. (2016). Complexity of Chaos in Three Cascaded Vertical-Cavity Surface-Emitting Lasers. Semiconduc. Lasers and Laser Dynamics Vii. **9892**.
754. Hong, Y. H. and K. A. Shore (2010). Power loss resilience and eavesdropper detection in optical chaos communications systems. Semiconduc. Lasers and Laser Dynamics Iv. **7720**.
755. Hong, Y. H. and K. A. Shore (2010). "Power Loss Resilience in Laser Diode-Based Optical Chaos Communications Systems." J. Lightwave Techn.**28**(3): 270-276.
756. Hong, Y. H., et al. (2012). "Enhancement of chaotic signal bandwidth in VCSELswith optical injection." J. Opt. Soc. Am. B **29**(3): 415-419.
757. Hong, Y. H., et al. (2012). "Flat Broadband Chaos in VCSELsSubject to Chaotic Optical Injection." Ieee J. Quant. Electr.**48**(12): 1536-1541.
758. Hong, Y. H., et al. (2014). "Wideband Chaos With Time-Delay Concealment in VCSELsWith Optical Feedback and Injection." Ieee J. Quant. Electr.**50**(4): 236-242.
759. Houlihan, J., et al. (2004). "Feedback induced polarisation switching in vertical cavity surface emitting lasers." Opt. Commun.**232**(1-6): 391-397.
760. Hu, J. J., et al. (2011). "Chaos synchronization and communication of the polarization modes for two unidirectionally coupled vertical-cavity surface-emitting lasers." Optik **122**(21): 1910-1913.
761. Hu, J. J. and J. S. Ma (2011). "Synchronization of polarization mode of two unidirectionally coupled vertical-cavity surface-emitting laser and its application in communication." Optik **122**(16): 1458-1461.
762. Huang, X. B., et al. (2010). "Polarization bistability characteristics of vertical-cavity surface-emiffing lasers with negative optoelectronic feedback subject to time-varying current." Acta Phys. Sinica **59**(5): 3066-3069.
763. Hurtado, A., et al. (2007). "Effects of parallel and orthogonal polarization on nonlinear optical characteristics of a 1550 nm VCSOA." Opt. Expr.**15**(14): 9084-9089.
764. Hurtado, A., et al. (2007). "Polarisation effects on the nonlinear optical characteristics of a 1.55 mu m vertical-cavity semiconductor optical amplifier." Iet Optoelectronics **1**(6): 272-276.
765. Hurtado, A., et al. (2008). "Two-wavelength switching with a 1550 nm VCSEL under single orthogonal optical injection." Ieee J. Sel. Top. Quant. Electr. **14**(3): 911-917.
766. Hurtado, A., et al. (2009). "Different forms of wavelength polarization switching and bistability in a 1.55 mu m vertical-cavity surface-emitting laser under orthogonally polarized optical injection." Opt. Lett. **34**(3): 365-367.
767. Hurtado, A., et al. (2009). "Polarisation effects on injection locking bandwidth of 1550 nm VCSEL." Electronics Lett. **45**(17): 886-U842.
768. Hurtado, A., et al. (2009). "Wavelength Polarization Switching and Bistability in a 1550-nm VCSEL Subject to Polarized Optical Injection." Phot. Techn. Lett. **21**(15): 1084-1086.
769. Hurtado, A., et al. (2012). Dynamics of Polarization Switching in 1550nm-VCSELs under single and double optical injection. Phys. Sim. Optoelectr. Dev. Xx. **8255**.
770. Hurtado, A., et al. (2008). Differences in the injection locking bandwidth in 1550nm-VCSELs subject to parallel and orthogonal optical injection.
771. Hurtado, A., et al. (2009). "Injection Locking Bandwidth in 1550-nm VCSELs Subject to Parallel and Orthogonal Optical Injection." Ieee J. Sel. Top. Quant. Electr. **15**(3): 585-593.

772. Hurtado, A., et al. (2009). "Power and wavelength polarization bistability with very wide hysteresis cycles in a 1550nm-VCSEL subject to orthogonal optical injection." Opt. Expr.**17**(26): 23637-23642.
773. Hurtado, A., et al. (2010). Experimental stability maps of a 1550nm-VCSEL subject to polarized optical injection. Phys. Sim. Optoelectr. Dev. Xviii. **7597**.
774. Jadan, M., et al. (2018). "Polarization switching mechanism in surface-emitting semiconductor lasers." Optik **158**: 118.
775. Jasim, F. Z., et al. (2009). "The effect of doping concentration on VCSEL performance." Optoelectr. Adv. Mat. **3**(1): 10-12.
776. Jasim, F. Z., et al. (2009). "Multiple Quantum Well of GaAs VCSEL structure." J. Optoelectr. Adv. Mat.**11**(11): 1723-1727.
777. Jasim, F. Z., et al. (2009). The Studies Of Doping Concentration Effects On VCSEL Laser. Nanoscience N.anotechnology. M. Rusop and T. Soga. **1136:** 243-247.
778. Javaloyes, J., et al. (2006). "Passive mode locking of lasers by crossed-polarization gain modulation." Phys. Rev.Lett. **97.**
779. Jayaprasath, E., et al. (2018). "Anticipation in the Polarization Chaos Synchronization of Uni-Directionally Coupled VCSELsWith Polarization-Preserved Optical Injection." Ieee Access **6**: 58482-58490.
780. Jayaprasath, E., et al. (2018). "Observation of additional delayed-time in chaos synchronization of uni-directionally coupled VCSELs." Chaos **28**(12).
781. Jeong, K. H., et al. (2008). "Optical injection-induced switching dynamics in 1.5 mu m wavelength single-mode vertical-cavity surface-emitting lasers." Phot. Techn. Lett. **20**(9-12): 779-781.
782. Ji, S. and Y. H. Hong (2017). "Effect of Bias Current on Complexity and Time Delay Signature of Chaos in Semiconductor Laser Time-Delayed Optical Feedback." Ieee J. Sel. Top. Quant. Electr. **23.**
783. Jiang, B., et al. (2016). "Polarization Switching Characteristics of 1550-nm VCSELsSubject to Double Polarization Pulsed Injection." Ieee J. Quant. Electr.**52**(11).
784. Jiang, M. and P. Ma (2009). "Coherence resonance induced by rewiring in networks." Chaos **19**(1).
785. Jiang, N., et al. (2011). "Influence of injection current on the synchronization and communication performance of closed-loop chaotic semiconductor lasers." Opt. Lett. **36**(16): 3197-3199.
786. Jiang, N., et al. (2009). "Two chaos synchronization schemes and public-channel message transmission in a mutually coupled semiconductor lasers system." Opt. Commun.**282**(11): 2217-2222.
787. Jiang, N., et al. (2017). "Secure key distribution based on chaos synchronization of VCSELs subject to symmetric random-polarization optical injection." Opt. Lett. **42**(6): 1055-1058.
788. Jiang, N., et al. (2017). Secure Chaos Communication with Semiconductor Lasers Subject to Sinusoidal Phase-Modulated Optical Feedback.
789. Jiao, X. M., et al. (2010). "Influences of orthogonal optical feedback on the polarization switching of multi-transverse-mode in VCSELssubject to orthogonal optical injection." Optoelectr. Adv. Mat. **4**(4): 592-595.
790. Jung, N., et al. (2020). Investigation of the polarization state in spin-VCSELs with thermally tuned birefringence. Semiconduc. Lasers and Laser Dynamics Ix. **11356**.
791. Ke, Q. (2013). Chaos Synchronization in Semiconductor Lasers. Advances in Applied Science and Industrial Technology, Pts 1 and 2. P. Xu, Y. Wang, Y. Su and L. Hao. **798-799:** 594-597.
792. Ke, Q. (2013). Numerical Simulation of Chaotic Laser Secure Communication. Advances in Applied Science and Industrial Technology, Pts 1 and 2. P. Xu, Y. Wang, Y. Su and L. Hao. **798-799:** 570-573.
793. Kelleher, B., et al. (2012). "Bounded phase phenomena in the optically injected laser." Phys. Rev.E **85**(4).
794. Khan, N. A., et al. (2012). "Temperature Dependent Dynamics in a 1550-nm VCSEL Subject to Polarized Optical Injection." Ieee J. Quant. Electr.**48**(5): 712-719.
795. Kingni, S. T., et al. (2012). "Nonl. Dyn. in VCSELs driven by a sinusoidally modulated current and Rossler oscillator." Eur. Phys. J. Plus **127**(5).
796. Kingni, S. T., et al. (2012). "Semiconductor lasers driven by self-sustained chaotic electronic oscillators and applications to optical chaos cryptography." Chaos **22**(3).
797. Lamothe, E., et al. (2012). Optical injection locking of polarization modes and spatial modes in single-aperture VCSELs emitting at 1.3 mu m. Proc. Semicond. Lasers and Laser Dynamics V.. **8432**.
798. Leng, Z. M., et al. (2009). "Optical millimeter-wave generation based on period-one oscillation in VCSELs subject to optical injection." Optoelectr. Adv. Mat. **3**(7): 644-649.
799. Li, L. F. (2010). Studying the VCSEL to VCSEL injection locking for enhanced chromatic dispersion compensation. Quantum N.onlinear Optics. Q. Gong, G. C. Guo and Y. R. Shen. **7846**.
800. Li, L. F. and J. J. Chen (2012). Chaos synchronization and communication in unidirectionally coupled VCSELs with fiber channel. Quantum N.onlinear Optics Ii. Q. Gong, G. C. Guo and Y. R. Shen. **8554**.
801. Li, L. L., et al. (2019). Bifurcation Analysis of Quantum-Dot Spin-VCSELs Subject to Optical Feedback. 2019 Ieee Int. Conf. Manipul., Manufac. and Meas. on Nanoscale53-57.
802. Li, N. Q., et al. (2012). "Numerical characterization of time delay signature in chaotic VCSELswith optical feedback." Opt. Commun.**285**(18): 3837-3848.
803. Li, S. S., et al. (2012). "Distributed Feedbacks for Time-Delay Signature Suppression of Chaos Generated From a Semiconductor Laser." Ieee Photonics J. **4**(5): 1930-1935.

804. Li, Y. Y., et al. (2010). "Spontaneous spiking in an Hodgkin-Huxley setup." Phys. Rev.E **82**(6).
805. Liao, J. F. and J. Q. Sun (2013). "Polarization dynamics and chaotic synchronization in unidirectionally coupled VCSELs subjected to optoelectronic feedback." Opt. Commun.**295**: 188-196.
806. Lin, H., et al. (2014). "Experimental Study of Time-Delay Signatures in VCSELsSubject to Double-Cavity Polarization-Rotated Optical Feedback." J. Lightwave Techn.**32**(9).
807. Lin, H., et al. (2010). "Polarization instabilities in a multi-transverse-mode vertical-cavity surface-emitting laser with polarized optical feedback." Opt. Commun.**283**(7): 1424-1433.
808. Lin, H., et al. (2008). "Polarization dynamics in a multi-transverse-mode vertical-cavity surface-emitting laser subject to optical feedback." Phys. Rev.A **77**(3).
809. Lin, H., et al. (2017). "Photonic microwave generation in multimode VCSELs subject to orthogonal optical injection." J. Opt. Soc. Am. B **34**(11): 2381-2389.
810. Lin, H., al. (2011). "Two-frequency injection on a multimode vertical-cavity surface-emitting laser." Opt. Expr.**19: 22437.**
811. Lin, H., et al. (2013). "Synchronization of chaotic outputs in multi-transverse-mode vertical-cavity surface-emitting lasers." Opt. Commun.**309**: 242-246.
812. Lin, H., et al. (2012). "Polarization dynamics of a multimode vertical-cavity surface-emitting laser subject to orthogonal optical injection." J. Opt. Soc. Am. B **29**(4): 867-873.
813. Lin, R. M., al. (2019). "New Type of Spectral Nonlinear Resonance Enhances Identification of Weak Signals." Sci. Rep. **9**.
814. Lingnau, B., et. (2020). "Dynamic signatures of mode competition in optically injected high-beta lasers." New J. Phys. 22.
815. Liu, J., et al. (2009). "Dual-channel chaos synchronization and communication based on unidirectionally coupled VCSELs with polarization-rotated optical feedback and polarization-rotated optical injection." Opt. Expr.**17**(15): 12619-12626.
816. Liu, Q. X., et al. (2015). "Chaotic randomness of mutually coupled vertical-cavity surface-emitting laser by optical injection." Acta Phys. Sinica **64.**
817. Liu, Y. Z., et al. (2017). "Exploiting Optical Chaos With Time-Delay Signature Suppression for Long-Distance Secure Communication." Ieee Photonics J. **9**(1).
818. Long, C. M., et al. (2016). "Polarization mode control of long-wavelength VCSELs by intracavity patterning." Opt. Expr.**24**(9): 9715-9722.
819. Long, C. M., et al. (2015). "Optical Injection and Lasing Dynamics in Long-Wavelength VCSELs With Intracavity Patterning." Ieee J. Sel. Top. Quant. Electr. **21**(6).
820. Long, C. M., et al. (2014). "Optical injection locking of transverse modes in 1.3-mu m wavelength coupled-VCSEL arrays." Opt. Expr.**22**(18): 21137-21144.
821. Loose, A., et al. (2009). "Tristability of a semiconductor laser due to time-delayed optical feedback." Phys. Rev.E **79**(3).
822. Lu, L., et al. (2012). "Effect of polarization properties on Doppler velocimetry with Vertical-Cavity Surface-Emitting lasers." Optik **123**(4): 329-332.
823. Lv, L., et al. (2005). Theoretical N.umerical analysis of polarization properties used as Doppler velocimetry in vertical-cavity surface-emitting lasers. Optoelectronic Devices and Integration, Pts 1 and 2. **5644:** 829-834.
824. Masoller, C., et al. (2011). "Bifurcation to square-wave switching in orthogonally delay-coupled semiconductor lasers: Theory and experiment." Phys. Rev.A **84**(2).
825. Mbe, J. H. T., et al. (2010). "Chaos and pulse in current-modulated VCSELs." Phys. Scripta **81**(3).
826. Mbe, J. T. and P. Woafo (2009). "Electronic model for VCSELs: Switching mode, control of threshold current and saturation." Opt. Commun.**282**(22): 4390-4396.
827. Misono, M. and K. Miyakawa (2011). "Noise-Induced Phase Locking and Frequency Mixing in an Optical Bistable System with Delayed Feedback." J. of the Physical Society of Japan **80**(11).
828. Misono, M., et al. (2009). "Coherence Resonance in a Schmitt-Trigger Inverter with Delayed Feedback." J. of the Physical Society of Japan **78.**
829. Mitani, S. M., et al. (2007). "Design and analysis of a GaAs-based 850-nm vertical-cavity surface-emitting laser with different doping in the reflection regions." J. Russian Laser Res. **28**(6): 610-618.
830. Mitani, S. M., et al. (2008). "On the characterization of a new type of oxide-confined 850 nm GaAs-based vertical-cavity surface-emitting laser." Optik **119**(8): 373-378.
831. Monifi, F., et al. (2016). "Optomechanically induced stochastic resonance and chaos transfer between optical fields." Nature Photonics **10**(6): 399-405.
832. Mori, T. and H. Kawaguchi (2007). "Dynamical lasing wavelength variation in polarization bistable switching of VCSELsby light injection." Japanese J. Appl. Phys. Part 2-Lett. & Express Lett. **46**(17-19): L433-L436.
833. Mu, P. H., et al. (2018). "Analysis and characterization of chaos generated by free-running and optically injected VCSELs." Opt. Expr.**26**(12): 15642-15655.
834. Nagler, B., et al. (2004). "Modulation frequency response of a bistable system with noise." Phys. Rev.E **70**(4).
835. Nazhan, S., et al. (2016). "Chaos synchronization in vertical-cavity surface-emitting laser based on rotated polarization-preserved optical feedback." Chaos **26**(1).
836. Nazhan, S., et al. (2016). "Harmonic distortion dependent on optical feedback, temperature and injection current in a

vertical cavity surface emitting laser." J. Phys. D **49**(14).
837. Nazhan, S., et al. (2015). Variable-Polarization Optical Feedback Induced High-Quality Polarization-Resolved Chaos Synchronization in VCSEL.
838. Nowakowski, B., et al. (2011). "Coherence resonances in excitable thermochemical systems induced by scaled reaction heat." Eur. Phys. J. B **84**(1): 137-145.
839. Okuno, Y. L., et al. (2005). "Stable polarization operation of 1.3-mu m wavelength vertical-cavity surface-emitting laser (VCSEL) fabricated by orientation-mismatched wafer bonding." Ieee J. Sel. Top. Quant. Electr. **11**(5): 1006-1014.
840. Osborne, S., et. (2009). "Antiphase dynamics in a multimode semiconductor laser with optical injection." Phys. Rev.A 79.
841. O'Shea, D., et al. (2014). "Experimental classification of dynamical regimes in optically injected lasers." Opt. Expr.**22**(18): 21701-21710.
842. Ostermann, J. M., et al. (2005). "Surface gratings for polarization control of singleand multi-mode oxide-confined vertical-cavity surface-emitting lasers." Opt. Commun.**246**(4-6): 511-519.
843. Otsuka, K. (2019). "High degree of chaos synchronization of a single pair of transverse modes with different polarizations in lasers subjected to self-mixing modulation." Osa Continuum **2**(12): 3447-3455.
844. Parekh, D., et al. (2008). "Greatly enhanced modulation response of injection-locked multimode VCSELs." Opt. Expr.**16**(26): 21582-21586.
845. Perez, P., et al. (2014). "Polarization dynamics induced by orthogonal optical injection close to the lasing mode of a single-transverse-mode VCSEL." J. Opt. Soc. Am. B **31**(11): 2901-2907.
846. Perez, P., et al. (2014). Dynamics of long-wavelength VCSELs subject to dual-beam optical injection. Proc. Semicond. Lasers and Laser Dynamics Vi. **9134**.
847. Perez, P., et al. (2011). Polarization-resolved Nonl. Dyn. in long-wavelength single-mode VCSELs subject to orthogonal optical injection. Phys. Sim. Optoelectr. Dev. Xix. **7933**.
848. Perez, P., et al. (2011). "Polarization-Resolved Nonl. Dyn. Induced by Orthogonal Optical Injection in Long-Wavelength VCSELs." Ieee J. Sel. Top. Quant. Electr. **17**(5): 1228-1235.
849. Perez, P., et al. (2015). "Photonic Generation of Microwave Signals Using a Single-Mode VCSEL Subject to Dual-Beam Orthogonal Optical Injection." Ieee Photonics J. **7**(1).
850. Perez, P., et al. (2012). Deterministic and stochastic dynamics of linear polarizations emitted by single-mode VCSELs subject to orthogonal injection. Proc. Semicond. Lasers and Laser Dynamics V.**8432**.
851. Perez, P. and A. Valle (2015). "Enhancement of Chaotic Signal Bandwidth in VCSELs Induced by Polarized Optical Injection." Ieee J. Quant. Electr.**51**(6).
852. Perez, P., et al. (2014). "Polarization-resolved characterization of long-wavelength vertical-cavity surface-emitting laser parameters." J. Opt. Soc. Am. B **31**(11): 2574-2580.
853. Pisarchik, A. N. and R. Jaimes-Reategui (2015). "Deterministic coherence resonance in coupled chaotic oscillators with frequency mismatch." Phys. Rev.E **92**(5).
854. Priyadarshi, S., et al. (2013). "Experimental Investigations of Time-Delay Signature Concealment in Chaotic External Cavity VCSELs Subject to Variable Optical Polarization Angle of Feedback." Ieee J. Sel. Top. Quant. Electr. **19**(4).
855. Prucnal, P. R., (2016). "Recent progress in semiconductor excitable lasers for photonic spike processing." Adv. Opt. Phot. **8**(2): 228-299.
856. Qader, A. A., et al. (2011). "Lasing Characteristics of VCSELs Subject to Circularly Polarized Optical Injection." J. Lightwave Techn.**29**(24): 3804-3809.
857. Qader, A. A., et al. (2013). "Robust Irreversible Polarization Switching in Optically Injected VCSELs." Phot. Techn. Lett. **25**(12): 1173-1176.
858. Quirce, A., et al. (2010). Polarization bistability in long-wavelength multitransverse-mode VCSELs induced by orthogonal optical injection. Semiconduc. Lasers and Laser Dynamics Iv. **7720**.
859. Quirce, A., et al. (2012). "Polarization Bistability Induced by Orthogonal Optical Injection in 1550-nm Multimode VCSELs." Ieee J. Sel. Top. Quant. Electr. **18**(2): 772-778.
860. Quirce, A., et al. (2019). "VCSEL-Based Optical Frequency Combs Expansion Induced by Polarized Optical Injection." Ieee J. Sel. Top. Quant. Electr. **25**(6).
861. Quirce, A., et al. (2012). Optical spectral analysis of the Nonl. Dyn. in long-wavelength single-mode VCSELs subject to orthogonal optical injection. Phys. Sim. Optoelectr. Dev. Xx. **8255**.
862. Quirce, A. and A. Valle (2012). "High-frequency microwave signal generation using multi-transverse mode VCSELs subject to two-frequency optical injection." Opt. Expr.**20**(12): 13390-13401.
863. Quirce, A., et al. (2010). Experimental study of relative intensity noise of multimode vertical-cavity surface-emitting lasers. Semiconduc. Lasers and Laser Dynamics Iv. **7720**.
864. Quirce, A., et al. (2011). "Intensity Noise Characteristics of Multimode VCSELs." J. Lightwave Techn.**29**(7): 1039-1045.
865. Quirce, A., et al. (2010). "Experimental Study of Transverse Mode Selection in VCSELs Induced by Parallel Polarized Optical Injection." Ieee J. Quant. Electr.**46**(4): 467-473.
866. Quirce, A., et al. (2012). High-frequency microwave signal generation using multi-transverse mode VCSELs subject to

dual-beam optical injection. 2012 23rd Ieee International Semiconductor Laser Conference**:** 137-138.
867. Quirce, A., et al. (2012). "Photonic generation of high-frequency microwave signals utilizing a multi-transverse-mode vertical-cavity surface-emitting laser subject to two-frequency orthogonal optical injection." J. Opt. Soc. Am. B **29**(12): 3259.
868. Quirce, A., et al. (2012). Polarization switching of transverse modes in VCSELs subject to two-frequency orthogonal optical injection. Proc. Semicond. Lasers and Laser Dynamics V.. **8432**.
869. Quirce, A., et al. (2009). "Very Wide Hysteresis Cycles in 1550-nm VCSELs Subject to Orthogonal Optical Injection." Phot. Techn. Lett. **21**(17): 1193-1195.
870. Quirce, A., et al. (2011). Transverse mode selection and injection locking in 1550-nm multimode VCSELs induced by optical injection. VCSELsXv. J. K. Guenter and C. Lei. **7952**.
871. Ran, C., et al. (2018). "Dual-channel physical random bits generation by a master-slave VCSELschaotic system." Laser Physics **28**(12).
872. Ran, C., et al. (2018). Dual-channel physical random bits generation using a vertical-cavity surface-emitting laser under dual-path polarization-preserved chaotic optical injection. Semiconductor Lasers and Applications Viii. N. H. Zhu and W. H. Hofmann. **10812**.
873. Rasheed, B. O., et al. (2017). "Exploring noise effects in chaotic optical networks." Results in Physics **7**: 1743-1750.
874. Reinoso, J. A., (2013). "Extreme intensity pulses in a semiconductor laser with a short external cavity." Phys. Rev.E 87.
875. Romanelli, M., et al. (2014). "Measuring the universal synchronization properties of driven oscillators across a Hopf instability." Opt. Expr.**22**(7): 7364-7373.
876. Salvide, M. F., et al. (2013). "All-Optical Stochastic Logic Gate Based on a VCSEL With Tunable Optical Injection." Ieee J. Quant. Electr.**49**(10): 886-893.
877. Salvide, M. F., et al. (2014). "Polarization Switching and Hysteresis in VCSELsSubject to Orthogonal Optical Injection." Ieee J. Quant. Electr.**50**(10): 848-853.
878. Salvide, M. F., et al. (2015). "Dynamics of Normal and Reverse Polarization Switching in 1550-nm VCSELs Under Single and Double Optical Injection." Ieee J. Sel. Top. Quant. Electr. **21**(6).
879. Salvide, M. F., et al. (2011). "Transverse Mode Selection and Bistability in VCSELsInduced by Parallel Polarized Optical Injection." Ieee J. Quant. Electr.**47**(5): 723-730.
880. Sattar, Z. A., et al. (2016). "Optical Injection Effects in Nanolasers." Ieee J. Quant. Electr.**52**(2).
881. Schlottmann, E., et al. (2016). "Injection Locking of Quantum-Dot Microlasers Operating in the Few-Photon Regime." Phys. Rev.Applied **6**(4).
882. Schlottmann, E., et al. (2019). "Stochastic polarization switching induced by optical injection in bimodal quantum-dot micropillar lasers." Opt. Expr.**27**(20): 28816-28831.
883. Sciamanna, M., et al. (2003). "Different regimes of low-frequency fluctuations in vertical-cavity surface-emitting lasers." J. Opt. Soc. Am. B **20**(1): 37-44.
884. Shao, R. H. and Y. Chen (2009). "Stochastic resonance in time-delayed bistable systems driven by weak periodic signal." Physica A **388**(6): 977-983.
885. Sondermann, M., et al. (2004). "Polarization switching to the gain disfavored mode in vertical-cavity surface-emitting lasers." Ieee J. Quant. Electr.**40**(2): 97-104.
886. Sondermann, M., et al. (2003). "Two-frequency emission and polarization dynamics at lasing threshold in vertical-cavity surface-emitting lasers." Phys. Rev.A **68**(3).
887. Soriano, M. C., et al. (2011). "Interplay of Current Noise and Delayed Optical Feedback on the Dynamics of Semiconductor Lasers." Ieee J. Quant. Electr.**47**(3): 368-374.
888. Soriano, M. C., et al. (2013). "Complex photonics: Dynamics and applications of delay-coupled semiconductors lasers." Reviews of Modern Physics **85**(1): 421-470.
889. Soriano, M. C., et al. (2006). The influence of current noise on polarization mode hopping in Vertical-Cavity Surface-Emitting Lasers. Semiconduc. Lasers and Laser Dynamics Ii. **6184**.
890. Soriano, M. C., et al. (2004). Single-mode low frequency fluctuations in vertical cavity surface emitting lasers with polarization-filtered feedback. Semiconduc. Lasers and Laser Dynamics. **5452:** 422-432.
891. Sun, B., et al. (2016). "Theoretical and experimental investigation on the narrow-linewidth photonic microwave generation based on parallel polarized optically injected 1550 nm vertical-cavity surface-emitting laser." Acta Phys. Sinica **65**(1).
892. Takeda, A., et al. (2012). "Dynamics and pulse-package oscillations in broad-area semiconductor lasers with short optical feedback." Appl. Phys. Lett.**101**(23).
893. Talla, J. H. and P. Woafo (2018). "Modulation of distributed feedback (DFB) laser diode with the autonomous Chua's circuit: Theory and experiment." Opt. Laser Techn. **100**: 145-152.
894. Tan, X. S., et al. (2019). "Parallel information processing by a reservoir computing system based on a VCSEL subject t o double optical feedback and optical injection." Opt. Expr.**27**(18): 26070-26079.
895. Tan, Y. D. and S. L. Zhang (2009). "Intensity modulation and multi modes hopping induced by phase change in external cavity Nd:YAG lasers." Opt. Commun.**282**(9): 1867-1870.
896. Tao, J. Y., et al. (2020). "Performance Enhancement of a Delay-Based Reservoir Computing System by Using Gradient

Boosting Technology." Ieee Access **8**: 151990-151996.
897. Tomida, S., et al. (2013). "Synchronization properties and effects of parameter mismatches in unidirectionally coupled chaotic vertical-cavity surface-emitting lasers." Optical Review **20**(4): 314-320.
898. Toomey, J. P., et al. (2012). Mapping transients in the Nonlinear Dynamics of injected VCSEL. Proc. Semicond. Lasers and Laser Dynamics V.. **8432**.
899. Toomey, J. P., et al. (2012). "Stability of the Nonlinear Dynamics of an optically injected VCSEL." Opt. Expr.**20.**
900. Torre, M., et al. (2011). "Polarization Switching in Long-Wavelength VCSELs Subject to Orthogonal Optical Injection." Ieee J. Quant. Electr.**47**(1): 92-99.
901. Torre, M. S., et al. (2002). "Transverse-mode dynamics in VCSELswith feedback." Phys. Rev.A **66.**
902. Torre, M. S., et al. (2010). "Wavelength-induced polarization bistability in 1550 nm VCSELs subject to orthogonal optical injection." J. Opt. Soc. Am. B **27**(12): 2542-2548.
903. Torre, M. S., et al. (2010). "Transverse Mode Selection in VCSELsWith Optical Injected Signal." Ieee J. Quant. Electr.**46**(1): 105-111.
904. Unold, H. J., et al. (2002). "Polarisation control in VCSELs by elliptic surface etching." Electronics Lett. **38**(2): 77-78.
905. Uy, C. (2017). "Non-local correlations via chaotic itinerancy in VCSEL with optical feedback." Opt. Expr.**25**(6): 6914.
906. Uy, C. (2018). "Sustained oscillations accompanying polarization switching in laser dynamics." Opt. Expr.**26**(13): 16917.
907. Valle, A., et al. (2007). "Transverse mode switching and locking in VCSELssubject to orthogonal optical injection." Ieee J. Quant. Electr.**43**(3-4): 322-333.
908. Valle, A., et al. (2008). Polarization bistability in 1.5 micron wavelength single-mode VCSELsinduced by orthogonal optical injection. Proc. Semicond. Lasers and Laser Dynamics Iii. **6997**.
909. Valle, A., et al. (2008). "Polarization bistability in 1550 nm wavelength single-mode VCSELssubject to orthogonal optical injection." Ieee J. Sel. Top. Quant. Electr. **14**(3): 895-902.
910. Valle, A., et al. (2008). "Analysis of the polarization dynamics in a multitransverse-mode vertical-cavity surface-emitting laser with isotropic optical feedback." Phys. Rev.A **78**(3).
911. Vaughan, M. P. and J. M. Rorison (2018). "Model expressions for the spin-orbit interaction and phonon-mediated spin dynamics in quantum dots." Semicond. Sci. Techn.**33**(1).
912. von Wurtemberg, R. M., et al. (2004). Fabrication and performance of 1.3-mu m vertical cavity surface emitting lasers with InGaAs quantum well active regions grown on GaAs substrates. Micro-Optics, Vcsels, Phot. Intercon.. **5453:** 229-239.
913. Wang, C. J., et al. (2014). "Time-Delay Enhanced Coherence Resonance in a Discrete Neuron with Noises." Chinese Physics Lett. **31**(8).
914. Wang, D., et al. (2017). "State bistability between pure- and mixed-mode states in a 1550 nm vertical-cavity surface-emitting laser subject to parallel optical injection." Japanese J. Appl. Phys. **56**(7).
915. Wang, D., et al. (2018). "Theoretical Investigation of State Bistability Between Pure- and Mixed-Mode States in a 1550-nm VCSEL Under Parallel Optical Injection." Ieee Access **6**: 19791-19797.
916. Wang, L., et a. (2015). "Long-haul dual-channel bidirectional chaos communication based on polarization-resolved chaos synchronization between twin 1550 nM VCSELs subject to variable-polarization optical injection." Opt. Commun.**334: 214.**
917. Wang, T. and G. L. Lippi (2015). "Polarization-resolved cartography of light emission of a vertical-cavity surface-emitting laser with high space and frequency resolution." Appl. Phys. Lett.**107**(18).
918. Wang, X. F., et al. (2009). "Theoretical investigations on the polarization performances of current-modulated VCSELs subject to weak optical feedback." J. Opt. Soc. Am. B **26**(1): 160-168.
919. Wang, X. H., et al. (2012). "Time Delay Induced Stochastic Resonance in One Species Competition Ecosystem without a Periodic Signal." Communications in Theoretical Physics **57**(4): 619-623.
920. Wang, X. H., et al. (2019). Synchronized random bit generation based on VCSELswith optical injection and polarization-rotated feedback. Semiconductor Lasers and Applications Ix. **11182**.
921. Wasiak, M. (2011). "Mathematical rigorous approach to simulate an over-threshold VCSEL operation." Physica E-Low-Dimensional Systems & Nanostructures **43**(8): 1439-1444.
922. Wu, H. B., et al. (2009). "Multiplicative noise-induced probability distributions in three-level atomic optical bistability." Phys. Rev.A **79**(2).
923. Wu, Y. H., et al. (2014). Critical slowing down in polarization switching of vertical-cavity surface-emitting lasers. Proc. Semicond. Lasers and Laser Dynamics Vi. **9134**.
924. Xia, G. Q., et al. (2013). NONL. DYN. OF 1550nm VCSELS UNDER EXTERNAL PERTURBATIONS.
925. Xiang, S. Y., et al. (2013). "Photonic Approach for Generating Randomness-Enhanced Physical Chaos Via Dual-Path Optically Injected VCSELs." Ieee J. Quant. Electr.**49**(3): 274-280.
926. Xiang, S. Y., et al. (2014). "Chaotic unpredictability properties of small network mutually-coupled laser diodes." Opt. Commun.**311**: 294-300.
927. Xiang, S. Y., et al. (2012). "Message Encoding/Decoding Using Unpredictability-Enhanced Chaotic VCSELs." Phot. Techn. Lett. **24**(15): 1267-1269.
928. Xiang, S. Y., et al. (2011). "Synchronization of Unpredictability-Enhanced Chaos in VCSELs With Variable-Polarization

Optical Feedback." Ieee J. Quant. Electr.**47**(10): 1354-1361.
929. Xiang, S. Y., et al. (2011). "Conceal time-delay signature of chaotic VCSELsby variable-polarization optical feedback." Opt. Commun.**284**(24): 5758-5765.
930. Xiang, S. Y., et al. (2011). "Unpredictability-Enhanced Chaotic VCSELsWith Variable-Polarization Optical Feedback." J. Lightwave Techn.**29**(14): 2173-2179.
931. Xiang, S. Y., et al. (2013). "Influence of Variable-Polarization Optical Feedback on Polarization Switching Properties of Mutually Coupled VCSELs." Ieee J. Sel. Top. Quant. Electr. **19**(4).
932. Xiang, S. Y., et al. (2012). "Enhanced chaotic communication in VCSELs with variable-polarization optical feedback and polarization-preserved optical injection." Opt. Commun.**285**(24): 5293-5301.
933. Xiang, S. Y., et al. (2010). "Using polarization properties to enhance performance of chaos synchronization communication between vertical-cavity lasers." Opt. Laser Techn. **42**(4): 674-681.
934. Xiang, S. Y., et al. (2010). "Polarization degree of VCSELssubject to optical feedback with controllable polarization." J. Opt. Soc. Am. B **27**(3): 476-483.
935. Xiang, S. Y., et al. (2009). "Polarization properties of VCSELssubject to feedback with variably rotated polarization angle." Appl. Opt. **48**(27): 5176-5183.
936. Xiang, S. Y., et al. (2010). "Variable-polarization optical feedback induced hysteresis of the polarization switching in vertical-cavity surface-emitting lasers." J. Opt. Soc. Am. B **27**(12): 2512-2517.
937. Xiang, S. Y., et al. (2011). "Influence of polarization mode competition on chaotic unpredictability of VCSELswith polarization-rotated optical feedback." Opt. Lett. **36**(3): 310-312.
938. Xiang, S. Y., et al. (2011). "Quantifying Chaotic Unpredictability of VCSELsWith Polarized Optical Feedback via Permutation Entropy." Ieee J. Sel. Top. Quant. Electr. **17**(5): 1212-1219.
939. Xiang, S. Y., et al. (2011). "Impact of unpredictability on chaos synchronization of VCSELswith variable-polarization optical feedback." Opt. Lett. **36**(17): 3497-3499.
940. Xiao, P., et al. (2013). "Time-delay signature concealment of chaotic output in a vertical-cavity surface-emitting laser with double variable-polarization optical feedback." Opt. Commun.**286**: 339-343.
941. Xiao, T. J. (2016). "Heat dissipation and information flow for delayed bistable Langevin systems near coherence resonance." Phys. Rev.E **94**(5).
942. Xiao, Y., et al. (2012). "Chaos synchronization between arbitrary two response VCSELs in a broadband chaos driven by a bandwidth-enhanced chaotic signal." Opt. Commun.**285**(6): 1442.
943. Xie, Y. Y., et al. (2014). "Dynamics of 1550-nm VCSELs With Positive Optoelectronic Feedback: Theory and Experiments." Ieee Photonics J. **6**(6).
944. Xie, Y. Y., et al. (2013). "Nonl. Dyn. of 1550-nm VCSELs Subject to Positive Optoelectronic Feedback." Phot. Techn. Lett. **25**(16): 1605-1608.
945. Xu, K., et al. (2019). "Two-dimensional Beam Steering in Coherently Coupled Vertical Cavity Surface Emitting Laser Arrays." Acta Photonica Sinica **48.**
946. Xu, M. F., et al. (2018). "Cluster synchronization in symmetric VCSELs networks with variable-polarization optical feedback." Opt. Expr.**26**(8): 10754-10761.
947. Yan, S. L. (2009). "Bifurcation and locking in an multi-quantum-well laser subjected to external injection." Opt. Commun.**282**(17): 3558-3564.
948. Yang, B. X., et al. (2009). "Polarization switching performance of VCSEL subjected to optical pulse injection." Acta Phys. Sinica **58**(3): 1480-1483.
949. Yang, F., et al. (2016). "Generations of multi-channel high-quality chaotic signals based on a ring system composed of polarization rotated coupled 1550 nm vertical-cavity surface-emitting lasers." Acta Phys. Sinica **65**(19).
950. Yao, X. J., et al. (2018). "Multi-channel physical random number generation based on two orthogonally mutually coupled 1550 nm vertical-cavity surface-emitting lasers." Acta Phys. Sinica **67**(2).
951. Yen, T. C., et al. (2010). Widely continuous-tuning single-wavelength laser based on commercial multimode VCSELs. 6th International Symposium on Precision Engineering Measurements and Instrumentation. J. Tan and X. Wen. **7544**.
952. Yu, Y. T., et al. (2015). "The Influences of Boundary Shapes on Polarization Characteristics and Lasing Modes in Broad-Area VCSELsWith Cryogenic Detuning: Regular Versus Chaotic Cavities." Ieee J. Sel. Top. Quant. Electr. **21**(6): 1-6.
953. Zeng, C. H., et al. (2009). "THE RELAXATION TIME OF A BISTABLE SYSTEM WITH TWO DIFFERENT KINDS OF TIME DELAYS." Modern Physics Lett. B **23**(18): 2281-2292.
954. Zeng, C. H., et al. (2010). "Effect of time delay in FitzHugh-Nagumo neural model with correlations between multiplicative and additive noises." Physica A **389**(22): 5117-5127.
955. Zeng, C. H., et al. (2009). "Dynamical properties of a mutualism system in the presence of noise and time delay." Brazilian J. of Physics **39**(2): 256-259.
956. Zeng, C. H., et al. (2009). "Effects of time delay on the statistical fluctuations for a bistable system driven by cross-correlated noises." Central European J. of Physics **7**(3): 534-540.
957. Zhang, C. N., et al. (2017). "Impact of time delay in a stochastic gene regulation network." Chaos Solitons & Fractals **96**:

120-129.
958. Zhang, H., et al. (2017). "Complexity-enhanced polarization-resolved chaos in a ring network of mutually coupled VCSELswith multiple delays." Appl. Opt. **56**(24): 6728-6734.
959. Zhang, T., et al. (2021). "Experimental Observation of Dynamic-State Switching in VCSELs With Optical Feedback." Phot. Techn. Lett. **33**(7): 335-338.
960. Zhang, W. L., et al. (2007). "Influence of polarization-selected mutual injection on the polarization-switching dynamics of vertical-cavity surface-emitting lasers." J. Opt. Soc. Am. B **24**(9): 2472-2478.
961. Zhang, W. L., et al. (2007). "Polarization switching of mutually coupled vertical-cavity surface-emitting lasers." J. Opt. Soc. Am. B **24**(6): 1276-1282.
962. Zhang, W. L., et al. (2008). "Polarization-resolved dynamics of asymmetrically coupled vertical-cavity surface-emitting lasers." J. Opt. Soc. Am. B **25**(2): 153-158.
963. Zhang, W. L., et al. (2007). "Theoretical study on polarization dynamics of VCSELs with negative optoelectronic feedback." Appl. Opt. **46**(29): 7262-7266.
964. Zhang, W. L., et al. (2008). "Polarization switching and hysteresis of VCSELs with time-varying optical injection." Ieee J. Sel. Top. Quant. Electr. **14**(3): 889-894.
965. Zhang, W. L., et al. (2006). "Polarization dynamics of VCSELswith feedback." Opt. Eng. **45**(11).
966. Zhang, Y. H., et al. (2018). "Polarization-resolved and polarization-multiplexed spike encoding properties in photonic neuron based on VCSEL-SA." Sci. Rep. **8**.
967. Zhao, H., et al. (2016). "Wavelength bistability based on optical injection in a novel tunable dual mode laser." Opt. Expr.**24**(4): 3817-3831.
968. Zhao, Y. P., et al. (2007). "Period doubling in a Fabry-Perot laser diode subject to optical pulse injection." Chinese Physics Lett. **24**(7): 1949-1952.
969. Zhong, D. Z., et al. (2015). "Manipulation of the polarization switching and the nonlinear dynamic behaviors of the vertical-cavity surface-emitting laser subjected to optical injection by EO modulation." Acta Phys. Sinica **64**(11).
970. Zhong, D. Z. and Z. M. Wu (2009). "Complete chaotic synchronization mechanism of polarization mode of VCSEL with anisotropic optical feedback." Opt. Commun.**282**(8): 1631-1639.
971. Zhong, D. Z., et al. (2017). "Real-time multi-target ranging based on chaotic polarization laser radars in the driveresponse VCSELs." Opt. Expr.**25**(18): 21684-21704.
972. Zhong, G. Y., et al. (2019). "Coherence resonance-like of financial market." Physica A **534**.
973. Zhong, G. Y., et. (2019). "Coherence and anti-coherence resonance of corporation finance." Chaos Sol. & Fract118: 376.
974. Zhong, Z. Q., et al. (2015). "Polarization-resolved time-delay signatures of chaos induced by FBG-feedback in VCSEL." Opt. Expr.**23**(12): 15459-15468.
975. Zhong, Z. Q., et al. (2013). "Time-Delay Signature Suppression of Polarization-Resolved Chaos Outputs from Two Mutually Coupled VCSELs." Ieee Photonics J. **5**(2).
976. Zhou, L., et al. (2015). "Time-delay signature concealment of polarization-resolved chaos outputs in VCSELswith variable-polarization filtered optical feedback." Chinese Opt. Lett. **13**(9).
977. Zhuang, J. P. and S. C. Chan (2015). "Phase noise characteristics of microwave signals generated by semiconductor laser dynamics." Opt. Expr.**23**(3): 2777-2797.
978. K. Postava, et al. (2015). Modeling of anisotropic grating structures with active dipole layers. Integrated Optics: Physics and Simulations Ii. **9516**.
979. Ackemann, T., et al. (2009). Fundamentals and Applications of Spatial Dissipative Solitons in Photonic Devices. Advances in Atomic, Molecular, and Optical Physics, Vol 57. E. Arimondo, P. R. Berman and C. C. Lin. **57:** 323-421.
980. Adams, M., et al. (2018). "Algebraic expressions for the polarisation response of spin-VCSELs." Semicond. Sci. Techn.**33.**
981. Adams, M. J. , D. Alexandropoulos (2009). "Parametric Analysis of Spin-Polarized VCSELs." Ieee J. Quant. Electr.45: 744.
982. Adato, R. and J. P. Guo (2009). "Modification of dispersion, localization, and attenuation of thin metal stripe symmetric surface plasmon-polariton modes by thin dielectric layers." J. Appl. Phys. **105**(3).
983. Ahmed, W. W., et al. (2019). "Regularization of vertical-cavity surface-emitting laser emission by periodic non-Hermitian potentials." Opt. Lett. **44**(16): 3948-3951.
984. Al Naimee, K., et al. (2008). "Noise effects in intrinsic laser polarization switching." Phys. Rev.A **77**(6).
985. Alfimov, M. V. and A. M. Zheltikov (2007). "The figure of merit of a photonic-crystal fiber beam delivery and response-signal collection for nanoparticle-assisted sensor arrays." Laser Physics Lett. **4**(5): 363-367.
986. Alharthi, S. S., et al. (2014). "Control of emitted light polarization in a 1310 nm dilute nitride spin-vertical cavity laser subject to circularly polarized optical injection." Appl. Phys. Lett.**105**(18).
987. Alharthi, S. S., et al. (2015). "Circular polarization switching and bistability in an optically injected 1300 nm spin-vertical cavity surface emitting laser." Appl. Phys. Lett.**106**(2).
988. Alias, M. S. and S. Shaari (2010). "Loss Analysis of High Order Modes in Photonic Crystal Vertical-Cavity Surface-Emitting Lasers." J. Lightwave Techn.**28**(10): 1556-1563.
989. Alias, M. S. and S. Shaari (2011). "Analysis of single-mode condition and high-order modes discrimination in photonic

crystal VCSEL." Appl. Phys. B **103**(4): 889-896.
990. Alrawashdeh, M. M. A., et al. (2019). Modeling of operation regimes in coupled-cavity surface-emitting laser with external photon injection. Optical Fibers and Their Applications 2018. R. S. Romaniuk, W. Wojcik and A. Smolarz. **11045**.
991. Al-Seyab, R., (2013). "Dynamics of VCSELs Subject to Optical Injection of Arbitrary Polarization." Ieee J. Sel. Top. Quant. Electr. **19**(4).
992. Al-Seyab, R., (2010). Novel theory and experiments on dynamics of polarised optical injection in long-wavelength VCSELs.
993. Al-Seyab, R., (2011). "Dynamics of Polarized Optical Injection in 1550-nm VCSELs: Theory and Experiments." Ieee J. Sel. Top. Quant. Electr. **17**(5): 1242-1249.
994. Al-Seyab, R. K., et al. (2015). "Dynamics and polarization of conventional and spin-VCSELs in the presence of an axial magnetic field." J. Opt. Soc. (4): 683-691.
995. Alvarez-Socorro, A. J., et al. (2018). "Spontaneous motion of localized structures induced by parity symmetry breaking transition." Chaos **28**(5).
996. Andrade-Fonseca, L. and H. E. Hernandez-Figueroa (2018). "Full-Wave Interior Penalty Discontinuous Galerkin Method for Waveguide Analysis." J. Lightwave Techn.**36**(22): 5168-5176.
997. Ankiewicz, A., et al. (2018). "Rogue waves under influence of Raman delay." J. Opt. Soc. Am. B **35**(4): 899-908.
998. Anttu, N., et al. (2020). "Comparison of absorption simulation in semiconductor nanowire N.anocone arrays with the Fourier modal method, the finite element method, and the finite-difference time-domain method." Nano Express **1**(3).
999. Aragoneses, A., et al. (2014). "Experimental N.umerical study of the symbolic dynamics of a modulated external-cavity semiconductor laser." Opt. Expr.**22**(4): 4705-4713.
1000. Arahata, M. and A. Uchida (2015). "Inphase and Antiphase Dynamics of Spatially-Resolved Light Intensities Emitted by a Chaotic Broad-Area Semiconductor Laser." Ieee J. Sel. Top. Quant. Electr. **21**(6).
1001. Armaroli, A., et al. (2008). "Three-dimensional analysis of cylindrical microresonators based on the aperiodic Fourier modal method." J. Opt. Soc. Am. A**25**(3): 667-675.
1002. Artundo, I., et al. (2006). Selective optical broadcasting in reconfigurable multiprocessor interconnects. Micro-Optics, Vcsels, Phot. Intercon. Ii: Fabrication, Packaging, and Integration. H. Thienpont, M. R. Taghizadeh, P. Daele and J. Mohr. **6185**.
1003. Artundo, I., et al. (2006). "Selective optical broadcast component for reconfigurable multiprocessor, interconnects." Ieee J. Sel. Top. Quant. Electr. **12**(4): 828-837.
1004. Azzam, S. I. H., et al. (2014). Novel Symmetric Hierarchical Mixed Finite Element Analysis for Nanophotonic Devices. 2014 31st National Radio Science Conference. I. Hafez, M. Abouelatta, A. Safwat and B. Abdelhamid**:** 341-348.
1005. Baghbadorani, H. K., et al. (2018). "Guided modes in photonic crystal slabs supporting Bloch surface waves." J. Opt. Soc. Am. B **35**(4): 805-810.
1006. Bahloul, L., et al. (2014). Temporal localized structures in a photonic crystal fiber resonator. Nonlinear Optics and Its Applications Viii; and Quantum Optics Iii. **9136**.
1007. Barve, A. V., et al. (2012). "Ultrafast polarization modulation in vertical cavity surface emitting lasers with frequency dependent current injection." Appl. Phys. Lett.**101**(25).
1008. Barve, A. V., et al. (2013). "Fast, electrically controlled polarization modulation of multimode VCSELsby RF frequency modulation." Opt. Expr.**21**(25): 31092-31097.
1009. Bauters, J. F., et al. (2011). "Planar waveguides with less than 0.1 dB/m propagation loss fabricated with wafer bonding." Opt. Expr.**19**(24): 24090-24101.
1010. Bednyakova, A. E., et al. (2013). "Generation dynamics of the narrowband Yb-doped fiber laser." Opt. Expr.**21**(7): 8177.
1011. Benson, T. M., et al. (2007). Challenges for integrated optics design and simulation. Photonics North 2007, Pts 1 **6796**.
1012. Berghmans, F., et al. (2011). Photonic crystal fiber Bragg grating based sensors - opportunities for applications in healthcare. Optical Sensors and Biophotonics Iii. **8311**.
1013. Berghmans, F., et al. (2012). Photonic crystal fiber Bragg grating based sensors - opportunities for applications in healthcare. 2011 Asia Communications and Photonics Conference and Exhibition.
1014. Beri, S., et al. (2010). Theoretical and experimental investigation of mode-hopping in semiconductor ring lasers. Semiconduc. Lasers and Laser Dynamics Iv. **7720**.
1015. Beri, S., et al. (2008). "Topological insight into the non-Arrhenius mode hopping of semiconductor ring lasers." Phys. Rev.Lett. **101**(9).
1016. Beri, S., et (2009). “Asymptotic approach to the analysis of mode-hopping in semiconductor ring lasers.” Phys. Rev.A 80.
1017. Besbes, M., et al. (2007). "Numerical analysis of a slit-groove diffraction problem." J. of the European Optical Society-Rapid Publications **2**.
1018. Blaha, S., et al. (2016). Self-organized light bullets in type-I intracavity second harmonic generation. Semiconduc. Lasers and Laser Dynamics Vii. **9892**.
1019. Bobrov, M. A., et al. (2016). Mechanism of the polarization control in intracavity-contacted VCSEL with rhomboidal oxide current aperture. 3rd Int. School and Conf. Optoelectr., Phot., Eng. Nanostructures. **741**.
1020. Bonatto, C. (2018). "Hyperchaotic Dynamics for Light in a Laser Diode." Phys. Rev.Lett. **120**(16).

1021. Bosman, E., et al. (2013). Assembly of Optoelectronics for Efficient Chip-to-Waveguide Coupling.
1022. Bosman, E., et al. (2014). Polymer integration of optoelectronic devices in on-board and board-to-board optical communication systems. Optical Interconnects Xiv. **8991**.
1023. Bougot-Robin, K., et al. (2015). "Broad working bandwidth and "endlessly" single-mode guidance within hybrid silicon photonics." Opt. Lett. **40**(15): 3512-3515.
1024. Brunner, D., et (2015). "Experimental Phase-Space Tomography of Semiconductor Laser Dynamics." Phys. Rev.Lett. 115.
1025. Buczynski, R., (2011). "Supercontinuum generation in photonic crystal fibers with nanoporous core made of soft glass." Laser Physics Lett. **8**(6): 443-448.
1026. Burak, D., et al. (2000). "Macroscopic versus microscopic description of polarization properties of optically anisotropic vertical-cavity surface-emitting lasers." Ieee J. Quant. Electr.**36**(8): 956-970.
1027. Casal, B., et al. (2006). Transverse mode selection and dynamic behaviour of VCSELssubject to optical injection. Semiconduc. Lasers and Laser Dynamics Ii. **6184**.
1028. Cemlyn, B., et al. (2018). "Near-threshold high spin amplification in a 1300 nm GaInNAs spin laser." Semicond. Sci. Techn.**33**(9).
1029. Cemlyn, B. R., (2019). "Polarization Responses of a Solitary and Optically Injected Vertical Cavity Spin Laser." Ieee J. Quant. Electr.**55**(6).
1030. Chan, H. N. and K. W. Chow (2018). "Numerical Investigation of the Dynamics of 'Hot Spots' as Models of Dissipative Rogue Waves." Appl. Sci.-Basel **8**(8).
1031. Chang, Y. S. and F. Y. Lin (2008). Nonl. Dyn. of a vertical-cavity surface-emitting laser subject to a repetitive optical pulse injection. Proc. Semicond. Lasers and Laser Dynamics Iii. **6997**.
1032. Chen, H. X. and G. W. Schinn (2005). "Single polarization, single transverse mode, and widely tunable narrow-linewidth laser from a multimode vertical cavity surface-emitting laser by use of a coupled cavity." Opt. Lett. **30**(9): 1006-1008.
1033. Chen, J., et al. (2016). "Investigations on the polarization switching and bistability in a 1550 nm vertical-cavity surface-emitting laser under optical injection." Acta Phys. Sinica **65**(16).
1034. Chen, J. J., et al. (2017). "Current- and Feedback-Induced State Bistability in a 1550 nm-VCSEL With Negative Optoelectronic Feedback." Ieee Photonics J. **9**(1).
1035. Chen, J. J., et al. (2015). "Generation of polarization-resolved wideband unpredictability-enhanced chaotic signals based on VCSELssubject to chaotic optical injection." Opt. Expr.**23**(6): 7173-7183.
1036. Chen, J. J., et al. (2014). Nonl. Dyn. of polarization switching of a 1550 nm vertical-cavity surface-emitting laser under orthogonal optical injection. Semiconductor Lasers and Applications Vi. **9267**.
1037. Chen, J. J., et al. (2015). "Power-induced polarization switching and bistability characteristics in 1550-nm VCSELs subjected to orthogonal optical injection." Chinese Physics B **24**(2).
1038. Chen, W. X., et al. (2012). "Polarization modulation in single-frequency He-Ne laser with an anisotropy feedback cavity." Chinese Opt. Lett. **10**(5).
1039. Chen, W. X., et al. (2013). "Polarisation control through an optical feedback technique and its application in precise measurements." Sci. Rep. **3**.
1040. Chen, W. X., et al. (2012). "Semi-classical theory and experimental research for polarization flipping in a single frequency laser with feedback effect." Chinese Physics B **21**(9).
1041. Chen, X., et al. (2016). "Experimental investigations on the dynamical characteristics of pulse packages in a monolithically integrated amplified feedback laser." Acta Phys. Sinica **65**(21).
1042. Cheng, D. L., et al. (2007). "Polarization mode-hopping suppression and performance enhancement by optical feedback in a current-driven polarization switching VCSEL." Phot. Techn. Lett. **19**(21-24): 1961-1963.
1043. Chizhevsky, V. N. (2018). "Dynamics of a Bistable VCSEL Subject to Optical Feedback From a Vibrating Rough Surface." Ieee J. Quant. Electr.**54**(6).
1044. Chizhevsky, V. N. and S. A. Kovalenko (2019). "Suppression of Multistability in a Multimode VCSEL by Isotropic Optical Feedback." Ieee J. Quant. Electr.**55**(5).
1045. Clerc, M. G., et al. (2020). "Nonlocal Raman response in Kerr resonators: Moving temporal localized structures and bifurcation structure." Chaos **30**(8).
1046. Clerc, M. G., et al. (2020). "Time-delayed nonlocal response inducing traveling temporal localized structures." Phys. Rev.Research **2**(1).
1047. Craggs, G. M. J., et al. (2010). Speckle characteristics of a laser projector using nonmodal laser emission of a semiconductor laser. Speckle 2010: Optical Metrology. **7387**.
1048. Craggs, G. M. J., et al. (2010). Low-speckle laser projection using farfield nonmodal emission of a broad-area vertical-cavity surface-emitting laser. Semiconduc. Lasers and Laser Dynamics Iv. **7720**.
1049. Curtin, D., et al. (2004). Bistable systems with noise and delay. Semiconduc. Lasers and Laser Dynamics. **5452:** 636-644.
1050. Dai, D. X. and Z. Sheng (2007). "Numerical analysis of silicon-on-insulator ridge nanowires by using a full-vectorial finite difference method mode solver." J. Opt. Soc. Am. B **24**(11): 2853-2859.
1051. Dal Bosco, A. K., et al. (2016). "Photonic integrated circuits unveil crisis-induced intermittency." Opt. Expr.**24**(19): 22198.

1052. Dal Bosco, A. K., et al. (2015). "Cycles of self-pulsations in a photonic circuit." Phys. Rev.E **92**(6).
1053. Dal Bosco, A. K., et al. (2017). "Dynamics Versus Feedback Delay Time in Photonic Integrated Circuits: Mapping the Short Cavity Regime." Ieee Photonics J. **9**(2).
1054. Damodarakurup, S., et al. (2019). "Long-time dynamics of a vertical-cavity surface-emitting laser under optical feedback." Pramana-J. of Physics **92**(4).
1055. de Lasson, J. R., (2013). "Three-dimensional integral equation approach to light scattering, extinction cross sections, density of states, and quasi-normal modes." J. Opt. Soc. Am. B **30**(7): 1996.
1056. Debemardi, P., et al. (2007). "Theoretical-experimental study of the vectorial modal properties of polarization-stable multimode grating VCSELs." Ieee J. Sel. Top. Quant. Electr. **13**(5): 1340-1348.
1057. Debernardi, P., et al. (2005). "Reliable polarization control of VCSELs through monolithically integrated surface gratings: A comparative theoretical and experimental study." Ieee J. Sel. Top. Quant. Electr. **11**(1): 107-116.
1058. Debernardi, P., et al. (2003). "Single-mode, single-polarization VCSELs via elliptical surface etching: Experiments and theory." Ieee J. Sel. Top. Quant. Electr. **9**(5): 1394-1405.
1059. Degli-Eredi, I., et al. (2014). Opportunities for Raman wavelength conversion with silicon micro disks. Nonlinear Optics and Its Applications Viii; and Quantum Optics Iii. **9136**.
1060. Degli-Eredi, I., et al. (2014). "Raman Stokes/Anti-Stokes Wavelength Conversion in "Automatically" Quasi-Phase-Matched Silicon Microdisk Resonators." J. Lightwave Techn.**32**(17).
1061. Deng, T., et al. (2015). "Two-Mode Coexistence in 1550-nm VCSELs With Optical Feedback." Phot. Techn. Lett. **27: 2075.**
1062. des Francs, G. et al. (2011). "Mode solvers for very thin long-range plasmonic waveguides." Opt. Quant. Electr. 42: 557.
1063. Dong, B. Z., et al. (2021). "Dynamic N.onlinear properties of epitaxial quantum-dot lasers on silicon operating under longand short-cavity feedback conditions for photonic integrated circuits." Phys. Rev.A **103**(3).
1064. Dong, J. X., et al. (2021). "Stable-unstable switching dynamics in semiconductor lasers with external cavities." Phys. Rev. A **103**.
1065. Dong, J. X., et al. (2017). "Tunable switching between stable and periodic states in a semiconductor laser with feedback." Opt. Lett. **42**(21): 4291-4294.
1066. Dong, X. H., et al. (2018). "Stochastic delayed kinetics of foraging colony system under non-Gaussian noise." Chaos Solitons & Fractals **112**: 1-13.
1067. Dostart, N., et al. (2017). "Acoustic Waveguide Eigenmode Solver Based on a Staggered-Grid Finite-Difference Method." Sci. Rep. **7**.
1068. El-Amraoui, M., et al. (2010). "Strong infrared spectral broadening in low-loss As-S chalcogenide suspended core microstructured optical fibers." Opt. Expr.**18**(5): 4547-4556.
1069. Elmogi, A., et al. (2016). "Comparison of epoxy- and siloxane-based single-mode optical waveguides defined by direct-write lithography." Opt. Mater. **52**: 26-31.
1070. Erneux, T., et al. (2017). "Introduction to Focus Issue: Time-delay dynamics." Chaos **27**(11).
1071. Erzgraber, H., et al. (2006). "Frequency versus relaxation oscillations in a semiconductor laser with coherent filtered optical feedback." Phys. Rev.E **73**(5).
1072. Erzgraber, H., et al. (2007). "Feedback phase sensitivity of a semiconductor laser subject to filtered optical feedback: Experiment and theory." Phys. Rev.E **76**(2).
1073. Eslami, M., et al. (2017). "Ultra low-energy switch based on a cavity soliton laser with pump modulation." J. Opt. **19**(1).
1074. Eslami, M. and R. Kheradmand (2014). "High bit- rate cavity soliton- based differential phase- shift- keying demodulator." J. Mod. Opt. **61**(2): 116-121.
1075. Eslami, M., et al. (2015). "Twin laser cavity solitons in a VCSEL with saturable absorber." Eur. Phys. J. D **69**(9).
1076. Eti, N. and H. Kurt (2016). "Model Analysis of Ridge and Rib Types of Silicon Waveguides With Void Compositions." Ieee J. Quant. Electr.**52**(10).
1077. Fang, X. H., et al. (2012). "Multiwatt octave-spanning supercontinuum generation in multicore photonic-crystal fiber." Opt. Lett. **37**(12): 2292-2294.
1078. Fei, L. G., et al. (2005). "Polarization control in a He-Ne laser using birefringence feedback." Opt. Expr.**13**(8): 3117-3122.
1079. Fei, L. G., et al. (2004). "Influence of optical feedback from birefringence external cavity on intensity tuning and polarization of laser." Chinese Physics Lett. **21**(10): 1944-1947.
1080. Feigel, B., et al. (2016). "Design of infrared and ultraviolet Raman lasers based on grating-coupled integrated diamond ring resonators." J. Opt. Soc. Am. B **33**(3): B5-B18.
1081. Feigel, B., et al. (2016). Modeling and design of infrared and ultraviolet integrated diamond ring Raman lasers. Nonlinear Optics and Its Applications Iv. **9894**.
1082. Fernandez-Oto, C., et al. (2014). Strong nonlocal interaction stabilizes cavity solitons with a varying size plateau. Nonlinear Optics and Its Applications Viii; and Quantum Optics Iii. **9136**.
1083. Ferre, M. A., et al. (2017). "Localized structures and spatiotemporal chaos: comparison between the driven damped sine-Gordon and the Lugiato-Lefever model." Eur. Phys. J. D **71**(6).
1084. Foutse, M., et al. (2015). "Edge-emitting semiconductor laser driven by a van der Pol oscillator: analytical N.umerical

analysis." Opt. Quant. Electr. **47**(3): 705-720.
1085. Frank, T. D., et al. (2005). "Time series analysis of multivariate time-delayed systems with noise: Applications to laser physics and human movement." Stochastics and Dynamics **5**(2): 297-306.
1086. Friart, G., (2015). "Analytical stability boundaries of an injected two-polarization semiconductor laser." Phys. Rev.E 91.
1087. Fu, X. Q., et al. (2018). "Image Encryption-Then-Transmission Using DNA Encryption Algorithm and The Double Chaos." Ieee Photonics J. **10**(3).
1088. Garcia-Vellisca, M. A., et al. (2016). "Experimental evidence of deterministic coherence resonance in coupled chaotic systems with frequency mismatch." Phys. Rev.E **94**(1).
1089. Gavrilov, S. S. (2020). "Nonequilibrium transitions, chaos, and chimera states in exciton-polariton systems." Physics-Uspekhi **63**(2): 123-144.
1090. Gelens, L., et al. (2010). Analysis of multistability in semiconductor ring lasers. Semiconduc. Lasers Laser Dyn. Iv. **7720**.
1091. Gelens, L., et al. (2009). "Phase-space approach to directional switching in semiconductor ring lasers." Phys. Rev.E **79**(1).
1092. Ghoneim, M., et al. (2014). CMOS Compatible Generic Batch Process Towards Flexible Memory On Bulk Monocrystalline Silicon (100).
1093. Giagka, V., et al. (2014). Controlled Silicon IC Thinning on Individual Die Level for Active Implant Integration Using a Purely Mechanical Process. 2014 Ieee 64th Electronic Components and Technology Conference**:** 2213-2219.
1094. Gomel, A., et al. (2019). "Extreme Events in Lasers with Modulation of the Field Polarization." Advances in Condensed Matter Physics **2019**.
1095. Gopalakrishnan, S. S., et al. (2021). "Dissipative Light Bullets in Kerr Cavities: Multistability, Clustering, and Rogue Waves." Phys. Rev.Lett. **126**(15).
1096. Grasso, D. M. and K. D. Choquette (2003). "Polarization switching in composite-resonator vertical-cavity lasers." Appl. Phys. Lett.**83**(25): 5148-5150.
1097. Grasso, D. M. and K. D. Choquette (2005). "Temperature-dependent polarization characteristics of composite-resonator vertical-cavity lasers." Ieee J. Quant. Electr.**41**(2): 127-131.
1098. Gray, A. C., et al. (2018). "Leaky mode integrated optical fibre refractometer." Opt. Expr.**26**: 9155.
1099. Green, K. (2009). "Stability near threshold in a semiconductor laser subject to optical feedback: A bifurcation analysis of the Lang-Kobayashi equations." Phys. Rev.E **79**(3).
1100. Green, K., et al. (2009). "Bifurcation Analysis of a Spatially Extended Laser with Optical Feedback." Siam J. on Applied Dynamical Systems **8**(1): 222-252.
1101. Griffin, B. G., et al. (2012). Mode suppression in metal filled photonic crystal vertical cavity lasers. VCSELsXvi**8276**.
1102. Griffin, B. G., et al. (2012). "Hydrogen Detection Using a Functionalized Photonic Crystal Vertical Cavity Laser." Ieee J. Quant. Electr.**48**(2): 160-168.
1103. Grillot, F., et al. (2018). Recent advances in InAs/GaAs quantum dot lasers with short optical feedback. Proc. Semiconduc. Lasers and Laser Dynamics Viii. **10682**.
1104. Gurevich, S. V. (2014). "Time-delayed feedback control of breathing localized structures in a three-component reaction-diffusion system." Phil. Tran. Royal Soc. A **372**(2027).
1105. Gustave, F., et al. (2017). "Observation of Mode-Locked Spatial Solitons." Phys. Rev.Lett. 118.
1106. Haghighat, G. (2012). "Analysis of spatial hole burning and temperature effects in VCSELswith internal photonic crystal waveguide." Appl. Opt. **51**(32): 7765-7770.
1107. Han, Y. A., et al. (2019). "Cluster synchronization in mutually-coupled semiconductor laser networks with different topologies." Opt. Commun.**445**: 262-267.
1108. Hao, Y. Z., et al. (2021). "Comparison of single- and dual-mode lasing states of a hybrid-cavity laser under optical feedback." Opt. Lett. **46**(9): 2115-2118.
1109. Hausen, J., (2021). "Feedback-induced locking in semiconductor lasers with strong amplitude-phase." Phys. Rev.A 103.
1110. Hausen, J., et al. (2020). "Phase-Incoherent Photonic Molecules in V-Shaped Mode-Locked Vertical-External-Cavity Surface-Emitting Semiconductor Lasers." Phys. Rev.Applied **14**(4).
1111. Hayrynen, T., et al. (2016). "Open-geometry Fourier modal method: modeling nanophotonic structures in infinite domains." J. Opt. Soc. Am. A**33**(7): 1298-1306.
1112. Hayrynen, T. N.. Gregersen (2016). Modeling cavities exhibiting strong lateral confinement using open geometry Fourier modal method. Quantum Optics. J. Stuhler and A. J. Shields. **9900**.
1113. Hazyrynen, T., et al. (2017). "Modeling open nanophotonic systems using the Fourier modal method: generalization to 3D Cartesian coordinates." J. Opt. Soc. Am. A**34**(9): 1632-1641.
1114. Heinricht, P., et al. (2011). "Bistability in an injection locked two color laser with dual injection." Appl. Phys. Lett.**99**(1).
1115. Hochman, A. and Y. Leviatan (2007). "Efficient and spurious-free integral-equation-based optical waveguide mode solver." Opt. Expr.**15**(22): 14431-14453.
1116. Hochman, A. and Y. Leviatan (2009). "Rigorous modal analysis of metallic nanowire chains." Opt. Expr.**17**(16): 13561.
1117. Homayounfar, A. and M. J. Adams (2006). "Polarisation effects in optically-injected VCSELs." Electronics Lett. **42**(9): 537.
1118. Homayounfar, A. and M. J. Adams (2006). Polarization sensitivity of injection-locked VCSELS.

1119. Homayounfar, A. M. J. Adams (2007). “Analysis of SFM dynamics in solitary and optically-injected VCSELs.” Opt. Expr.15: 10504.
1120. Homayounfar, A. and M. J. Adams (2007). "Locking bandwidth and birefringence effects for polarized optical injection in vertical-cavity surface-emitting lasers." Opt. Commun.**269**(1): 119-127.
1121. Hong, Y., et al. (2001). "Polarisation switching in a vertical cavity surface emitting semiconductor laser by frequency detuning." Iee Proc. Optoelectr. **148**(1): 31-34.
1122. Hong, Y., et al. (2003). "Polarisation-resolved chaos and instabilities in a vertical cavity surface emitting laser subject to optical injection." Opt. Commun.**216**(1-3): 185-189.
1123. Hong, Y., et al. (2002). "Optical injection dynamics of two-mode vertical cavity surface-emitting semiconductor lasers." Ieee J. Quant. Electr.**38**(3): 274-278.
1124. Hong, Y., et al. (2002). Transverse mode dynamics of vertical cavity surface emitting lasers subject to polarised optical injection. Phys. Sim. Optoelectr. Dev. X. **4646:** 235-242.
1125. Hong, Y. H., et al. (2005). "Spectral signatures of the dynamics of current-modulated VCSELssubject to optical feedback." J. Opt. Soc. Am. B **22**(11): 2350-2356.
1126. Hong, Y. H., et al. (2005). "Investigation of polarization bistability in VCSELssubjected to optical feedback." Ieee J. Quant. Electr.**41**(5): 619-624.
1127. Hong, Y. H., et al. (2008). "Influence of low-frequency modulation on polarization switching of VCSELs subject to optical feedback." Ieee J. Quant. Electr.**44**(1-2): 30-35.
1128. Hong, Y. H., (2004). “Suppression of polarization switching in VCSELsby use of optical feedback.” Opt. Lett. 29: 2151.
1129. Houlihan, J., et al. (2004). Distribution of residence times in bistable noisy systems with time-delayed feedback. Noise in Complex Systems and Stochastic Dynamics Ii. Z. Gingl, J. M. Sancho, L. SchimanskyGeier and J. Kertesz. **5471:** 393-406.
1130. Hu, X., et al. (2015). "Modeling the anisotropic electro-optic interaction in hybrid silicon-ferroelectric optical modulator." Opt. Expr.**23**(2): 1699-1714.
1131. Huang, Y., et al. (2012). "Raman-Assisted Wavelength Conversion in Chalcogenide Waveguides." Ieee J. Sel. Top. Quant. Electr. **18**(2): 646-653.
1132. Huang, Y. W., et al. (2017). "Monolithic Microlens VCSELs With High Beam Quality." Ieee Photonics J. **9**(4).
1133. Hurtado, A., et al. (2007). "Effects of parallel and orthogonal polarization on nonlinear optical characteristics of a 1550 nm VCSOA." Opt. Expr.**15**(14): 9084-9089.
1134. Hurtado, A., et al. (2007). "Polarisation effects on the nonlinear optical characteristics of a 1.55 mu m vertical-cavity semiconductor optical amplifier." Iet Optoelectronics **1**(6): 272-276.
1135. Hurtado, A., et al. (2008). "Two-wavelength switching with a 1550 nm VCSEL under single orthogonal optical injection." Ieee J. Sel. Top. Quant. Electr. **14**(3): 911-917.
1136. Hurtado, A., et al. (2008). Wavelength polarization switching and bistability in a 1550nm-VCSEL subject to orthogonal optical injection.
1137. Hurtado, A., et al. (2009). "Injection Locking Bandwidth in 1550-nm VCSELs Subject to Parallel and Orthogonal Optical Injection." Ieee J. Sel. Top. Quant. Electr. **15**(3): 585-593.
1138. Hurtado, A., et al. (2009). "Power and wavelength polarization bistability with very wide hysteresis cycles in a 1550nm-VCSEL subject to orthogonal optical injection." Opt. Expr.**17**(26): 23637-23642.
1139. Hurtado, A., et al. (2010). "Nonl. Dyn. induced by parallel and orthogonal optical injection in 1550 nm VCSELs(VCSELs)." Opt. Expr.**18**(9): 9423-9428.
1140. Hurtado, A., et al. (2010). Experimental stability maps of a 1550nm-VCSEL subject to polarized optical injection. Phys. Sim. Optoelectr. Dev. Xviii. **7597**.
1141. Ivanov, P., et al. (2012). "Modelling investigations of DBRs and cavities with photonic crystal holes for application in VCSELs." J. Opt. **14**(12).
1142. Ivanov, P. and J. Rorison (2009). "Theoretical optimization of transverse waveguiding in oxide-confined VCSELs with internal photonic crystals." J. Opt. Soc. Am. B **26**(12): 2461-2468.
1143. Ivanov, P. S. and J. M. Rorison (2010). "Theoretical investigation of static and dynamic characteristics of VCSELswith two-dimensional photonic crystals." Opt. Quant. Electr. **42**(3): 193-213.
1144. Jadan, M. (2014). "Mode hopping and carrier density fluctuations in semiconductor lasers." Ukrainian J. of Physical Optics **15**(1): 17-23.
1145. Jadan, M., et al. (2018). "Polarization switching mechanism in surface-emitting semiconductor lasers." Optik **158**: 118.
1146. Jadan, M., et al. (2009). "Polarization switching in single-mode injection semiconductor laser." J. Appl. Spectr. **76: 678.**
1147. Jadan, M., et al. (2010). "DYNAMICS OF POLARIZATION SWITCHING IN SINGLE-MODE INJECTION SEMICONDUCTOR LASERS." J. Appl. Spectr. **77**(1): 65-72.
1148. Javaloyes, J., et al. (2014). "Phase dynamics in VCSELswith delayed optical feedback and cross-polarized reinjection." Phys. Rev.A **90**(2).
1149. Jayaprasath, E., et al. (2018). "Anticipation in the Polarization Chaos Synchronization of Uni-Directionally Coupled VCSELsWith Polarization-Preserved Optical Injection." Ieee Access **6**: 58482-58490.

1150. Jayaprasath, E., et al. (2018). "Observation of additional delayed-time in chaos synchronization of uni-directionally coupled VCSELs." Chaos **28**(12).
1151. Jiang, B., et al. (2016). "Polarization Switching Characteristics of 1550-nm VCSELsSubject to Double Polarization Pulsed Injection." Ieee J. Quant. Electr.**52**(11).
1152. Junges, L., et al. (2013). "Characterization of the stability of semiconductor lasers with delayed feedback according to the Lang-Kobayashi model." Eur. Phys. J. D **67**(7).
1153. Kalathimekkad, S., et al. (2012). Fluorescence-based optochemical sensor on flexible foils. Optical Sensing and Detection Ii. F. Berghmans, A. G. Mignani and P. DeMoor. **8439**.
1154. Kalathimekkad, S., et al. (2012). Foil-based optical technology platform for optochemical sensors. Integrated Optics: Devices, Materials, and Technologies Xvi. **8264**.
1155. Kanno, K., et al. (2017). "Spontaneous exchange of leader-laggard relationship in mutually coupled synchronized semiconductor lasers." Phys. Rev.E **95**(5).
1156. Karakoleva, E., et al. (2015). "Calculations of photonic crystal fibers by the Galerkin method with sine functions without a refractive index approximation." Bulgarian Chemical Commun **47**: 21-28.
1157. Karakoleva, E., et al. (2019). Local Coordinate Systems in the Galerkin Method for Modeling of Photonic Crystal Fibers with Material Inclusions. 10th Jubilee Conference of the Balkan Physical Union. T. M. Mishonov and A. M. Varonov. **2075**.
1158. Karakoleva, E. I., et al. (2013). "LOCALIZED FUNCTION METHOD APPLYING A SET OF SINE FUNCTIONS TO MODEL PHOTONIC CRYSTAL FIBRES." Comptes Rendus De L Academie Bulgare Des Sciences **66**(5): 667-678.
1159. Karpisz, T., et al. (2015). "FDTD analysis of modal dispersive properties of nonlinear photonic crystal fibers." Opt. Quant. Electr. **47**(1): 99-106.
1160. Kasten, A. M., et al. (2011). "Beam Properties of Visible Proton-Implanted Photonic Crystal VCSELs." Ieee J. Sel. Top. Quant. Electr. **17**(6): 1648-1655.
1161. Katayama, T., et al. (2009). "Experimental Demonstration of Multi-Bit Optical Buffer Memory Using 1.55-mu m Polarization Bistable Vertical-Cavity Surface-Emitting Lasers." Ieee J. Quant. Electr.**45**(11): 1495-1504.
1162. Kaur, B., S. Jana (2018). "Cavity Soliton Molecules and All-Optical Push-Broom Effect." J. Lightwave Techn.36: 2463.
1163. Khan, N., et al. (2011). "Current-dependence of polarisation switching and locking in an optically injected 1550 nm vertical-cavity surface-emitting laser." Iet Optoelectronics **5**(3): 110-113.
1164. Khanna, A., et al. (2010). Silicon based 2-dimensional slot waveguides. Optical Components and Materials Vii. S. Jiang, M. J. F. Digonnet, J. W. Glesener and J. C. Dries. **7598**.
1165. Khanna, A., et al. (2009). "Control of properties in cross-slot waveguides." Appl. Opt. **48**: 6547.
1166. Khoder, M., et al. (2014). Multi-wavelength emission using compact semiconductor ring laser with filtered optical feedback. Proc. Semicond. Lasers and Laser Dynamics Vi. **9134**.
1167. Kibler, B., et al. (2008). "Second zero dispersion wavelength measurement through soliton self-frequency shift compensation in suspended core fibre." Electronics Lett. **44**(23): 1370-U1350.
1168. Kibler, B., et al. (2008). Soliton self-frequency shift in suspended core fibers. Photonics, Devices, and Systems Iv. **7138**.
1169. Kingni, S. T., et al. (2012). "Nonl. Dyn. in VCSELs driven by a sinusoidally modulated current and Rossler oscillator." Eur. Phys. J. Plus **127**(5).
1170. Kingni, S. T., et al. (2012). Nonl. Dyn. in directly modulated semiconductor ring lasers. Proc. Semicond. Lasers and Laser Dynamics V.. **8432**.
1171. Kingni, S. T., et al. (2012). "Direct modulation of semiconductor ring lasers: numerical and asymptotic analysis." J. Opt. Soc. Am. B **29**(8): 1983-1992.
1172. Ko, J. Y., et al. (2007). "Experimental observations of dual-polarization oscillations in laser-diode-pumped wide-aperture thin-slice Nd : GdVO4 lasers." Opt. Expr.**15**(3): 945-954.
1173. Kovalev, A. V., et al. (2021). "Short-delayed-feedback semiconductor lasers." Phys. Rev.E **103**(4).
1174. Kozlovski, A., et al. (2007). Dynamics of semiconductor laser with nonlinear external optical feedback. Icono 2007: Nonlinear Space-Time Dynamics. Y. Kivshar N.. Rosanov. **6725**.
1175. Kraft, A. and S. V. Gurevich (2016). Time-Delayed Feedback Control of Spatio-Temporal Self-Organized Patterns in Dissipative Systems. Control of Self-Organizing Nonlinear Systems. E. Scholl, S. H. L. Klapp and P. Hovel**:** 413-430.
1176. Kreinberg, S., et al. (2019). "Mutual coupling and synchronization of optically coupled quantum-dot micropillar lasers at ultra-low light levels." Nature Commun. **10**.
1177. Krishna, K. M. and M. G. Madhan (2019). "Performance evaluation of remote millimeter wave generation in a digital optical link incorporating a gain switched vertical cavity surface emitting laser." J. Optoelectr. Adv. Mat.**21**(1-2): 54-63.
1178. Kuntsevich, B. F., et al. (2005). "Nonl. Dyn. of a directly modulated semiconductor laser with cavity detuning." Opt. Quant. Electr. **37**(7): 675-693.
1179. Kusdiantara, R. H. Susanto (2019). "Snakes in square, honeycomb and triangular lattices." Nonlinearity 32: 5170.
1180. Kuske, R., (2018). "Patterns and coherence resonance in the stochastic Swift-Hohenberg equation with Pyragas control: The Turing bifurcation case." Physica D **365**: 57-71.
1181. Lai, C. H. and H. C. Chang (2011). "Effect of perfectly matched layer reflection coefficient on modal analysis of leaky

waveguide modes." Opt. Expr.**19**(2): 562-569.
1182. Lalanne, P., et (2019). “Quasinormal mode solvers for resonators with dispersive materials.” J. Opt. Soc. Am. A36: 686.
1183. Lamothe, E., et al. (2012). Optical injection locking of polarization modes and spatial modes in single-aperture VCSELs and VCSEL arrays emitting at 1.3 mu m. Proc. Semicond. Lasers and Laser Dynamics V.. **8432**.
1184. Lee, G. C. B., et al. (2012). A compact, portable and low cost generic interrogation strain sensor system using an embedded VCSEL, detector and fibre Bragg grating. VCSELsXvi**8276**.
1185. Lepri, S. and G. Giacomelli (2007). "Resonant activation in bistable semiconductor lasers." Phys. Rev.A **76**(2).
1186. Li, L. L., et al. (2019). Bifurcation Analysis of Quantum-Dot Spin-VCSELs Subject to Optical Feedback. 2019 Ieee Int. Conf. Manipul., Manufac. and Meas. on Nanoscale53-57.
1187. Li, M., et al. (2019). High Orthogonal Polarization Suppression Ratio Vertical Cavity Surface Emitting Laser based on Direct-etched Surface Grating. 2019 Asia Communications and Photonics Conference.
1188. Li, N. Q., et al. (2017). "Stability and bifurcation analysis of spin-polarized vertical-cavity surface-emitting lasers." Phys. Rev.A **96**(1).
1189. Li, Y., et al. (2014). "Time-delay signature of chaos in 1550 nm VCSELs with variable-polarization FBG feedback." Opt. Expr.**22**(16): 19610-19620.
1190. Li, Y. F., et al. (2006). "Perturbative and phase-transition-type modification of mode field profiles and dispersion of photonic-crystal fibers by arrays of nanosize air-hole defects." Opt. Expr.**14**(22): 10878.
1191. Li, Y. F., et al. (2008). "Improved fully vectorial effective index method for photonic crystal fibers: evaluation and enhancement." Appl. Opt. **47**(3): 399-406.
1192. Liao, J. F. and J. Q. Sun (2013). "Polarization dynamics and chaotic synchronization in unidirectionally coupled VCSELs subjected to optoelectronic feedback." Opt. Commun.**295**: 188-196.
1193. Lin, H., et al. (2010). "Modal dynamics above the threshold of higher-order transverse modes in a vertical-cavity surface-emitting laser with isotropic optical feedback." J. Opt. Soc. Am. B **27**(11): 2304.
1194. Lin, H. and H. M. Hlaing (2007). "Transverse mode selection in a vertical-cavity surface-emitting laser by using preferential alignment of optical feedback." Opt. Commun.**274**(1): 130-135.
1195. Lin, H., et al. (2014). "Experimental Study of Time-Delay Signatures in VCSELsSubject to Double-Cavity Polarization-Rotated Optical Feedback." J. Lightwave Techn.**32**(9).
1196. Lin, H., et al. (2010). "Polarization instabilities in a multi-transverse-mode vertical-cavity surface-emitting laser with polarized optical feedback." Opt. Commun.**283**(7): 1424-1433.
1197. Lin, H., et al. (2008). "Polarization dynamics in a multi-transverse-mode vertical-cavity surface-emitting laser subject to optical feedback." Phys. Rev.A **77**(3).
1198. Lin, H., et al. (2014). Experimental investigation of elliptically polarized injection-locked VCSELs. Proc. Semicond. Lasers and Laser Dynamics Vi. **9134**.
1199. Lin, H., et al. (2014). "Investigation of elliptically polarized injection locked states in VCSELs subject to orthogonal optical injection." Opt. Expr.**22**(5): 4880-4885.
1200. Lin, H., et al. (2013). "Synchronization of chaotic outputs in multi-transverse-mode vertical-cavity surface-emitting lasers." Opt. Commun.**309**: 242-246.
1201. Lin, H., et al. (2012). "Polarization dynamics of a multimode vertical-cavity surface-emitting laser subject to orthogonal optical injection." J. Opt. Soc. Am. B **29**(4): 867-873.
1202. Lingnau, B., et. (2020). “Dynamic signatures of mode competition in optically injected high-beta lasers.” New J. Phys. 22.
1203. Liscidini, M. (2012). "Surface guided modes in photonic crystal ridges: the good, the bad, and the ugly." J. Opt. Soc. Am. B **29**(8): 2103-2109.
1204. Liscidini, M. (2013). Guided Modes in Photonic Crystals Ridges. Photonics North 2013. P. Cheben, J. Schmid, C. Boudoux et al. **8915**.
1205. Lisinetskii, V. and S. Schrader (2012). "Investigation of room-temperature Raman conversion in bulk-silicon." Opt. Commun.**285**(24): 5389-5396.
1206. Liu, B. C., et al. (2018). "A novel double masking scheme for enhancing security of optical chaotic communication based on two groups of mutually asynchronous VCSELs." Opt. Laser Techn. **107**: 122.
1207. Liu, Q. X., et al. (2015). "Chaotic randomness of mutually coupled vertical-cavity surface-emitting laser by optical injection." Acta Phys. Sinica **64.**
1208. Liu, T. Y., et al. (2017). "A connection between the maximum displacements of rogue waves and the dynamics of poles in the complex plane." Chaos **27**(9).
1209. Liu, Y. Z., et al. (2017). "Exploiting Optical Chaos With Time-Delay Signature Suppression for Long-Distance Secure Communication." Ieee Photonics J. **9**(1).
1210. Logginov, A. S., et al. (2006). Numerical analysis of vertical coupled-cavity lasers for dual-wavelength emission. Lfnm 2006: 8th International Conference on Laser and Fiber-Optical Networks Modeling, Proceedings. I. A. Sukhoivanov**:** 183-+.
1211. Logginov, A. S., et al. (2006). "Two-frequency coupled-cavity vertical-cavity surface-emitting lasers." Quantum Electronics **36**(6): 520-526.

1212. Logginov, A. S., et al. (2007). "Conditions for two-frequency lasing in coupled-cavity vertical cavity surface-emitting lasers." Quantum Electronics **37**(6): 534-540.
1213. Long, C. M., et al. (2015). "Optical Injection and Lasing Dynamics in Long-Wavelength VCSELs With Intracavity Patterning." Ieee J. Sel. Top. Quant. Electr. **21**(6).
1214. Long, C. M., et al. (2014). "Optical injection locking of transverse modes in 1.3-mu m wavelength coupled-VCSEL arrays." Opt. Expr.**22**(18): 21137-21144.
1215. Lorenc, D., et al. (2007). Adaptively controlled supercontinuum generation in a microstructure fiber. 15th Czech-Polish-Slovak Conf. on Wave and Quantum Aspects of Contemporary Optics. **6609**.
1216. Lu, D. K. and J. Liu (2016). "Broadband Single-Polarization Single-Mode Operation in Photonic Crystal Fibers With Hexagonally Latticed Circular Airholes." J. Lightwave Techn.**34**(10): 2452-2458.
1217. Lu, W. T. and Y. Y. Lu (2012). "Waveguide mode solver based on Neumann-to-Dirichlet operators and boundary integral equations." J. of Computational Physics **231**(4): 1360-1371.
1218. Mahnke, C. and F. Mitschke (2010). "A useful approximation for the cladding index of holey fibers." Appl. Phys. B **99**(1-2): 241-245.
1219. Mandel, P. and M. Tlidi (2004). "Transverse dynamics in cavity nonlinear optics (2000-2003)." J. Opt. B-Quantum and Semiclassical Optics **6**(9): R60-R75.
1220. Mangal, N., et al. (2019). Through-substrate coupling elements for silicon-photonics based short-reach optical interconnects. Optical Interconnects Xix. H. Schroder and R. T. Chen. **10924**.
1221. Mangal, N., et al. (2019). "Performance Evaluation of Backside Emitting O-Band Grating Couplers for 100-mu m-Thick Silicon Photonics Interposers." Ieee Photonics J. **11**(3).
1222. Manzetti, S. (2018). "Mathematical Modeling of Rogue Waves: A Survey of Recent and Emerging Mathematical Methods and Solutions." Axioms **7**(2).
1223. Marconi, M., et al. (2013). "Robust square-wave polarization switching in vertical-cavity surface-emitting lasers." Phys. Rev.A **87**(1).
1224. Martin, B., et al. (2008). A compact SWIFTS spectrograph with a leaky loop structure. Integrated Optics: Devices, Materials, and Technologies Xii. C. M. Greiner and C. A. Waechter. **6896**.
1225. Masi, M., et al. (2010). "Towards a Realistic Modelling of Ultra-Compact Racetrack Resonators." J. Lightwave Techn.**28**(22): 3233-3242.
1226. Masoller, C., et al. (2011). "Bifurcation to square-wave switching in orthogonally delay-coupled semiconductor lasers: Theory and experiment." Phys. Rev.A **84**(2).
1227. Masoller, C. and A. S. Torre (2005). "Influence of optical feedback on the polarization switching of vertical-cavity surface-emitting lasers." Ieee J. Quant. Electr.**41**(4): 483-489.
1228. Mbe, J. H. T., et al. (2010). "Chaos and pulse packages in modulated VCSELs." Phys. Scripta **81**(3).
1229. McIntyre, C., et al. (2010). "All-optical delay line based on a cavity soliton laser with injection." Phys. Rev.A **81**(1).
1230. Menotti, M. and M. Liscidini (2015). "Optical resonators based on Bloch surface waves." J. Opt. Soc. (3): 431-438.
1231. Mercier, E., et al. (2015). "Numerical study of extreme events in a laser diode with phase-conjugate optical feedback." Phys. Rev.E **91**(4).
1232. Mercier, E., et. (2016). "Self-determining high-frequency oscillation from an external-cavity laser diode." Phys. Rev.A **94**.
1233. Miah, M. J., et al. (2013). "Fabrication and Characterization of Low-Threshold Polarization-Stable VCSELs for Cs-Based Miniaturized Atomic Clocks." Ieee J. Sel. Top. Quant. Electr. **19**(4).
1234. Michalzik, R., (2004). Polarization-controlled monolithic oxide-confined VCSELs. Micro-Optics, Vcsels, Phot. Intercon.. **5453:** 182-196.
1235. Mihalache, D. (2015). "LOCALIZED STRUCTURES IN NONLINEAR OPTICAL MEDIA: A SELECTION OF RECENT STUDIES." Rom. Rep. Phys.**67**(4): 1383-1400.
1236. Mishra, A., et al. (2020). "Routes to extreme events in dynamical systems: Dynamical and statistical characteristics." Chaos **30**(6).
1237. Mishra, A., et al. (2018). "Dragon- extreme events in coupled bursting neurons." Phys. Rev.E **97**(6).
1238. Missinne, J., et al. (2012). "Two axis optoelectronic tactile shear stress sensor." Sensors Act. A 186: 63.
1239. Missinne, J., et al. (2018). "Planar polymer waveguides with a graded-index profile resulting from intermixing of methacrylates in closed microchannels." Opt. Mater. **76**: 210-215.
1240. Missinne, J., et al. (2015). "Miniature Multiaxial Optoelectronic Shear Stress Sensing System Based on a Segmented Photodiode." Ieee Sensors J. **15**(8): 4286-4291.
1241. Missinne, J., et al. (2015). Bragg grating sensors in laser-written single mode polymer waveguides. Eurosensors 2015. G. Urban, J. Wollenstein and J. Kieninger. **120:** 878-881.
1242. Molitor, A., et al. (2011). "Tailoring wave chaos in VCSELsvia polarization control." Opt. Lett. **36**(19): 3777-3779.
1243. Mori, T., et al. (2008). "Timing Jitter Reduction by All-Optical Signal Regeneration Using a Polarization Bistable VCSEL." J. Lightwave Techn.**26**(13-16): 2946-2953.
1244. Mori, T., et al. (2009). "10-Gb/s Optical Buffer Memory Using a Polarization Bistable VCSEL." Ieice Transactions on

Electronics **E92C**(7): 957-963.
1245. Morrissey, P. E., et al. (2013). "On-chip optical phase locking of single growth monolithically integrated slotted fabry perot lasers." Opt. Expr.**21**(14): 17315-17323.
1246. Mu, P. H., et al. (2019). "Simultaneous Chaos Time-Delay Signature Cancellation and Bandwidth Enhancement in Cascade-Coupled Semiconductor Ring Lasers." Ieee Access **7**: 11041-11048.
1247. Mu, P. H., et al. (2018). "Analysis and characterization of chaos generated by free-running and optically injected VCSELs." Opt. Expr.**26**(12): 15642-15655.
1248. Mulet, J., et al. (2007). "Square-wave switching by crossed-polarization gain modulation in vertical-cavity semiconductor lasers." Phys. Rev.A **76**(4).
1249. Mulet, J., et al. (2001). "Polarization resolved intensity noise in vertical-cavity surface-emitting lasers." Phys. Rev.A **64.**
1250. Muramoto, K., et al. (2019). "Nonlinear Distortion Reduction Effect of Graded-Index Plastic Optical Fiber." Phot. Techn. Lett. **31**(10): 791-794.
1251. Nagler, B., et al. (2004). "Modulation frequency response of a bistable system with noise." Phys. Rev.E **70**(4).
1252. Nakwaski, W. (2011). "VCSEL structures used to suppress higher-order transverse modes." Opto-Electr. Rev. **19**(1): 119.
1253. Nazaruk, D. E., et al. (2014). Single-mode temperature and polarisation-stable high-speed 850nm vertical cavity surface emitting lasers. 16th Russian Youth Conference on Physics and Astronomy. **572**.
1254. Nazhan, S. and Z. Ghassemlooy (2018). "Polarization output power stabilization of a vertical-cavity surface-emitting laser." J. Opt. Soc. Am. B **35**(7): 1615-1619.
1255. Nazhan, S., et al. (2016). "Chaos synchronization in vertical-cavity surface-emitting laser based on rotated polarization-preserved optical feedback." Chaos **26**(1).
1256. Nazhan, S., et al. (2016). "Harmonic distortion dependent on optical feedback, temperature and injection current in a vertical cavity surface emitting laser." J. Phys. D **49**(14).
1257. Nazhan, S., et al. (2016). "Suppressing the Nonlinearity of Free Running VCSEL Using Selective-Optical Feedback." Phot. Techn. Lett. **28**(2): 185-188.
1258. Nazhan, S., et al. (2016). Chaotic Signal Dynamics of VCSEL for Secure Optical Communication.
1259. Nazhan, S., et al. (2014). Hysteresis Properties Induced by Variable Polarization Angle in the Polarization Switching of VCSELs.
1260. Nazhan, S., et al. (2015). Polarization RIN of VCSEL Subject to Modulation Signal with Variable Polarization Angle of Optical Feedback. 2015 4th International Workshop on Optical Wireless Communications**:** 65-68.
1261. Nemova, G. and R. Kashyap (2010). "Laser cooling of solids." Reports on Progress in Physics **73**(8).
1262. Neo, P. L., et al. (2006). Tailoring of polarization bistable characteristics in birefringent ARROW VCSEL. Nusod '06: Proceedings of the 6th International Conference on Numerical Simulation of Optoelectronic Devices. J. Piprek and S. F. Yu**:** 65-+.
1263. Neo, P. L., et al. (2006). "Theoretical studies of polarization bistability in birefringent ARROW VCSELs." Ieee J. Quant. Electr.**42**(11-12): 1107-1114.
1264. Nyakas, P. (2010). Optical simulation of coupled defect cavities in photonic crystal vertical-cavity surface-emitting lasers. Semiconduc. Lasers and Laser Dynamics Iv. **7720**.
1265. Nyakas, P. (2011). "Asymmetric Design and Simulation of Ring-Defect Photonic Crystal Vertical-Cavity Surface-Emitting Lasers." Phot. Techn. Lett. **23**(24): 1869-1871.
1266. Nyakas, P. (2013). "Honeycomb photonic crystal vertical-cavity surface-emitting lasers: coupled cavities enhancing the single-mode range." J. Opt. Soc. Am. B **30**(12): 3284-3290.
1267. Nyakas, P., et al. (2008). Numerical Optimization of Photonic Crystal VCSELs. Nusod '08: 93.
1268. Ohara, S., et (2017). “Dynamics-dependent synchronization in on-chip coupled semiconductor lasers.” Phys. Rev.E 96.
1269. Ohara, S., et al. (2019). "Numerical study on dynamics-dependent synchronization in mutually-coupled lasers with asymmetric feedback." Ieice Nonlinear Theory and Its Applications **10**(1): 60-73.
1270. Okuno, Y. L., et al. (2005). "Stable polarization operation of 1.3-mu m wavelength vertical-cavity surface-emitting laser (VCSEL) fabricated by orientation-mismatched wafer bonding." Ieee J. Sel. Top. Quant. Electr. **11**(5): 1006-1014.
1271. Osborne, S., et. (2009). “Antiphase dynamics in a multimode semiconductor laser with optical injection.” Phys. Rev.A 79.
1272. Osborne, S., et al. (2009). "All-optical memory based on the injection locking bistability of a two-color laser diode." Opt. Expr.**17**(8): 6293-6300.
1273. Ostermann, J. M., et al. (2004). Monolithic polarization control of multimode VCSELs by a dielectric surface grating. VCSELsViii. C. Lei, K. D. Choquette and S. P. Kilcoyne. **5364:** 201-212.
1274. Ostermann, J. M., et al. (2005). "Surface gratings for polarization control of singleand multi-mode oxide-confined vertical-cavity surface-emitting lasers." Opt. Commun.**246**(4-6): 511-519.
1275. Ostermann, J. M., et al. (2005). "Polarization-stable oxide-confined VCSELs with enhancedoutput power via monolithicaily integrated inverted grating reliefs." Ieee J. Sel. Top. Quant. Electr. **11**(5): 982-989.
1276. Ostermann, J. M., et al. (2006). Optimization of polarization-stable single- and multimode surface grating VCSELs towards high fabrication tolerance and superior performance. Semiconduc. Lasers and Laser Dynamics Ii. **6184**.
1277. Ostermann, J. M., et al. (2006). "Optimized integrated surface grating design for polarization-stable VCSELs." Ieee J.

Quant. Electr.**42**(7-8): 690-698.
1278. Otsuka, K. (2020). "High degree of chaos synchronization in pairs of transverse modes with parity-symmetric polarizations in a thin-slice solid-state vector laser and application to polarimetric secure self-mixing metrology." Opt. Lett. **45**(17): 4907-4910.
1279. Otto, A., et al. (2017). "Delay-induced wave instabilities in single-species reaction-diffusion systems." Phys. Rev.E **96**(5).
1280. Panozzo, M., et al. (2017). "Experimental characterization of the transition to coherence collapse in a semiconductor laser with optical feedback." Chaos **27**(11).
1281. Parra-Rivas, P., et al. (2021). "Influence of stimulated Raman scattering on Kerr domain walls and localized structures." Phys. Rev.A **103**(1).
1282. Paul, J., et al. (2006). "Experimental study of polarization switching of VCSELsas a dynamical bifurcation." Opt. Lett. **31**(6): 748-750.
1283. Paul, J., et al. (2008). "Experimental and theoretical study of dynamical hysteresis and scaling laws in the polarization switching of vertical-cavity surface-emitting lasers." Phys. Rev.A **77**(4).
1284. Pedaci, F., et al. (2005). "Experimental analysis of mode-hopping in bulk semiconductor lasers." Appl. Phys. B **81**(7): 993.
1285. Pedaci, F.(2006). "Multiplicative noise in the longitudinal mode dynamics of a bulk semiconductor laser." Phys. Rev.E 73.
1286. Pei, T. H., et al. (2017). "The high-birefringence asymmetric SF57 glass microstructured optical fiber at 1060.0 mu m." Optical Fiber Technology **36**: 265-270.
1287. Perez, P., et al. (2014). "Polarization dynamics induced by orthogonal optical injection close to the lasing mode of a single-transverse-mode VCSEL." J. Opt. Soc. Am. B **31**(11): 2901-2907.
1288. Perez, P., et al. (2014). Dynamics of long-wavelength VCSELs subject to dual-beam optical injection. Proc. Semicond. Lasers and Laser Dynamics Vi. **9134**.
1289. Perez, P., et al. (2011). Polarization-resolved Nonl. Dyn. in long-wavelength single-mode VCSELs subject to orthogonal optical injection. Phys. Sim. Optoelectr. Dev. Xix. **7933**.
1290. Perez, P., et al. (2011). "Polarization-Resolved Nonl. Dyn. Induced by Orthogonal Optical Injection in Long-Wavelength VCSELs." Ieee J. Sel. Top. Quant. Electr. **17**(5): 1228-1235.
1291. Perez, P., et al. (2010). Polarization-resolved Nonl. Dyn. induced by orthogonal optical injection in 1550 nm-Vertical-Cavity Surface-Emitting Lasers.
1292. Perez, P., et al. (2015). "Photonic Generation of Microwave Signals Using a Single-Mode VCSEL Subject to Dual-Beam Orthogonal Optical Injection." Ieee Photonics J. **7**(1).
1293. Perez, P., et al. (2012). Deterministic and stochastic dynamics of linear polarizations emitted by single-mode VCSELs subject to orthogonal optical injection. Proc. Semicond. Lasers and Laser Dynamics V.. **8432**.
1294. Perez, P., et al. (2014). "Polarization-resolved characterization of long-wavelength vertical-cavity surface-emitting laser parameters." J. Opt. Soc. Am. B **31**(11): 2574-2580.
1295. Perez, P., et al. (2013). "All-Optical Inverter Based on Polarization Switching in VCSELs Subject to Single and Dual Optical Injection." Ieee J. Sel. Top. Quant. Electr. **19**(4).
1296. Perez-Arjona, I., et al. (2009). "Diffusion stabilizes cavity solitons in bidirectional lasers." Opt. Expr.**17**(6): 4897-4902.
1297. Perrone, S., et al. (2012). "Stochastic logic gate that exploits noise and polarization bistability in an optically injected VCSEL." Opt. Expr.**20**(20): 22692-22699.
1298. Pimenov, A., et al. (2020). "TEMPORAL CAVITY SOLITONS IN A DELAYED MODEL OF A DISPERSIVE CAVITY RING LASER." Mathematical Modelling of Natural Phenomena **15**.
1299. Pimenov, A., et al. (2018). "Light bullets in a time-delay model of a wide-aperture mode-locked semiconductor laser." Phil. Tran. Royal Soc. A **376**(2124).
1300. Pimenov, A., et al. (2013). "Delayed feedback control self-mobile cavity solitons." Phys. Rev.A **88.**
1301. Pisarchik, A. N. and R. Jaimes-Reategui (2015). "Deterministic coherence resonance in coupled chaotic oscillators with frequency mismatch." Phys. Rev.E **92**(5).
1302. Pourmahayabadi, M. and S. M. Nejad (2009). "Advanced design and optimization of single mode photonic crystal fibers." J. Mod. Opt. **56**(14): 1572-1581.
1303. Pourmahyabadi, M. and S. M. Nejad (2009). "Prediction of photonic crystal fiber characteristics by Neuro-Fuzzy system." Opt. Commun.**282**(20): 4081-4086.
1304. Prati, F., (2021). "Soliton dynamics of ring quantum cascade lasers with injected signal." Nanophotonics **10**(1): 195-207.
1305. Prati, F., (2004). "Analysis of elliptically polarized states in vertical-cavity-surface-emitting lasers." Phys. Rev.A **69**(3).
1306. Prati, F., (2010). "Static and dynamic properties of cavity solitons in VCSELs with optical injection." Eur. Phys. J. D **59**(1): 139-147.
1307. Preda, C. E., et al. (2012). "Numerical approximation for Brillouin fiber ring resonator." Opt. Expr.**20**(5): 5783-5788.
1308. Puzyrev, D., et al. (2016). "Modulational instability and zigzagging of dissipative solitons induced by delayed feedback." Phys. Rev.A **93**(4).
1309. Pyragas, V. and K. Pyragas (2014). "Continuous pole placement method for time-delayed feedback controlled systems." Eur. Phys. J. B **87**(11).

1310. Qader, A. A., et al. (2011). "Lasing Characteristics of VCSELs Subject to Circularly Polarized Optical Injection." J. Lightwave Techn.**29**(24): 3804-3809.
1311. Qader, A. A., et al. (2013). "Robust Irreversible Polarization Switching in Optically Injected VCSELs." Phot. Techn. Lett. **25**(12): 1173-1176.
1312. Qader, A. A., et al. (2013). "Role of Suppressed Mode in the Polarization Switching Characteristics of Optically Injected VCSELs." Ieee J. Quant. Electr.**49**(2): 205-210.
1313. Qiu, H. Y., et al. (2016). "Polarization switching characteristics in a 1550 nm VCSEL subject to circularly polarized optical injection." Chinese Opt. Lett. **14**(2).
1314. Quirce, A., et al. (2012). "Dynamic Characteristics of an All-Optical Inverter Based on Polarization Switching in Long-Wavelength VCSELs." Ieee J. Quant. Electr.**48**(5): 588-595.
1315. Quirce, A., et al. (2010). Polarization bistability in long-wavelength multitransverse-mode VCSELs induced by orthogonal optical injection. Semiconduc. Lasers and Laser Dynamics Iv. **7720**.
1316. Quirce, A., et al. (2019). "VCSEL-Based Optical Frequency Combs Expansion Induced by Polarized Optical Injection." Ieee J. Sel. Top. Quant. Electr. **25**(6).
1317. Quirce, A., et al. (2018). "Polarization Dynamics in VCSEL-Based Gain Switching Optical Frequency Combs." J. Lightwave Techn.**36**(10): 1798-1806.
1318. Quirce, A., et al. (2018). Theoretical study of polarization dynamics in VCSEL-based optical frequency combs. Proc. Semiconduc. Lasers and Laser Dynamics Viii. **10682**.
1319. Quirce, A., et al. (2011). "Correlation properties and time-resolved dynamics of linear polarizations emitted by single-mode VCSELssubject to orthogonal optical injection." J. Opt. Soc. Am. B **28**(11): 2765-2776.
1320. Quirce, A., et al. (2012). Optical spectral analysis of the Nonl. Dyn. in long-wavelength single-mode VCSELs subject to orthogonal optical injection. Phys. Sim. Optoelectr. Dev. Xx. **8255**.
1321. Quirce, A., et al. (2010). Experimental study of relative intensity noise of multimode vertical-cavity surface-emitting lasers. Semiconduc. Lasers and Laser Dynamics Iv. **7720**.
1322. Quirce, A., et al. (2012). "Photonic generation of high-frequency microwave signals utilizing a multi-transverse-mode vertical-cavity surface-emitting laser subject to two-frequency orthogonal optical injection." J. Opt. Soc. Am. B **29**(12): 3259.
1323. Quirce, A., et al. (2012). Polarization switching of transverse modes in VCSELs subject to two-frequency orthogonal optical injection. Proc. Semicond. Lasers and Laser Dynamics V.. **8432**.
1324. Quirce, A., et al. (2011). Transverse mode selection and injection locking in 1550-nm multimode VCSELs induced by optical injection. VCSELsXv. J. K. Guenter and C. Lei. **7952**.
1325. Racz, E., et al. (2021). "Estimation of heavy tails in optical non-linear processes." New J. Phys. **23**.
1326. Redlich, C., (2016). "Mode-switching induced super-thermal bunching in quantum-dot microlasers." New J. Phys. **18**.
1327. Reig, B., et al. (2014). "Study of SU-8 reliability in wet thermal ambient for application to polymer micro-optics on VCSELs." Japanese J. Appl. Phys. **53**(8).
1328. Reinoso, J. A., (2013). "Extreme intensity pulses in a semiconductor laser with a short external cavity." Phys. Rev.E 87.
1329. Rinaldi, F., et al. (2006). 760 nm high-performance VCSEL growth and characterization. Micro-Optics, Vcsels, Phot. Intercon. Ii: Fabrication, Packaging, and Integration. H. Thienpont, M. R. Taghizadeh, P. Daele and J. Mohr. **6185**.
1330. Rodriguez, M. A., et al. (2018). "1/f noise in the intensity fluctuations of VCSELssubject to parallel optical injection." Phys. Rev.E **97**(4).
1331. Romanelli, M., et al. (2005). "Demonstration of single-mode operation of a vertical-cavity surface-emitting laser with optical feedback: the intensity-noise-measurement approach." J. Opt. Soc. Am. B **22**(12): 2596-2600.
1332. Romanelli, M., et al. (2014). "Measuring the universal synchronization properties of driven oscillators across a Hopf instability." Opt. Expr.**22**(7): 7364-7373.
1333. Rombouts, J., et al. (2019). "Travelling fronts in time-delayed reaction-diffusion systems." Phil. Tran. Royal Soc. A **377**(2153).
1334. Rosanov, N. N., et al. (2019). "Laser Solitons in 1D, 2D and 3D." Eur. Phys. J. D **73**(7).
1335. Rosero, E. J., et al. (2016). "Correlations in electrically coupled chaotic lasers." Phys. Rev.E **94**(3).
1336. Roy, A., et al. (2019). "Chaos-based image encryption using vertical-cavity surface-emitting lasers." Optik **176**: 119-131.
1337. Rozova, M., et (2012). 3D finite element simulation of optical modes in VCSELs. Phys. Sim. Optoelectr. Dev. Xx. **8255**.
1338. Salvide, M. F., et al. (2013). "All-Optical Stochastic Logic Gate Based on a VCSEL With Tunable Optical Injection." Ieee J. Quant. Electr.**49**(10): 886-893.
1339. Salvide, M. F., et al. (2015). "Dynamics of Normal and Reverse Polarization Switching in 1550-nm VCSELs Under Single and Double Optical Injection." Ieee J. Sel. Top. Quant. Electr. **21**(6).
1340. Salvide, M. F., et al. (2011). "Transverse Mode Selection and Bistability in VCSELsInduced by Parallel Polarized Optical Injection." Ieee J. Quant. Electr.**47**(5): 723-730.
1341. Sarmiento-Merenguel, J. D., et al. (2016). "Controlling leakage losses in subwavelength grating silicon metamaterial waveguides." Opt. Lett. **41**(15): 3443-3446.
1342. Sarraute, J. M., et al. (2016). Dynamics of optically-injected semiconductor nanolasers. Phys. Sim. Optoelectr. Dev. Xxiv.

B. Witzigmann, M. Osinski and Y. Arakawa. **9742**.
1343. Schatz, R. and M. Peeters (2003). Modeling spatial hole burning and mode competition in index-guided VCSELs. Vcsels and Opt. Interconnects. **4942:** 158-169.
1344. Schemmelmann, T., et al. (2017). "Delayed feedback control of self-mobile cavity solitons in a wide-aperture laser with a saturable absorber." Chaos **27**(11).
1345. Schires, K., et al. (2011). "Polarization and Time-Resolved Dynamics of a 1550-nm VCSEL Subject to Orthogonally Polarized Optical Injection." Ieee Photonics J. **3**(3): 555-563.
1346. Schlottmann, E., et al. (2019). "Stochastic polarization switching induced by optical injection in bimodal quantum-dot micropillar lasers." Opt. Expr.**27**(20): 28816-28831.
1347. Sciancalepore, C., et al. (2013). Ultra-Compact VCSELsUsing a Double Set of Photonic Crystal Mirrors. VCSELsXvii. **8639**.
1348. Sciancalepore, C., et al. (2012). "Thermal, Modal, and Polarization Features of Double Photonic Crystal Vertical-Cavity Surface-Emitting Lasers." Ieee Photonics J. **4**(2): 399-410.
1349. Scire, A., et al. (2003). "Polarization message encoding through vectorial chaos synchronization in vertical-cavity surface-emitting lasers." Phys. Rev.Lett. **90**(11).
1350. Scire, A., et al. (2006). Two-mode dynamics in different semiconductor laser structures. Semiconduc. Lasers and Laser Dynamics Ii. **6184**.
1351. Sethi, P. and S. K. Selvaraja (2019). "Alignment-tolerant broadband compact taper for low-loss coupling to a silicon-on-insulator photonic wire waveguide." Appl. Opt. **58**(23): 6222-6227.
1352. Singh, K. P., et al. (2006). "Theoretical and experimental study of stochastic effects on polarization rotation in a vectorial bistable laser." Phys. Rev.A **73**(3).
1353. Siriani, D. F., et al. (2009). "Loss-Induced Confinement in Photonic Crystal Vertical-Cavity Surface-Emitting Lasers." Ieee J. Quant. Electr.**45**(7): 762-768.
1354. Siriani, D. F., et al. (2009). "Mode Control in Photonic Crystal VCSELsand Coherent Arrays." Ieee J. Sel. Top. Quant. Electr. **15**(3): 909-917.
1355. Slimani, N., et al. (2016). Weakly nonlinear analysis and localised structures in nonlinear cavities with metamaterials. Semiconduc. Lasers and Laser Dynamics Vii. **9892**.
1356. Slimani, N., et al. (2016). Weakly Nonlinear Analysis and Localized Structures in Nonlinear Cavities with Metamaterials. Nonl. Dyn.: **173:** 153-166.
1357. Sondermann, M., et al. (2004). "Experimental and theoretical investigations on elliptically polarized dynamical transition states in the polarization switching of vertical-cavity surface-emitting lasers." Opt. Commun.**235**(4-6): 421-434.
1358. Sondermann, M., et al. (2003). Dynamics and Polarization Effects in small-area VCSELsin free-running Mode and with time-delayed Feedback. Vcsels and Opt. Interconnects. **4942:** 92-102.
1359. Song, D. W. and Y. Y. Lu (2014). "Pseudospectral Modal Method for Computing Optical Waveguide Modes." J. Lightwave Techn.**32**(8): 1624-1630.
1360. Song, D. W. and Y. Y. Lu (2015). "Analyzing Leaky Waveguide Modes by Pseudospectral Modal Method." Phot. Techn. Lett. **27**(9): 955-958.
1361. Song, J. H., et al. (2014). "Focusing Grating Couplers in Unmodified 180-nm Silicon-on-Insulator CMOS." Phot. Techn. Lett. **26**(8): 825-828.
1362. Song, T. T., et al. (2021). "Numerical Analysis of Nonl. Dyn. Based on Spin-VCSELs with Optical Feedback." Photonics **8.**
1363. Soriano, M. C., et al. (2013). "Complex photonics: Dynamics and applications of delay-coupled semiconductors lasers." Reviews of Modern Physics **85**(1): 421-470.
1364. Soriano, M. C., et al. (2006). The influence of current noise on polarization mode hopping in Vertical-Cavity Surface-Emitting Lasers. Semiconduc. Lasers and Laser Dynamics Ii. **6184**.
1365. Sotsky, A. B., et al. (2009). "Mode attenuation in microstructured optical fibers with absorbing coating." Technical Physics **54**(6): 865-873.
1366. Spitsyn, A. S. and G. F. Glinskii (2008). "Computation of localized modes in a defect-containing photonic crystal by the method of periodic continuation of solution." Technical Physics **53**(5): 602-608.
1367. Statkiewicz-Barabach, G., et al. (2011). "Intermodal interferometer for strain and temperature sensing fabricated in birefringent boron doped microstructured fiber." Appl. Opt. **50**(21): 3742-3749.
1368. Strijbos, R. C., et al. (2000). Intra-cavity contacted VCSELs with polarization control. VCSELsIv. **3946:** 69-77.
1369. Sun, Z. K., et al. (2016). "Residence-times distribution function of bistable system subjected to noise recycling." Nonl. Dyn. **84**(2): 1011-1019.
1370. Susanto, H., et al. (2015). "Spin-flip model of spin-polarized vertical-cavity surface-emitting lasers: Asymptotic analysis, numerics, and experiments." Phys. Rev.A **92**(6).
1371. Sysoev, I. V., et al. (2020). "Reconstruction of parameters and unobserved variables of a semiconductor laser with optical feedback from intensity time series." Phys. Rev.E **101**(4).
1372. Szafranek, D. and Y. Leviatan (2011). "A Source-Model Technique for analysis of wave guiding along chains of metallic nanowires in layered media." Opt. Expr.**19**(25): 25397-25411.

1373. Tabbert, F., et al. (2017). "Delay-induced depinning of localized structures in a spatially inhomogeneous Swift-Hohenberg model." Phys. Rev.E **95**(3).
1374. Takahashi, Y. and H. Kawaguchi (2002). "Strain-dependence of the gain saturations in InGaAsP/InP quantum-well gain media." Ieee J. Quant. Electr.**38**(10): 1384-1389.
1375. Takeuchi, K., et al. (2016). Modified Surface Activated Bonding Using Si Intermediate Layer for Bonding and Debonding of Glass Substrates. Semiconductor Wafer Bonding: Science, Technology and Applications 14. T. Suga, H. Baumgart, F. Fournel et al. **75:** 185-189.
1376. Takeuchi, K., et al. (2017). "Room Temperature Temporary Bonding of Glass Substrates Based on SAB Method Using Si Intermediate Layer." Ieee Transactions on Components Packaging and Manufacturing Technology **7**(10): 1713-1720.
1377. Talla, J. H. and P. Woafo (2018). "Modulation of distributed feedback (DFB) laser diode with the autonomous Chua's circuit: Theory and experiment." Opt. Laser Techn. **100**: 145-152.
1378. Tan, Y. D. and S. L. Zhang (2009). "Intensity modulation and multi modes hopping induced by phase change in external cavity Nd:YAG lasers." Opt. Commun.**282**(9): 1867-1870.
1379. Tan, Y. D., et al. (2009). "Measurement of a polarization cross-saturation coefficient in two-mode Nd:YAG lasers by polarized optical feedback." J. Phys. B **42**(2).
1380. Tan, Y. D., et al. (2013). "Response of microchip solid-state laser to external frequency-shifted feedback and its applications." Sci. Rep. **3**.
1381. Tchakounte, F. M., et al. (2021). "Time-delayed feedback with global and local contributions on spatiotemporal dynamics of waves in fiber cavity." Eur. Phys. J. Plus **136**(1).
1382. Tezuka, M., et al. (2016). "Reservoir computing with a slowly modulated mask signal for preprocessing using a mutually coupled optoelectronic system." Japanese J. Appl. Phys. **55**(8).
1383. Tichem, M., et al. (2012). Towards Reel-to-Reel Integration of Ultra-Thin Chips to Polymer Foils.
1384. Toomey, J. P., et al. (2017). "Time-Scale Independent Permutation Entropy of a Photonic Integrated Device." J. Lightwave Techn.**35**(1): 88-95.
1385. Toomey, J. P., et al. (2015). "Integrated semiconductor laser with optical feedback: transition from short to long cavity regime." Opt. Expr.**23**(14): 18754-18762.
1386. Toomey, J. P., et al. (2012). Mapping transients in the Nonlinear Dynamics of injected VCSEL. Proc. Semicond. Lasers and Laser Dynamics V.. **8432**.
1387. Toomey, J. P., et al. (2012). "Stability of the Nonl. Dyn. of optically injected VCSEL." Opt. Expr.**20.**
1388. Torre, M., et al. (2011). "Polarization Switching in Long-Wavelength VCSELs Subject to Orthogonal Optical Injection." Ieee J. Quant. Electr.**47**(1): 92-99.
1389. Torre, M. S., et al. (2011). "Numerical characterization of transient polarization square-wave switching in two orthogonally coupled VCSELs." Opt. Expr.**19**(21): 20269-20278.
1390. Torre, M. S., et al. (2004). "Transverse-mode dynamics in directly modulated VCSELswith optical feedback." Ieee J. Quant. Electr.**40**(6): 620-628.
1391. Torre, M. S., et al. (2004). "Numerical study of optical injection dynamics of vertical-cavity surface-emitting lasers." Ieee J. Quant. Electr.**40**(1): 25-30.
1392. Torre, M. S., et al. (2010). "Wavelength-induced polarization bistability in 1550 nm VCSELs subject to orthogonal optical injection." J. Opt. Soc. Am. B **27**(12): 2542-2548.
1393. Torre, M. S., et al. (2017). "High frequency continuous birefringence-induced oscillations in spin-polarized vertical-cavity surface-emitting lasers." Opt. Lett. **42**(8): 1628-1631.
1394. Torre, M. S., et al. (2006). "Polarization and transverse mode behaviour of VCSELs under optical injection." Opt. Quant. Electr. **38**(4-6): 445-465.
1395. Torre, M. S., et al. (2010). "Transverse Mode Selection in VCSELsWith Optical Injected Signal." Ieee J. Quant. Electr.**46**(1): 105-111.
1396. Torres, P., et al. (2011). "Modeling of photonic crystal fibers from the scalar wave equation with a purely transverse linearly polarized vector potential." J. Opt. Soc. Am. B **28**(4): 787-791.
1397. Tsou, C. Y., et al. (2013). "12.5-Gb/s HIGHLY FLEXIBLE 180 degrees POLYMER WAVEGUIDE ON OPTICAL AND ELECTRONIC PRINTED CIRCUIT BOARD." Microwave Opt. Techn. Lett. **55**(9): 1999.
1398. Turitsyn, S. K., et al. (2011). "Modeling of CW Yb-doped fiber lasers with highly nonlinear cavity dynamics." Opt. Expr.**19**(9): 8394-8405.
1399. Uranus, H. P. (2012). Computational study on modeness of silicon on insulator photonic wire with water cladding. International Conference on Advances Science and Contemporary Engineering 2012. F. L. Gaol. **50:** 717-725.
1400. Uy, C. (2018). "Sustained oscillations accompanying polarization switching in laser dynamics." Opt. Expr.**26**(13): 16917.
1401. Vahed, H. (2015). "Drifting of the Self-Pulsing Cavity Soliton in the Semiconductor Laser." Phot. Techn. Lett. **27: 2019.**
1402. Valle, A., et al. (2008). "Transverse mode competition effects on the dynamics of gain-switched vertical-cavity surface-emitting lasers." Appl. Phys. Lett.**93**(13).
1403. Valle, A., et al. (2007). "Transverse mode switching and locking in VCSELssubject to orthogonal optical injection." Ieee J.

Quant. Electr.**43**(3-4): 322-333.
1404. Valle, A., et al. (2008). Polarization bistability in 1.5 micron wavelength single-mode VCSELsinduced by orthogonal optical injection. Proc. Semicond. Lasers and Laser Dynamics Iii. **6997**.
1405. Valle, A., et al. (2008). "Polarization bistability in 1550 nm wavelength single-mode VCSELssubject to orthogonal optical injection." Ieee J. Sel. Top. Quant. Electr. **14**(3): 895-902.
1406. Valle, A., et al. (2008). "Analysis of the polarization dynamics in a multitransverse-mode vertical-cavity surface-emitting laser with isotropic optical feedback." Phys. Rev.A **78**(3).
1407. Van Erps, J., et al. (2013). "Deep Proton Writing for the rapid prototyping of polymer micro-components for optical interconnects and optofluidics." Nuclear Instruments & Methods in Physics Research Section B-Beam Interactions with Materials and Atoms **307**: 243-247.
1408. Van Erps, J., et al. (2012). Rapid prototyping of interfacing microcomponents for printed circuit board-level optical interconnects. Optoelectronic Interconnects Xii. A. L. Glebov and R. T. Chen. **8267**.
1409. Van Hoe, B., et al. (2012). Low-cost fully integrated fiber Bragg grating interrogation system. Third Asia Pacific Optical Sensors Conference. J. Canning and G. D. Peng. **8351**.
1410. Van Hoe, B., et al. (2012). "Photonic Incremental Pressure Sensor Based on Optical Feedback in a Polymer Embedded VCSEL." Phot. Techn. Lett. **24**(13): 1151-1153.
1411. Van Hoe, B., et al. (2012). Novel coupling and packaging approaches for optical interconnects. Optoelectronic Interconnects Xii. A. L. Glebov and R. T. Chen. **8267**.
1412. Van Hoe, et al. (2012). "Ultra Small Integrated Optical Fiber Sensing System." Sensors **12: 12052.**
1413. Vatin, J., et al. (2019). "Experimental reservoir computing using VCSEL polarization dynamics." Opt. Expr.**27**(13): 18579.
1414. Veretenov, N. and M. Tlidi (2009). "Dissipative light bullets in an optical parametric oscillator." Phys. Rev.A **80**(2).
1415. Vicente, R., (2006). Polarization switching dynamics and bistability in mutually coupled vertical-cavity surface-emitting lasers. Semiconduc. Lasers and Laser Dynamics Ii. **6184**.
1416. Wang, C. and D. X. Lu (2020). "Coupled Wave Theory of Extra-Cavity Pumped Anti-Stokes Lasers." Chinese J. of Lasers-Zhongguo Jiguang **47**(3).
1417. Wang, C. and D. X. Lu (2021). "Theoretical study of picosecond anti-Stokes Raman frequency converter based on pump-probe method." Acta Phys. Sinica **70**(9).
1418. Wang, C. and Z. Wang (2018). "Normalized Theoretical Analysis of Intracavity Anti-Stokes Lasers." Chinese J. of Lasers-Zhongguo Jiguang **45**(1).
1419. Wang, C. Y., et al. (2013). Solving Optical Waveguide Leaky Modes Using a Multidomain Legendre Pseudospectral Frequency-Domain Method. Proceedings of 2013 Ursi International Symposium on Electromagnetic Theory**:** 734-737.
1420. Wang, C. Y., et al. (2013). "High-Accuracy Waveguide Leaky-Mode Analysis Using a Multidomain Pseudospectral Frequency-Domain Method Incorporated With Stretched Coordinate PML." J. Lightwave Techn.**31**(14): 2347-2360.
1421. Wang, F. L., et al. (2019). "Study of optical bistability based on hybrid-cavity semiconductor lasers." Aip Advances **9**(4).
1422. Wang, Q., et al. (2014). "Temperature dependent polarization switch of 850-nm VCSELs with different apertures." Opt. Laser Techn. **63**: 19-23.
1423. Wang, S. H., et al. (2020). "Photonic Associative Learning Neural Network Based on VCSELs and STDP." J. Lightwave Techn.**38**(17): 4691-4698.
1424. Wang, T., et al. (2019). "Dynamics of a Micro-VCSEL Operated in the Threshold Region Under Low-Level Optical Feedback." Ieee J. Sel. Top. Quant. Electr. **25**(6).
1425. Wang, W., et al. (2011). "Coherent polarization stabilization in large-aperture rectangular post bottom-emitting vertical-cavity surface-emitting lasers." Opt. Commun.**284**(5): 1335-1338.
1426. Wang, W., et al. (2012). "Power and spectra polarization of large-aperture rectangular-shaped vertical-cavity top-emitting lasers." Laser Physics **22**(3): 554-558.
1427. Wang, W. Q., et al. (2020). "Advances in soliton microcomb generation." Advanced Photonics **2**(3).
1428. Wang, X. F. (2013). "Polarization switching dynamics of vertical-cavity surface-emitting laser subject to negative optoelectronic feedback." Acta Phys. Sinica **62**(10).
1429. Wang, X. F., et al. (2009). "Theoretical investigations on the polarization performances of current-modulated VCSELs subject to weak optical feedback." J. Opt. Soc. Am. B **26**(1): 160-168.
1430. Wang, X. L., et al. (2019). "Polarization-stabilized tunable VCSEL with internal-cavity sub-wavelength grating." Opt. Expr.**27**(24): 35499-35511.
1431. Wang, Y. X., et al. (2016). FINE-PITCH CHIP-ON-FLEX PACKAGING OF OPTOELECTRONIC DEVICES USING LOW TEMPERATURE OPTODIC BONDING.
1432. Wang, Y. X. and L. Overmeyer (2016). "Chip-Level Packaging of Edge-Emitting Laser Diodes Onto Low-Cost Transparent Polymer Substrates Using Optodic Bonding." Ieee Trans. Comp. Pack. Manufact. Techn. 6: 667.
1433. Wang, Y. X., et al. (2016). Simulative Investigations of the Mechanical Reliability of the Flexible Optoelectronic Packaging Using Optodic Bonding. 2016 Ieee 66th Electronic Components and Technology Conference**:** 1977-1983.
1434. Wang, Y. Z., et al. (2020). "Recent advances in real-time spectrum measurement of soliton dynamics by dispersive

Fourier transformation." Reports on Progress in Physics **83**(11).
1435. Weidenfeld, S., et al. (2011). "Transverse-Mode Analysis of Red-Emitting Highly Polarized Vertical-Cavity Surface-Emitting Lasers." Ieee J. Sel. Top. Quant. Electr. **17**(3): 724-729.
1436. Wen, D. D., et al. (2021). "VCSELs with On-Facet Metasurfaces for Polarization State Generation and Detection." Advanced Opt. Mater. **9**(9).
1437. Wenzel, H. (2013). "Basic Aspects of High-Power Semiconductor Laser Simulation." Ieee J. Sel. Top. Quant. Electr. **19**(5).
1438. Wieckowska, M., et al. (2018). "Shaping vertical-cavity surface-emitting laser mode profiles with an antiresonant oxide island for improved single-mode emission." J. Opt. Soc. Am. B **35**(9): 2259-2265.
1439. Wu, J. G., et al. (2013). "Simulation of Bidirectional Long-Distance Chaos Communication Performance in a Novel Fiber-Optic Chaos Synchronization System." J. Lightwave Techn.**31**(3): 461-467.
1440. Wu, Y., et al. (2013). "Polarization characteristics of He-Ne laser with different directions of polarized feedback." Appl. Opt. **52**(22): 5371-5375.
1441. Wu, Y., et al (2013). "The intra-cavity phase anisotropy and the polarization flipping in HeNe laser." Opt. Expr.**21**: 13684.
1442. Xia, G. Q., et al. (2013). NONL. DYN. OF 1550nm VCSELS UNDER EXTERNAL PERTURBATIONS.
1443. Xiang, S. Y., et al. (2013). "Photonic Approach for Generating Randomness-Enhanced Physical Chaos Via Dual-Path Optically Injected VCSELs." Ieee J. Quant. Electr.**49**(3): 274-280.
1444. Xiang, S. Y., et al. (2013). "Influence of Variable-Polarization Optical Feedback on Polarization Switching Properties of Mutually Coupled VCSELs." Ieee J. Sel. Top. Quant. Electr. **19**(4).
1445. Xiang, S. Y., et al. (2012). "Enhanced chaotic communication in VCSELs with variable-polarization optical feedback and polarization-preserved optical injection." Opt. Commun.**285**(24): 5293-5301.
1446. Xiang, S. Y., et al. (2010). "Polarization degree of VCSELssubject to optical feedback with controllable polarization." J. Opt. Soc. Am. B **27**(3): 476-483.
1447. Xiang, S. Y., et al. (2009). "Polarization properties of VCSELssubject to feedback with variably rotated polarization angle." Appl. Opt. **48**(27): 5176-5183.
1448. Xiang, S. Y., et al. (2010). "Variable-polarization optical feedback induced hysteresis of the polarization switching in vertical-cavity surface-emitting lasers." J. Opt. Soc. Am. B **27**(12): 2512-2517.
1449. Xiang, S. Y., et al. (2018). "Photonic Generation of Neuron-Like Dynamics Using VCSELs Subject to Double Polarized Optical Injection." J. Lightwave Techn.**36**(19): 4227-4234.
1450. Xiao, J., et al. (2016). "Integration of Ultrathin Device Utilizing Capillary Force and a Magnetic-Field-Based Pick-and-Place Method." J. of Microelectromechanical Systems **25**(6): 1005-1014.
1451. Xie, Y. Y., et al. (2014). "Dynamics of 1550-nm VCSELs With Positive Optoelectronic Feedback: Theory and Experiments." Ieee Photonics J. **6**(6).
1452. Xie, Y. Y., et al. (2017). "Single fundamental mode photonic crystal VCSEL with high power and low threshold current optimized by modal loss analysis." Chinese Physics B **26**(1).
1453. Xie, Y. Y., et al. (2012). "Low Threshold Current Single-Fundamental-Mode Photonic Crystal VCSELs." Phot. Techn. Lett. **24**(6): 464-466.
1454. Xie, Y. Y., et al. (2016). "Long-distance multi-channel bidirectional chaos communication based on synchronized VCSELs subject to chaotic signal injection." Optics Commun **377**: 1-9.
1455. Xie, Y. Y., et al. (2015). "Polarization stable low threshold current single fundamental mode VCSELs." Opt. Mater. Express **5**(9): 1998-2005.
1456. Xing, C., et al. (2006). "Comparison of possible implementations of nonmechanical optical beam steering using phased arrays of vertical cavity lasers and amplifiers." Microwave Opt. Techn. Lett. **48**(4): 772-775.
1457. Xu, H. F., et al. (2009). "Switchable multiwavelength erbium-doped fiber laser with cascaded fiber Bragg gratings and dual-section Lyot-Sagnac filter." J. Mod. Opt. **56**(1): 127-130.
1458. Xu, M. F., et al. (2018). "Cluster synchronization in symmetric VCSELs networks with variable-polarization optical feedback." Opt. Expr.**26**(8): 10754-10761.
1459. Xu, M. F., et al. (2021). "Metasurface spatiotemporal dynamics and asymmetric photonic spin-orbit interactions mediated vector-polarization optical chaos." Phys. Rev.Research **3**(1).
1460. Xu, M. T. (2007). "Property of period-doubling bifurcation cascades of discrete dynamical systems." Chaos Solitons & Fractals **33**(2): 455-462.
1461. Yang, J. Y., et al. (2016). "Experimental determination of key parameters in the spin-flip model of 1550 nm vertical-cavity surface-emitting laser." Acta Phys. Sinica **65**(12).
1462. Yang, W. Y., et al. (2019). "Experimental investigation on the Nonl. Dyn. of two mutually coupled 1550 nm multi-transverse-mode vertical-cavity surface-emitting lasers." Appl. Opt. **58**(5): 1271-1275.
1463. Yang, Y. S., et al. (2017). "Integration of an O-band VCSEL on silicon photonics with polarization maintenance and waveguide coupling." Opt. Expr.**25**(5): 5758-5771.
1464. Yarunova, E. A., et al. (2018). Dynamics of the optical field in the ring cavity with nonlinear metamaterial and time-delayed feedback. Saratov Fall Meeting 2017: Laser Physics and Photonics Xviii; and Computational Biophysics and Analysis of

Biomedical Data Iv. V. L. Derbov and D. E. Postnov. **10717**.
1465. Yen, T. C., et al. (2014). Analogy between the quantum phase transition and the polarization switching of vertical-cavity surface-emitting lasers. Proc. Semicond. Lasers and Laser Dynamics Vi. **9134**.
1466. Yoshimura, T. (2015). "Simulation of Self-Aligned Optical Coupling Between Micro- N.ano-Scale Devices Using Self-Organized Waveguides." J. Lightwave Techn.**33**(4): 849-856.
1467. Yoshimura, T. (2015). Simulation of self-organized waveguides for self-aligned coupling between micro- N.ano-scale devices. Integrated Optics: Physics and Simulations Ii. **9516**.
1468. Yoshimura, T., et al. (2014). "Self-aligned optical couplings by self-organized waveguides toward luminescent targets in organic/inorganic hybrid materials." Opt. Lett. **39**(12): 3496-3499.
1469. Yoshimura, T. and H. Nawata (2017). "Micro/nanoscale self-aligned optical couplings of the self-organized lightwave network (SOLNET) formed by excitation lights from outside." Opt. Commun.**383**: 119-131.
1470. Yoshimura, T. and H. Nawata (2017). Micro/Nanoscale Self-Aligned Optical Couplings of the Self-Organized Lightwave Network (SOLNET) Formed by Two-Photon Photochemistry. Optical Interconnects Xvii. H. Schroder and R. T. Chen. **10109**.
1471. Yoshimura, T. and M. Seki (2013). "Simulation of self-organized parallel waveguides targeting nanoscale luminescent objects." J. Opt. Soc. Am. B **30**(6): 1643-1650.
1472. Yoshimura, T., et al. (2016). "Polymer waveguides self-organized by two-photon photochemistry for self-aligned optical couplings with wide misalignment tolerances." Optics Commun. **362**: 81-86.
1473. Yoshimura, T., et al. (2019). "Self-aligned coupling waveguides experimentally formed by two-photon photochemistry for 3-D integrated optical interconnects." Opt. Commun.**430**: 284-292.
1474. Yu, X., et al. (2010). "An efficient approach for investigating surface plasmon resonance in asymmetric optical fibers based on birefringence analysis." Opt. Expr.**18**(17): 17950-17957.
1475. Yu, Y. T., et al. (2014). "Exploring lasing modes and polarization characteristics in broad-area square-shaped vertical-cavity surface emitting lasers with frequency detuning." Laser Phys Lett **11**(11).
1476. Yuan, G. H. and S. Y. Yu (2007). "Analysis of dynamic switching Behavior of bistable semiconductor ring lasers triggered by resonant optical pulse injection." Ieee J. Sel. Top. Quant. Electr. **13**(5): 1227-1234.
1477. Zamora-Munt, J. and C. Masoller (2008). "Generation of optical pulses in VCSELs below the static threshold using asymmetric current modulation." Opt. Expr.**16**(22): 17848-17853.
1478. Zeng, Z. L., et al. (2014). "Broadened spectrum distribution of microchip solid-state laser subjected to external frequency-shifted feedback." Laser Phys. Lett. 11.
1479. Zhang, D. S., et al. (2009). Design a new PCF whose Zero Dispersion Wavelength of 800nm is insensitive to its Fiber Core Diameter.
1480. Zhang, L. Y., et al. (2019). "Isochronous cluster synchronization in delay-coupled VCSEL networks subjected to variable-polarization optical injection with time delay signature suppression." Opt. Expr.**27**(23): 33368-33376.
1481. Zhang, S. L. and L. G. Fei (2006). "Orthogonally polarized optical feedback in lasers." Opt. Eng. **45**(11).
1482. Zhang, T., et al. (2021). "Experimental Observation of Dynamic-State Switching in VCSELs With Optical Feedback." Phot. Techn. Lett. **33**(7): 335-338.
1483. Zhang, T., et al. "Parameter identification of nonlinear systems with time-delay from time-domain data." Nonl. Dyn..
1484. Zhang, W. L., et al. (2007). "Influence of polarization-selected mutual injection on the polarization-switching dynamics of vertical-cavity surface-emitting lasers." J. Opt. Soc. Am. B **24**(9): 2472-2478.
1485. Zhang, W. L., et al. (2007). "Polarization switching and synchronization of mutually coupled vertical-cavity surface-emitting semiconductor lasers." Chinese Physics **16**(7): 1996-2002.
1486. Zhang, W. L., et al. (2007). "Polarization switching of mutually coupled vertical-cavity surface-emitting lasers." J. Opt. Soc. Am. B **24**(6): 1276-1282.
1487. Zhang, W. L., et al. (2008). "Polarization-resolved dynamics of asymmetrically coupled vertical-cavity surface-emitting lasers." J. Opt. Soc. Am. B **25**(2): 153-158.
1488. Zhang, W. L., et al. (2008). "Polarization switching and hysteresis of VCSELs with time-varying optical injection." Ieee J. Sel. Top. Quant. Electr. **14**(3): 889-894.
1489. Zhang, W. L., et al. (2006). "Polarization dynamics of VCSELswith optical feedback." Opt. Eng. **45**(11).
1490. Zhang, W. L. and S. F. Yu (2010). "Vectorial polariton solitons in semiconductor microcavities." Opt. Expr.**18**(20): 21219.
1491. Zhang, X. Y., et al. (2019). The design of bi-layer vertical grating coupler for the hybrid integration of VCSEL with stable polarization on silicon photonics. 2019 Asia Communications and Photonics Conference.
1492. Zhang, Y., et al. (2019). "All-optical inhibitory dynamics in photonic neuron based on polarization mode competition in a VCSEL with an embedded saturable absorber." Opt. Lett. **44**(7): 1548-1551.
1493. Zhang, Y. H., et al. (2018). "Spike encoding and storage properties in mutually coupled VCSELssubject to optical pulse injection." Appl. Opt. **57**(7): 1731-1737.
1494. Zhao, F. Q., et al. (2019). Recent Development of Automotive LiDAR Technology, Industry and Trends. Eleventh International Conference on Digital Image Processing. J. N. Hwang and X. Jiang. **11179**.
1495. Zhong, C. Y., et al. (2017). "VCSELsWith Two Emission-Controllable Transverse Modes." Phot. Techn. Lett. **29**(21): 1840-

1843.
1496. Zhong, D. Z., et al. (2016). "Controllable all-optical stochastic logic gates and their delay storages based on the cascaded VCSELs with optical-injection." Chinese Physics B **25**(9).
1497. Zhong, Z. Q., et al. (2015). "Polarization-resolved time-delay signatures of chaos induced by FBG-feedback in VCSEL." Opt. Expr.**23**(12): 15459-15468.
1498. Zhou, Z. L., et al. (2015). "Multiple polarization switching in mutually coupled vertical-cavity surface emitting lasers." Acta Phys. Sinica **64.**
1499. Zyablovskii, A. A., et al. (2015). "Magnetically controlled vertically emitting laser with anisotropic pumping." J. of Communications Technology and Electronics **60**(1): 87-96.
1500. Ahmed, W. W., et al. (2015). "Stabilization of flat-mirror vertical-external-cavity surface-emitting lasers by spatiotemporal modulation of the pump profile." Phys. Rev.A **92**(4).
1501. Ahmed, W. W., et al. (2016). Suppression of modulation instability in pump modulated flat-mirror VECSELs. Nonlinear Optics and Its Applications Iv. **9894**.
1502. Akhmediev, N., et al. (2016). "Roadmap on optical rogue waves and extreme events." J. Opt. **18**(6).
1503. Albugami, N. F. and E. A. Avrutin (2017). "Dynamic modelling of electrooptically modulated vertical compound cavity surface emitting semiconductor lasers." Opt. Quant. Electr. **49**(9).
1504. Alharthi, S. S., et al. (2014). "Simulated dynamics of optically pumped dilute nitride 1300 nm spin vertical-cavity surface-emitting lasers." Iet Optoelectronics **8**(2): 117-121.
1505. Alrawashdeh, M. M. A., et al. (2019). Modeling of operation regimes in coupled-cavity surface-emitting laser with external photon injection. Optical Fibers and Their Applications 2018. R. S. Romaniuk, W. Wojcik and A. Smolarz. **11045**.
1506. Al-Seyab, R., (2013). "Dynamics of VCSELs Subject to Optical Injection of Arbitrary Polarization." Ieee J. Sel. Top. Quant. Electr. **19**(4).
1507. Al-Seyab, R., (2011). "Dynamics of Polarized Optical Injection in 1550-nm VCSELs: Theory and Experiments." Ieee J. Sel. Top. Quant. Electr. **17**(5): 1242-1249.
1508. Andreev, A., et al. (1998). "a-Si : H film on side-polished fiber as optical polarizer N.arrow-band filter." Thin Solid Films **330**(2): 150-156.
1509. Ashwell, G. J., et al. (1996). "Z-type Langmuir-Blodgett film structures: Surface plasmon resonance, second harmonic generation and fibre optic devices." J. of Materials Chemistry **6**(2): 131-136.
1510. Baddour, N. and U. Chouinard (2015). "Theory and operational rules for the discrete Hankel transform." J. Opt. Soc. Am. A**32**(4): 611-622.
1511. Baghdasaryan, H., et al. (2018). Single-Mode Light Generation in DFB Fiber Laser: Wavelength-Scale Electromagnetic Modelling by the Method of Single Expression.
1512. Baghdasaryan, H., et al. (2018). General Expression of the Poynting Vector Appropriate for Evanescent Wave Region: Intrinsic Function in the Method of Single Expression. 2018 20th Anniversary ICTON. M. Jaworski and M. Marciniak.
1513. Baghdasaryan, H., et al. (2017). Solution of Boundary Problems in Intensity-Dependent Nano-Optics and Quantum Mechanics by the Method of Single Expression. 2017 19th ICTON.
1514. Baghdasaryan, H., et al. (2018). Single- And Double-Mode Light Generation in DFB Fiber Laser: Wavelength-Scale Electromagnetic Modelling by the Method of Single Expression. 2018 20th Anniversary ICTON. M. Jaworski and M. Marciniak.
1515. Baghdasaryan, H. V., et al. (2020). "The method of single expression (MSE) as a prospective modeling tool for boundary value problems: an extension from nano-optics to quantum mechanics." Opt. Quant. Electr. **52**(10).
1516. Baghdasaryan, H. V., et al. (2019). "Electromagnetic energy flow in confined regions of evanescent waves: wavelength-scale analysis by the method of single expression." Opt. Quant. Electr. **51**(9).
1517. Baghdasaryan, H. V., et al. (2019). Monitoring of Electromagnetic Energy Flow in a Confined Region of Evanescent Waves by an Alternative Expression for the Poynting Vector. 2019 13th European Conference on Antennas and Propagation.
1518. Bahloul, L., et al. (2014). Temporal localized structures in a photonic crystal fiber resonator. Nonlinear Optics and Its Applications Viii; and Quantum Optics Iii. **9136**.
1519. Bartolo, A., et al. (2021). "Manipulation of temporal localized structures in a vertical external-cavity surface-emitting laser with optical feedback." Opt. Lett. **46**(5): 1109-1112.
1520. Baum, O. I., et al. (2004). "Continuously tunable fibre attenuator operating in the wavelength range near 1.5 mu m." Quantum Electronics **34**(9): 849-851.
1521. Bertolotti, M. (2006). "Wave interactions in photonic band structures: an overview." J. Opt. a-Pure and Appl. Opt. **8**(4): S9-S32.
1522. Blaha, S., et al. (2016). Self-organized light bullets in type-I intracavity second harmonic generation. Semiconduc. Lasers and Laser Dynamics Vii. **9892**.
1523. Bordeu, I., et al. (2016). Finger Dynamics in Pattern Forming Systems. Nonl. Dyn.: **173:** 275-291.
1524. Chang, T. C., et al. (2020). GaN-based vertical-cavity surface-emitting laser incorporating a TiO2 high-index-contrast grating. Gallium Nitride Materials and Devices Xv. H. Fujioka, H. Morkoc and U. T. Schwarz. **11280**.
1525. Chang, T. C., et al. (2020). "Electrically Injected GaN-Based VCSELswith TiO2 High-Index-Contrast Grating Reflectors." Acs

Photonics **7**(4): 861-866.
1526. Chen, C., et al. (2010). "Push-Pull Modulation of a Composite-Resonator Vertical-Cavity Laser." Ieee J. Quant. Electr.**46**(4): 438-446.
1527. Chen, C., et al. (2009). "High-speed electroabsorption modulation of composite-resonator vertical-cavity lasers." Iet Optoelectronics **3**(2): 93-99.
1528. Chen, J., et al. (2016). "Investigations on the polarization switching and bistability in a 1550 nm vertical-cavity surface-emitting laser under variable-polarization optical injection." Acta Phys. Sinica **65**(16).
1529. Chen, J. J., et al. (2017). "Polarization Bistability in a 1550 nm Vertical-Cavity Surface-Emitting Laser Subject to Variable Polarization Optical Injection." Ieee Photonics J. **9**(2).
1530. Chen, J. J., et al. (2014). Nonl. Dyn. of polarization switching of a 1550 nm vertical-cavity surface-emitting laser under orthogonal optical injection. Semiconductor Lasers and Applications Vi. **9267**.
1531. Chen, J. J., et al. (2015). "Power-induced polarization switching and bistability characteristics in 1550-nm VCSELs subjected to orthogonal optical injection." Chinese Physics B **24**(2).
1532. Choquette, K. D., et al. (2012). "Reconfigurable Digital Functionality of Composite Resonator Vertical Cavity Lasers." Ieee J. Quant. Electr.**48**(2): 153-159.
1533. Clerc, M. G., et al. (2017). "Chimera-like states in an array of coupled-waveguide resonators." Opt. Lett. **42**(15): 2906.
1534. Coomans, W., et al. (2010). Dynamical Regimes in an Optically Injected Semiconductor Ring Laser. Semiconduc. Lasers and Laser Dynamics Iv. **7720**.
1535. Coomans, W., et al. (2010). "Optical injection in semiconductor ring lasers." Phys. Review A **81**(3).
1536. Czajkowski, K. M., et al. (2019). Subwavelength confinement of light in hyperbolic metamaterials with dielectric nanoparticle coupling. Metamaterials Xii. **11025**.
1537. de Dios, C., et al. (2017). VCSEL-based optical frequency combs under parallel, orthogonal and combined optical injection locking: study of dual-polarization dynamics.
1538. de Valcarcel, G. J., et al. (2014). "Phase-bistable pattern formation in oscillatory systems via rocking: application to nonlinear optical systems." Phil. Tran. Royal Soc. A **372**(2027).
1539. Deng, T., et al. (2015). "Two-Mode Coexistence in 1550-nm VCSELs With Optical Feedback." Phot. Techn. Lett. **27: 2075.**
1540. Dillane, M., et al. (2021). "Asymmetric excitable phase triggering in an optically injected semiconductor laser." Opt. Lett. **46**(2): 440-443.
1541. Dini, D., et al. (2016). "Nonlinear Opt. Mater. for the Smart Filtering of Optical Radiation." Chemical Rev. 116: 13043.
1542. Drong, M., et al. (2021). "Spin-VCSELs with Local Optical Anisotropies: Toward Terahertz Polarization Modulation." Phys. Rev.Applied **15**(1).
1543. Drong, M., et al. (2020). "Local and mean-field approaches for modeling semiconductor spin-lasers." J. Opt. **22**(5).
1544. Du, L. H., et al. (2010). "Bidirectional dual-channel chaos synchronization and communication based on mutually coupled VCSELs with optical feedback." Optoelectr. Adv. Mat. **4**(5): 624-629.
1545. Du, L. H., et al. (2010). "Bidirectional dual-channel chaos synchronization and communication based on mutually coupled VCSELs with optical feedback." J. Optoelectr. Adv. Mat.**12**(2): 171-176.
1546. Ecke, W., et al. (2011). Biosensor application of resonance coupling to thin film planar waveguides on side-polished optical fiber. 21st International Conference on Optical Fiber Sensors. W. J. Bock, J. Albert and X. Bao. **7753**.
1547. Emami, F., et al. (2008). An Equivalent Circuit Model for Dual-Cavity QW-VCSELs.
1548. Entezam, S., et al. (2015). "Thermal Equivalent Circuit Model for Coupled-Cavity Surface-Emitting Lasers." Ieee J. Quant. Electr.**51**(4).
1549. Fernandez-Oto, C., et al. (2014). Strong nonlocal interaction stabilizes cavity solitons with a varying size plateau. Nonlinear Optics and Its Applications Viii; and Quantum Optics Iii. **9136**.
1550. Foutse, M., et al. (2015). "Edge-emitting semiconductor laser driven by a van der Pol oscillator: analytical N.umerical analysis." Opt. Quant. Electr. **47**(3): 705-720.
1551. Gebski, M., et al. (2019). "Electrically injected VCSEL with a composite DBR and MHCG reflector." Opt. Expr.**27**(5): 7139.
1552. Gebski, M., et al. (2017). Optimization of VCSELs incorporating monolithic subwavelength high-refractive-index contrast surface grating mirrors. High Contrast Metastructures Vi. **10113**.
1553. Gelens, L., et al. (2010). "Excitability in semiconductor microring lasers: Experimental and theoretical pulse characterization." Phys. Rev.A **82**(6).
1554. Gerhardt, N. C., et al. (2010). Ultrafast circular polarization oscillations in spin-polarized vertical-cavity surface-emitting laser devices. Phys. Sim. Optoelectr. Dev. Xviii. **7597**.
1555. Grasso, D. M., et al. (2006). "Direct modulation characteristics of composite resonator vertical-cavity lasers." Ieee J. Quant. Electr.**42**(11-12): 1248-1254.
1556. Grillot, F., et al. (2018). Recent advances in InAs/GaAs quantum dot lasers with short optical feedback. Semiconduc Lasers and Laser Dynamics Viii. **10682**.
1557. Grillot, F., et al. (2018). Utilizing the Complex Dynamics of InAs/GaAs Quantum Dot lasers for Ultrafast Devices. 2018 Ieee Photonics Conference. P. Winzer, H. K. Tsang, J. Capmany et al.

1558. Gui, W. D., et al. (2019). "Pump coupling optimization of a native inhomogeneous planar waveguide laser." Opt. Commun.**435**: 195-201.
1559. Hamilton, S. A., et al. (1998). "Polymer in-line fiber modulators for broadband radio-frequency optical links." J. Opt. Soc. Am. B **15**(2): 740-750.
1560. He, C. A., et al. (2019). "Frequency-induced polarization switching and bistability in a 1550nm VCSEL subject to parallel optical injection." Optical Review **26**(1): 95-102.
1561. Hovel, S., et al. (2008). "Optical spin manipulation of electrically pumped vertical-cavity surface-emitting lasers." Appl. Phys. Lett.**92**(4).
1562. Huang, H., et al. (2016). "Multimode optical feedback dynamics of InAs/GaAs quantum-dot lasers emitting on different lasing states." Aip Advances **6**(12).
1563. Huang, H. M., et al. (2018). "Analysis of the optical feedback dynamics in InAs/GaAs quantum dot lasers directly grown on silicon." J Opt. Soc. Am. B **35**(11): 2780-2787.
1564. Hurtado, A., et al. (2013). "Two-Wavelength Switching With a 1310-nm Quantum Dot Distributed Feedback Laser." Ieee J. Sel. Top. Quant. Electr. **19**(4).
1565. Hurtado, A., et al. (2010). "Nonl. Dyn. induced by parallel and orthogonal optical injection in 1550 nm VCSELs(VCSELs)." Opt. Expr.**18**(9): 9423-9428.
1566. Husaini, S., et al. (2012). "Enhanced nonlinear optical response of metal nanocomposite based photonic crystals." Appl. Phys. Lett.**101**(11).
1567. Jahanpanah, J., et al. (2014). "Formation mechanism of bifurcation in mode-locked class-B laser." Chinese Phys. B 23.
1568. Jasik, A., et al. (2016). "Dual-wavelength vertical external-cavity surface-emitting laser: strict growth control and scalable design." Appl. Phys. B **122**(2).
1569. Jiang, B., et al. (2016). "Polarization Switching Characteristics of 1550-nm VCSELsSubject to Double Polarization Pulsed Injection." Ieee J Quant. Electr.**52**(11).
1570. Jiang, Z. F., et al. (2020). "Power-induced lasing state switching and bistability in a two-state quantum dot laser subject to optical injection." Optica Applicata **50**(2): 257-269.
1571. Karakoleva, E. I., et al. (2006). "Numerical investigation of refractometric sensor elements based on side polished fibres using the Galerkin method." J Optics a-Pure and Appl. Opt. **8**(12): 1034-1042.
1572. Kaur, B. and S. Jana (2017). "Generation and dynamics of one- and two-dimensional cavity solitons in a vertical-cavity surface-emitting laser with a saturable absorber and frequency-selective feedback." J. Opt. Soc. Am. B **34**(7): 1374-1385.
1573. Kazanskiy, N. L., et al. (2020). "Subwavelength Grating Double Slot Waveguide Racetrack Ring Resonator for Refractive Index Sensing Application." Sensors **20**(12).
1574. Kelleher, B., et al. (2011). "Excitability in optically injected semiconductor lasers: Contrasting quantum-well- and quantum-dot-based devices." Phys. Rev.E **83**(2).
1575. Kelleher, B., et al. (2012). "Bounded phase phenomena in the optically injected laser." Phys. Rev.E **85**(4).
1576. Kelleher, B., et al. (2012). "Modified relaxation oscillation parameters in optically injected semiconductor lasers." J. Opt. Soc. Am. B **29**(8): 2249-2254.
1577. Kelleher, B., et al. (2012). "Optically injected lasers: The transition from class B to class A lasers." Phys. Rev.E **86**(6).
1578. Khan, N., et al. (2011). "Current-dependence of polarisation switching and locking in an optically injected 1550 nm vertical-cavity surface-emitting laser." Iet Optoelectronics **5**(3): 110-113.
1579. Kidwai, O., et al. (2012). "Effective-medium approach to planar multilayer hyperbolic metamaterials: Strengths and limitations." Phys. Rev.A **85**(5).
1580. Kim, S., et al. (2019). "Monolithic High-Contrast Grating Based Polariton Laser." Acs Photonics **6**(1): 18-22.
1581. King, T. C. and C. J. Wu (2014). "Design of multichannel filters based on the use of periodic Cantor dielectric multilayers." Appl. Opt. **53**(29): 6749-6755.
1582. Kingni, S. T., et al. (2012). "Nonl. Dyn. in VCSELs driven by a sinusoidally modulated current and Rossler oscillator." Eur. Phys. J. Plus **127**(5).
1583. Kingni, S. T., et al. (2012). Nonl. Dyn. in directly modulated semiconductor ring lasers. Semiconduc. Lasers and Laser Dynamics V. **8432**.
1584. Kingni, S. T., et al. (2012). "Direct modulation of semiconductor ring lasers: numerical and asymptotic analysis." J. Opt. Soc. Am. B **29**(8): 1983-1992.
1585. Kopylov, W., et al. (2015). "Dissipative two-mode Tavis-Cummings model with time-delayed feedback control." Phys. Rev.A **92**(6).
1586. Koryukin, I. V. (2015). "Relaxation oscillations in a semiconductor quantum-dot laser." Phys. Rev.A **92**(4).
1587. Koryukin, I. V. (2018). "Model of an Injection Semiconductor Quantum-Dot Laser." Radiophysics and Quantum Electronics **60**(11): 889-896.
1588. Kraft, A. and S. V. Gurevich (2016). Time-Delayed Feedback Control of Spatio-Temporal Self-Organized Patterns in Dissipative Systems. Control of Self-Organizing Nonlinear Systems. E. Scholl, S. H. L. Klapp and P. Hovel**:** 413-430.
1589. Krents, A. A., et al. (2017). "Resonant excitation of transverse patterns in broad-area lasers by periodic temporal pump

modulation." J. Opt. Soc. Am. B **34**(8): 1733-1739.
1590. Krstic, M. M., et al. (2013). "Switching time and energy in bistable injection-locked semiconductor multi-quantum-well Fabry-Perot lasers." Phys. Rev.A **88**(6).
1591. Kuo, W. C., et al. (2012). "Criticalities and Phase Transitions in the Polarization Switching of Vertical-Cavity Surface-Emitting Lasers." Phot. Techn. Lett. **24**(24): 2262-2264.
1592. Lai, S. Q., et al. (2018). "Generation of ring-shaped optical vortices in dissipative media by inhomogeneous effective diffusion." Nonl. Dyn. **93**(4): 2159-2168.
1593. Lee, J. S., et al. (2013). Volatile Organic Compounds Optical Fiber Gas Sensor Based on Evanescent Field Coupling and Solvatochromism. 2013 Ieee Sensors**:** 266-269.
1594. Leinonen, T., et al. (2005). "Vertical external-cavity surface-emitting laser for dual-wavelength generation." Phot. Techn. Lett. **17**(12): 2508-2510.
1595. Leinonen, T., et al. (2007). "Dual-wavelength generation by vertical external cavity surface-emitting laser." Opt. Expr.**15**(20): 13451-13456.
1596. Li, H. S., et al. (2017). "Stable dissipative optical vortex clusters by inhomogeneous effective diffusion." Opt. Expr.**25**: 27948.
1597. Li, J., et al. (2017). Investigation of numerical simulation on all-optical flip-flop stability maps of 1550nm vertical-cavity surface-emitting laser. Aopc 2017: Laser Components, Systems, and Applications. S. Jiang, L. Wang, L. Jiang and L. Zhang. **10457**.
1598. Li, L. L., et al. (2019). Bifurcation Analysis of Quantum-Dot Spin-VCSELs Subject to Optical Feedback. 2019 Ieee Int. Conf. Manipul., Manufac. and Meas. on Nanoscale53-57.
1599. Li, N. Q., et al. (2018). Injection locking of two laterally-coupled semiconductor laser arrays. Proc. Semiconduc. Lasers and Laser Dynamics Viii. **10682**.
1600. Li, N. Q., et al. (2018). "Locking bandwidth of two laterally-coupled semiconductor lasers subject to optical injection." Sci. Rep. **8**.
1601. Li, N. Q., et al. (2018). "Mapping bifurcation structure and parameter dependence in quantum dot spin-VCSELs." Opt. Expr.**26**(11): 14636-14649.
1602. Li Voti, R., (2015). "Photothermal Characterization of Thermochromic Materials for Tunable Thermal Devices." International J. of Thermophysics **36**(5-6): 1004-1015.
1603. Liao, J. F. and J. Q. Sun (2013). "Polarization dynamics and chaotic synchronization in unidirectionally coupled VCSELs subjected to optoelectronic feedback." Opt. Commun.**295**: 188-196.
1604. Lin, H., et al. (2015). "Polarization and modal dynamics of multimode VCSELssubject to optical feedback and current modulation." Opt. Commun.**350**: 178-188.
1605. Lin, H., et al. (2017). "Photonic microwave generation in multimode VCSELs subject to orthogonal optical injection." J. Opt. Soc. Am. B **34**(11): 2381-2389.
1606. Lin, H., et al. (2013). "Synchronization of chaotic outputs in multi-transverse-mode vertical-cavity surface-emitting lasers." Opt. Commun.**309**: 242-246.
1607. Lin, L. C., et al. (2018). "Comparison of optical feedback dynamics of InAs/GaAs quantum-dot lasers emitting solely on ground or excited states." Opt. Lett. **43**(2): 210-213.
1608. Lingnau, B., et. (2020). "Dynamic signatures of mode competition in optically injected high-beta lasers." New J. Phys. 22.
1609. Liu, A. J., et al. (2011). "Hybrid point/ring-defect photonic crystal VCSEL with high spectral purity and high output power." Laser Physics **21**(2): 379-382.
1610. Liu, A. J., et al. (2010). "Phase-locked ring-defect photonic crystal vertical-cavity surface-emitting laser." Appl. Phys. Lett.**96**(15).
1611. Liu, A. J., et al. (2011). "Graded index profiles and loss-induced single-mode characteristics in VCSELswith petal-shape holey structure." Chinese Physics B **20**(2).
1612. Liu, A. J., et al. (2010). "A novel photonic crystal vertical cavity surface emitting laser based on coherent coupling." Chinese Science Bulletin **55**(2): 111-113.
1613. Liu, A. J., et al. (2009). "Reduced divergence angle of photonic crystal vertical-cavity surface-emitting laser." Appl. Phys. Lett.**94**(19).
1614. Liu, A. J., et al. (2010). "Control of the photonic crystal waveguide over the beam profile of vertical-cavity surface-emitting lasers." Acta Phys. Sinica **59**(2): 1035-1039.
1615. Liu, J. X., et al. (2018). Power coupling characteristics of a single mode optical fiber with a rectangular hole. Tenth International Conference on Information Optics and Photonics. Y. Huang. **10964**.
1616. Liu, Y. Z., et al. (2017). "Exploiting Optical Chaos With Time-Delay Signature Suppression for Long-Distance Secure Communication." Ieee Photonics J. **9**(1).
1617. Logginov, A. S., et al. (2007). "Conditions for two-frequency lasing in coupled-cavity vertical-cavity surface-emitting lasers." Quantum Electronics **37**(6): 534-540.
1618. Lu, X. M., et al. (2017). "Two-color surface-emitting lasers by a GaAs-based coupled multilayer cavity structure for coherent terahertz light sources." J. of Crystal Growth **477**: 249-252.

1619. Lu, Y. K., et al. (2020). "Polarization-Independent Multilayer Slanted Grating with High Efficiency and Broad Spectral and Angular Bandwidths Under Normal Incidence." Acta Optica Sinica **40**(14).
1620. Malomed, B. A. and D. Mihalache (2019). "NONLINEAR WAVES IN OPTICAL AND MATTER-WAVE MEDIA: A TOPICAL SURVEY OF RECENT THEORETICAL AND EXPERIMENTAL RESULTS." Romanian J. of Physics **64**(5-6).
1621. Marciniak, M., et al. (2019). Monolithic high contrast gratings as highly reflective mirrors:optimization and fabrication. High Contrast Metastructures Viii. **10928**.
1622. Marconi, M., et al. (2013). "Robust square-wave polarization switching in vertical-cavity surface-emitting lasers." Phys. Rev.A **87**(1).
1623. Martinez-Lorente, R., (2015). "Experimental demonstration of phase bistability in a broad-area optical oscillator with injected signal." Phys. Rev.A **92**(5).
1624. Martinez-Lorente, R., (2017). "Scalable Electro-Optic Control of Localized Bistable Switching in Broad-Area VCSELs Using Reconfigurable Funnel Waveguides." Phys. Rev.Applied **7**(6).
1625. Mbe, J. H. T., et al. (2010). "Chaos and pulse packages in current-modulated VCSELs." Phys. Scripta **81**(3).
1626. Mbe, J. T. and P. Woafo (2009). "Electronic model for VCSELs: Switching mode, control of threshold current and saturation." Opt. Commun.**282**(22): 4390-4396.
1627. Meinecke, S., et al. (2020). "Optical feedback induced oscillation bursts in two-state quantum-dot lasers." Opt. Expr.**28**(3): 3361-3377.
1628. Meinecke, S., et al. (2017). Increasing Stability by Two-State Lasing in Quantum Dot Lasers with Optical Injection. Phys. Sim. Optoelectr. Dev. Xxv. B. Witzigmann, M. Osinski and Y. Arakawa. **10098**.
1629. Meinecke, S., et al. (2017). "Stability of Optically Injected Two-State Quantum-Dot Lasers." Annalen Der Physik **529**(12).
1630. Mercuri, F., et al. (2020). "Depth-Resolved Analysis of Double-Layered Cultural Heritage Artifacts by Pulsed Thermography." International J. of Thermophysics **41**(1).
1631. Michalski, K. A. and J. R. Mosig (2015). "Analysis of a Plane Wave-Excited Subwavelength Circular Aperture in a Planar Conducting Screen Illuminating a Multilayer Uniaxial Sample." Ieee Transactions on Antennas and Propagation **63**(5): 2054-2063.
1632. Mihalache, D. (2015). "LOCALIZED OPTICAL STRUCTURES: AN OVERVIEW OF RECENT THEORETICAL AND EXPERIMENTAL DEVELOPMENTS." Proc. Rom. Acad.Ser. A **16**(1): 62-69.
1633. Mihalache, D. (2015). "LOCALIZED STRUCTURES IN NONLINEAR OPTICAL MEDIA: A SELECTION OF RECENT STUDIES." Rom. Rep. Phys.**67**(4): 1383-1400.
1634. Mihalache, D. (2017). "MULTIDIMENSIONAL LOCALIZED STRUCTURES IN OPTICAL AND MATTER-WAVE MEDIA: A TOPICAL SURVEY OF RECENT LITERATURE." Rom. Rep. Phys.**69**(1).
1635. Mihalache, D. (2021). "LOCALIZED STRUCTURES IN OPTICAL AND MATTER-WAVE MEDIA: A SELECTION OF RECENT STUDIES." Rom. Rep. Phys.**73**(2).
1636. Morozov, Y. A., et al. (2006). "Simultaneous dual-wavelength emission from vertical external-cavity surface-emitting laser: A numerical modeling." Ieee J. Quant. Electr.**42**(9-10): 1055-1061.
1637. Mu, X. L., et al. (2020). Study of two-mode coexistence in 1550-nm VCSELssubject to variable polarization optical feedback. 24th Nat. Conf. Laser Techn. Optoelectronics.**11717**.
1638. Mulet, J., et al. (2007). "Square-wave switching by crossed-polarization gain modulation in vertical-cavity semiconductor lasers." Phys. Rev.A **76**(4).
1639. Nakwaski, W. (2008). "Principles of VCSEL designing." Opto-Electr. Rev. **16**(1): 18-26.
1640. Nakwaski, W., et al. (2018). New structure of semiconductor lasers: quantum cascade vertical-cavity surface-emitting laser (QC VCSEL). Laser Technology 2018: **10974**.
1641. Nazhan, S. and Z. Ghassemlooy (2019). "Antiphase chaotic synchronization enhancement in a vertical cavity surface emitting laser." Appl. Opt. **58**(35): 9491-9497.
1642. Odent, V., et al. (2014). "Experimental observation of front propagation in a negatively diffractive inhomogeneous Kerr cavity." Phys. Rev.A **90**(1).
1643. Odent, V., et al. (2016). Experimental Observation of Front Propagation in Lugiato-Lefever Equation in a Negative Diffractive Regime and Inhomogeneous Kerr Cavity. Nonl. Dyn.: **173:** 71-85.
1644. Osborne, S., et al. (2012). "Wavelength switching dynamics of two-colour semiconductor lasers with optical injection and feedback." Semicond. Sci. Techn.**27**(9).
1645. Otto, C., et al. (2014). "Manipulating coherence resonance in a quantum dot semiconductor laser via electrical pumping." Opt. Expr.**22**(11): 13288-13307.
1646. Panoiu, N. C., et al. (2008). "Semidiscrete solitons in arrayed waveguide structures with Kerr nonlinearity." Phys. Rev.A **78.**
1647. Parravicini, J., et al. (2014). "Observation of electro-activated localized structures in broad area VCSELs." Opt. Expr.**22**(24): 30225-30233.
1648. Pastor, D., et al. (2015). "Determination of the point spread function of layered metamaterials assisted with the blind deconvolution algorithm." Opt. Quant. Electr. **47**(1): 17-26.

1649. Pastuszczak, A., et al. (2012). Sub-Diffraction Linear Spatial Filtering with Layered Metamaterials. 2012 14th ICTON. M. Jaworski and M. Marciniak.
1650. Pastuszczak, A., et al. (2011). Slanted Layered Superlenses for Subwavelength Light Manipulation.
1651. Pastuszczak, A., et al. (2013). "Engineering the point spread function of layered metamaterials." Opto-Electr. Rev. **21**(4): 355-366.
1652. Pausch, J., et al. (2012). "Optically injected quantum dot lasers: impact of nonlinear carrier lifetimes on frequency-locking dynamics." New J. Phys. **14**.
1653. Pawlus, R., (2017). "Relative intensity noise reduction in a dual-state quantum-dot laser by optical feedback." Opt. Lett. **42**(21): 4259-4262.
1654. Pawlus, R., (2020). Control of dual-wavelength laser using monolithically integrated phase-controlled optical feedback. Semiconduc. Lasers and Laser Dynamics Ix. **11356**.
1655. Pawlus, R., (2016). Investigations on the relative intensity noise of a two-state quantum dot laser. Semiconduc. Lasers and Laser Dynamics Vii. **9892**.
1656. Penninck, L., et al. (2013). "Numerical simulation of stimulated emission and lasing in dye doped cholesteric liquid crystal films." J. Appl. Phys. **113.**
1657. Perez, P., et al. (2011). Polarization-resolved Nonl. Dyn. in long-wavelength single-mode VCSELs subject to orthogonal optical injection. Phys. Sim. Optoelectr. Dev. Xix. **7933**.
1658. Perez, P., et al. (2011). "Polarization-Resolved Nonl. Dyn. Induced by Orthogonal Optical Injection in Long-Wavelength VCSELs." Ieee J. Sel. Top. Quant. Electr. **17**(5): 1228-1235.
1659. Perez, P., et al. (2012). Deterministic and stochastic dynamics of linear polarizations emitted by single-mode VCSELs subject to orthogonal optical injection. Proc. Semicond. Lasers and Laser Dynamics V.. **8432**.
1660. Perez, P., et al. (2014). Characterization of the working parameters of a long-wavelength VCSEL. Proc. Semicond. Lasers and Laser Dynamics Vi. **9134**.
1661. Perez, P., et al. (2014). "Polarization-resolved characterization of long-wavelength vertical-cavity surface-emitting laser parameters." J. Opt. Soc. Am. B **31**(11): 2574-2580.
1662. Petrov, N. I., et al. (2018). "Subwavelength diffraction gratings in the visible spectral range." Quantum Electronics **48**(6): 537-544.
1663. Petrov, N. I., et al. (2019). Plasmon resonance in subwavelength gratings: influence of incident beam width. Metamaterials Xii. **11025**.
1664. Petrov, N. I., et al. (2020). Resonance absorption of visible light by subwavelength gratings. Metanano 2019. **1461**.
1665. Pilvi, T., et al. (2007). "Study of a novel ALD process for depositing MgF2 thin films." J. Mat. Chem. 17: 5077.
1666. Plante, M., et al. (1998). "Experimental investigation of a fiber-slab directional coupler." Opt. Commun.**148**(1-3): 144-150.
1667. Prior, E., et al. (2016). "Dynamics of dual-polarization VCSEL-based optical frequency combs under optical injection locking." Opt. Lett. **41**(17): 4083-4086.
1668. Qader, A. A., et al. (2012). "Circularly Polarized Optical Feedback Effects on the Polarization of VCSEL Emission." Phot. Techn. Lett. **24**(14): 1200-1202.
1669. Qiu, H. Y., et al. (2016). "Polarization switching characteristics in a 1550 nm VCSEL subject to circularly polarized optical injection." Chinese Opt. Lett. **14**(2).
1670. Quirce, A., et al. (2019). "VCSEL-Based Optical Frequency Combs Expansion Induced by Polarized Optical Injection." Ieee J. Sel. Top. Quant. Electr. **25**(6).
1671. Quirce, A., et al. (2018). Theoretical study of polarization dynamics in VCSEL-based optical frequency combs. Proc. Semiconduc. Lasers and Laser Dynamics Viii. **10682**.
1672. Quirce, A., et al. (2011). "Correlation properties and time-resolved dynamics of linear polarizations emitted by single-mode VCSELssubject to orthogonal optical injection." J. Opt. Soc. Am. B **28**(11): 2765-2776.
1673. Quirce, A., et al. (2012). Optical spectral analysis of the Nonl. Dyn. in long-wavelength single-mode VCSELs subject to orthogonal optical injection. Phys. Sim. Optoelectr. Dev. Xx. **8255**.
1674. Raizada, G. and B. P. Pal (1996). "Refractometers and tunable components based on side-polished fibers with multimode overlay waveguides: Role of the superstrate." Opt. Lett. **21**(6): 399-401.
1675. Redlich, C., (2016). "Mode-switching induced super-thermal bunching in quantum-dot microlasers." New J. Phys. **18**.
1676. Rodriguez, M. A., et al. (2018). "1/f noise in the intensity fluctuations of VCSELssubject to parallel optical injection." Phys. Rev.E **97**(4).
1677. Sarzala, R., (2018). "Thermal properties of GaN-based semiconductor-metal subwavelength grating VCSELs N.ovel current injection scheme." J. Phys. D **51**(28).
1678. Sarzala, R. P., et al. (2019). "Influence of Various Bottom DBR Designs on the Thermal Properties of Blue Semiconductor-Metal Subwavelength-Grating VCSELs." Materials **12**(19).
1679. Sarzala, R. P., et al. (2018). Metalized monolithic high-contrast grating as a mirror for GaN-based VCSELs. Gallium Nitride Materials and Devices Xiii. J. I. Chyi, H. Fujioka and H. Morkoc. **10532**.

1680. Scalora, M., et al. (2006). "Nonlinear pulse propagation in one-dimensional metal-dielectric multilayer stacks: Ultrawide bandwidth optical limiting." Phys. Rev.E **73**(1).
1681. Schemmelmann, T., et al. (2017). "Delayed feedback control of self-mobile cavity solitons in a wide-aperture laser with a saturable absorber." Chaos **27**(11).
1682. Schires, K., et al. (2011). "Polarization and Time-Resolved Dynamics of a 1550-nm VCSEL Subject to Orthogonally Polarized Optical Injection." Ieee Photonics J. **3**(3): 555-563.
1683. Seghilani, M. S., et al. (2014). "Photonic Crystal-based flat lens integrated on a Bragg mirror for High-Q external cavity low noise laser." Opt. Expr.**22**(5): 5962-5976.
1684. Shastri, B. J., et al. (2011). "Circuit Modeling of Carrier-Photon Dynamics in Composite-Resonator Vertical-Cavity Lasers." Ieee J. Quant. Electr.**47**(12): 1537-1546.
1685. Shi, X. Z., et al. (2009). Rate-Equation-Based VCSEL Model and Simulation.
1686. Shi, X. Z., et al. (2010). Multimode Rate-equation-based VCSEL Thermal and Spatial Model of Circuit Level.
1687. Shi, X. Z., et al. (2012). Modeling and Simulation of VCSEL's Turn-on Delay Based on Rate-equations. Mechanical and Aerospace Engineering, Pts 1-7. W. Fan. **110-116:** 3364-3370.
1688. Slimani, N., et al. (2016). Weakly nonlinear analysis and localised structures in nonlinear cavities with metamaterials. Semiconduc. Lasers and Laser Dynamics Vii. **9892**.
1689. Slimani, N., et al. (2016). Weakly Nonlinear Analysis and Localized Structures in Nonlinear Cavities with Metamaterials. Nonl. Dyn.: **173:** 153-166.
1690. Sohn, K. and J. W. Song (2001). Tunable multi-channel isolation filter using a fiber-to-LiNbO3 coupler with intermediate coupling layer. Fiber Optics and Optoelectronics for Network Applications. J. Liu and Z. Wang. **4603:** 10-18.
1691. Sompie, S. R. and H. P. Uranus (2012). The transverse modal properties of VCSEL with photonic crystal cladding of rectangular lattice pattern. International Conference on Advances Science and Contemporary Engineering 2012. F. L. Gaol. **50:** 388-396.
1692. Song, J., et al. (2015). "Experimental investigations on Nonl. Dyn. of a semiconductor laser subject to optical injection and fiber Bragg grating feedback." Optics Communi. **354**: 213-217.
1693. Stefaniuk, T., et al. (2011). Review of the Results of the COST MP0702 Exercise on the Sensitivity of Metal-Dielectric Layered Flat Lens to Fabrication Inaccuracies.
1694. Stefaniuk, T., et al. (2011). Effect of surface roughness on sub-wavelength imaging with layered metamaterial optical elements. Metamaterials Vi. **8070**.
1695. Stefaniuk, T., et al. (2015). Perfectly matched layer based multilayer absorbers. Metamaterials X. **9502**.
1696. Stefaniuk, T., et al. (2012). Plasmonic Lenses with Long Focal Lengths. 2012 14th ICTON. M. Jaworski and M. Marciniak.
1697. Stefaniuk, T., et al. (2014). "Optimum deposition conditions of ultrasmooth silver nanolayers." Nanoscale Research Lett. **9**: 1-9.
1698. Stefaniuk, T., et al. (2013). Fabrication of plasmonic structures on LN2 cooled substrates. Romopto 2012: Tenth Conference on Optics: Micro- to Nanophotonics Iii. V. I. Vlad. **8882**.
1699. Stefaniuk, T., et al. (2014). "Ultrasmooth metal nanolayers for plasmonic applications: surface roughness and specific resistivity." Appl. Opt. **53**(10): B237-B241.
1700. Stefaniuk, T., et al. (2015). Localized Plasmon Resonances on Grains in Smooth Ag Films. 2015 17th ICTON.
1701. Stefaniuk, T., et al. (2013). Resolution of near-field to near-field imaging with silver nanolayer. Metamaterials Viii. **8771**.
1702. Stolarek, M., et al. (2011). Numerical Analysis of Transmission through a Sub-Wavelength Metallic Aperture or Grating at Visible and Terahertz Wavelengths.
1703. Stolarek, M., et al. (2012). Asymmetric Transmission through Diffraction-Free Optically Linear Metamaterials. 2012 14th ICTON. M. Jaworski and M. Marciniak.
1704. Stolarek, M., et al. (2010). Sub-wavelength imaging using silver-dielectric metamaterial layered prism. 17th Slovak-Czech-Polish Optical Conference on Wave and Quantum Aspects of Contemporary Optics. J. Mullerova, D. Senderakova and S. Jurecka. **7746**.
1705. Stolarek, M., et al. (2013). Linear Sub-Diffraction Spatial Filtering with Plasmonic Materials. 2013 15th ICTON.
1706. Tabbert, F., et al. (2017). "Delay-induced depinning of localized structures in a spatially inhomogeneous Swift-Hohenberg model." Phys. Rev.E **95**(3).
1707. Toomey, J. P., et al. (2012). Mapping transients in the Nonlinear Dynamics of injected VCSEL. Proc. Semicond. Lasers and Laser Dynamics V.. **8432**.
1708. Toomey, J. P., et al. (2012). "Stability of the Nonlinear Dynamics of injected VCSEL." Opt. Expr.**20.**
1709. Torre, M. S., et al. (2017). "High frequency continuous birefringence-induced oscillations in spin-polarized vertical-cavity surface-emitting lasers." Opt. Lett. **42**(8): 1628-1631.
1710. Tsai, W. S., et al. (2019). "Centralized-Light-Source Two-Way PAM8/PAM4 FSO Communications With Parallel Optical Injection Locking Operation." Ieee Access **7**: 36948-36957.
1711. Tuniz, A. and B. T. Kuhlmey (2015). "Two-dimensional imaging in hyperbolic media-the role of field components and ordinary waves." Sci. Rep. **5**.

1712. Vahed, H. (2015). "Drifting of the Self-Pulsing Cavity Soliton in the Semiconductor Laser." Phot. Techn. Lett. **27: 2019.**
1713. Valle, A., et al. (2008). "Transverse mode competition effects on the dynamics of gain-switched vertical-cavity surface-emitting lasers." Appl. Phys. Lett.**93**(13).
1714. Vallee, R. and G. He (1996). "Coupling between an optical fiber and a planar waveguide." Opt. Commun.**126**(4-6): 293.
1715. Vaughan, M., et al. (2021). "The Overlap Factor Model of Spin-Polarised Coupled Lasers." Photonics **8**(3).
1716. Villar, P. I. and F. C. Lombardo (2015). "Decoherence of a solid-state qubit by different noise correlation spectra." Physics Lett. A **379**(4): 246-254.
1717. Voti, R. L., et al. (2012). "Optimization of thermochromic VO2 based structures with tunable thermal emissivity." J. Appl. Phys. **112**(3).
1718. Wang, C., et al. (2013). Impacts of carrier capture and relaxation rates on the modulation response of injection-locked quantum dot lasers. Phys. Sim. Optoelectr. Dev. Xxi. **8619**.
1719. Wang, D., et al. (2017). "State bistability between pure- and mixed-mode states in a 1550 nm vertical-cavity surface-emitting laser subject to parallel optical injection." Japanese J. Appl. Phys. **56**(7).
1720. Wang, D., et al. (2018). "Theoretical Investigation of State Bistability Between Pure- and Mixed-Mode States in a 1550-nm VCSEL Under Parallel Optical Injection." Ieee Access **6**: 19791-19797.
1721. Wang, H. Y., et al. (2020). "Suppression of Relative Intensity and Mode Partition Noises in Orthogonally Polarized Dual-Wavelength VCSEL." J. Lightwave Techn.**38**(23): 6612-6622.
1722. Wang, L. F., et al. (2020). "Theoretical modelling of single-mode lasing in microcavity lasers via optical interference injection." Opt. Expr.**28**(11): 16486-16496.
1723. Wang, Q., et al. (2020). "Experimental Investigations on Polarization Switching and Bistability in a 1550 nm VCSEL Subject to Orthogonal Optical Injection With Time-Varying Injection Power." Ieee Photonics J. **12**(5).
1724. Wang, S. F. and D. Z. Xu (2016). "A novel multi-soliton solution of breaking equation based on Weierstrass p function." Advances in Mechanical Engineering **8**(7).
1725. Wang, S. H., et al. (2020). "Photonic Associative Learning Neural Network Based on VCSELs and STDP." J. Lightwave Techn.**38**(17): 4691-4698.
1726. Wang, W., et al. (2011). "Coherent polarization stabilization in large-aperture rectangular post bottom-emitting vertical-cavity surface-emitting lasers." Opt. Commun.**284**(5): 1335-1338.
1727. Wang, X. F. (2013). "Polarization switching dynamics of vertical-cavity surface-emitting laser subject to negative optoelectronic feedback." Acta Phys. Sinica **62**(10).
1728. Wang, X. F. and J. Li (2014). "Dynamic characteristics of 1550 nm vertical-cavity surface-emitting laser subject to polarization-rotated optical feedback: the short cavity regime." Acta Phys. Sinica **63**(1).
1729. Wang, X. F., et al. (2016). "Polarization switching with low power consumption induced by optical feedback in long-wavelength vertical-cavity surface-emitting lasers." Acta Phys. Sinica **65**(2).
1730. Wang, X. F., et al. (2009). "Theoretical investigations on the polarization performances of current-modulated VCSELs subject to weak optical feedback." J. Opt. Soc. Am. B **26**(1): 160-168.
1731. Wen, D. D., et al. (2021). "VCSELs with On-Facet Metasurfaces for Polarization State Generation and Detection." Advanced Opt. Mater. **9**(9).
1732. Weng, G. E., et al. (2020). "Multiwavelength GaN-Based Surface-Emitting Lasers and Their Design Principles." Annalen Der Physik **532**(1).
1733. Wu, H. Y. and J. Zhou (2013). Negative Refraction in Indefinite Materials. China Functional Materials Technology and Industry Forum. G. Zhao, L. Lu, B. Long and Z. Nie. **320:** 143-149.
1734. Xiang, S. Y., et al. (2011). "Impact of unpredictability on chaos synchronization of VCSELswith variable-polarization optical feedback." Opt. Lett. **36**(17): 3497-3499.
1735. Xiang, S. Y., et al. (2016). "Emulation of Spiking Response and Spiking Frequency Property in VCSEL-Based Photonic Neuron." Ieee Photonics J. **8**(5).
1736. Xiang, S. Y., et al. (2016). Polarization and dynamical properties of VCSELs-based photonic neuron subject to optical pulse injection. Semiconductor Lasers and Applications Vii. **10017**.
1737. Xiang, S. Y., et al. (2017). "Cascadable Neuron-Like Spiking Dynamics in Coupled VCSELs Subject to Orthogonally Polarized Optical Pulse Injection." Ieee J. Sel. Top. Quant. Electr. **23.**
1738. Xiang, S. Y., et al. (2018). "Photonic Generation of Neuron-Like Dynamics Using VCSELs Subject to Double Polarized Optical Injection." J. Lightwave Techn.**36**(19): 4227-4234.
1739. Xiao, Y., et al. (2012). "Chaos synchronization between arbitrary two response VCSELs in a broadband chaos network driven by a bandwidth-enhanced chaotic signal." Opt. Commun.**285**(6): 1442.
1740. Xie, Y. D. and Y. Wang (2017). "New pressure control method of mixed gas in a combined cycle power plant of a steel mill." Enterprise Information Systems **11**(7): 1094-1104.
1741. Xie, Y. Y., et al. (2017). "Single fundamental mode photonic crystal VCSEL with high power and low threshold current optimized by modal loss analysis." Chinese Physics B **26**(1).
1742. Xie, Y. Y., et al. (2013). "Multi-point defect single-fundamental-mode photonic crystal vertical cavity surface emitting

laser." Opt. Laser Techn. **50**: 130-133.
1743. Xie, Y. Y., et al. (2015). "Polarization stable low threshold current single fundamental mode VCSELs." Opt. Mater. Express **5**(9): 1998-2005.
1744. Xu, G. L., et al. (2020). "Reconfigurable Optoelectronic Chaotic Logic Gates in Vertical Cavity Surface Emitting Laser with Optical Feedback." Chinese J. of Lasers-Zhongguo Jiguang **47**(12).
1745. Yang, W. Y., et al. (2019). "Experimental investigation on the Nonl. Dyn. of two mutually coupled 1550 nm multi-transverse-mode vertical-cavity surface-emitting lasers." Appl. Opt. **58**(5): 1271-1275.
1746. Yang, Z., et al. (2019). "Gain-embedded meta mirrors for optically pumped semiconductor disk lasers." Opt. Expr.**27**(20): 27882-27890.
1747. Yen, T. C., et al. (2010). Widely continuous-tuning single-wavelength laser based on commercial multimode VCSELs. 6th International Symposium on Precision Engineering Measurements and Instrumentation. J. Tan and X. Wen. **7544**.
1748. Yu, Y. T., et al. (2015). "The Influences of Boundary Shapes on Polarization Characteristics and Lasing Modes in Broad-Area VCSELsWith Cryogenic Detuning: Regular Versus Chaotic Cavities." Ieee J. Sel. Top. Quant. Electr. **21**(6): 1-6.
1749. Yu, Y. T., et al. (2014). "Exploring the influence of boundary shapes on emission angular distributions and polarization states of broad-area vertical-cavity surface-emitting lasers." Opt. Expr.**22**(22): 26939-26946.
1750. Yu, Y. T., et al. (2014). "Exploring lasing modes and polarization characteristics in broad-area square-shaped vertical-cavity surface emitting lasers with frequency detuning." Laser Phys. Lett. 11.
1751. Zamora-Munt, J. and C. Masoller (2008). "Generation of optical pulses in VCSELs below the static threshold using asymmetric current modulation." Opt. Expr.**16**(22): 17848-17853.
1752. Zhang, Y. H., et al. (2018). "Spike encoding and storage properties in mutually coupled VCSELssubject to optical pulse injection." Appl. Opt. **57**(7): 1731-1737.
1753. Zhang, Z. X., et al. (2020). "Controllable spiking dynamics in cascaded VCSEL-SA photonic neurons." Nonl. Dyn. **99**(2): 1103-1114.
1754. Zheng, S., et al. (1995). "ANALYSIS OF COUPLERS COMPOSED OF A FIBER HALF-BLOCK WITH A SLAB OVERLAY - EFFECTS OF CURVATURE OF THE FIBER AND ASYMMETRY OF THE SLAB WAVE-GUIDE." Iee Proc. Optoelectr. **142**(4): 176-182.
1755. Zheng, Z., et al. (2020). "High-Contrast Grating Structure Design for Liquid Crystal Tunable Vertical-Cavity Surface-Emitting Lasers." Laser & Optoelectronics Progress **57**(1).
1756. Zhong, D. Z., et al. (2016). "Controllable all-optical stochastic logic gates and their delay storages based on the cascaded VCSELs with optical-injection." Chinese Physics B **25**(9).
1757. Zhong, D. Z., et al. (2017). "Reconfigurable dynamic all-optical chaotic logic operations in an optically injected VCSEL." Chinese Physics B **26**(12).
1758. Zhong, Z. Q., et al. (2016). "Polarization Dynamics of 1550-nm VCSELs Subject to Polarization-Preserved FBG Feedback." Phot. Techn. Lett. **28**(9): 963-966.
1759. Zhou, Y. G., et al. (2020). "Optical Noise of Dual-State Lasing Quantum Dot Lasers." Ieee J. Quant. Electr.**56**(6).
1760. Zhou, Z. L., et al. (2015). "Multiple polarization switching in mutually coupled vertical-cavity surface emitting lasers." Acta Phys. Sinica **64.**
1761. Zhu, X., et al. (2010). "Nonlinear optical performance of periodic structures made from composites of polymers and Co3O4 nanoparticles." Appl. Phys. Lett.**97**(9).
1762. Zhu, X., et al. (2010). Nonlinear transmission using highly nonlinear Bragg mirrors. Organic Photonic Materials and Devices Xii. R. L. Nelson, F. Kajzar and T. Kaino. **7599**.
1763. Zhuang, J. P. and S. C. Chan (2013). "Tunable photonic microwave generation using optically injected semiconductor laser dynamics with optical feedback stabilization." Optics Lett. **38**(3): 344-346.
1764. Ziemann, D., et al. (2013). "Optical injection enables coherence resonance in quantum-dot lasers." Epl **103**(1).
1765. Adams, M., et al. (2018). "Algebraic expressions for the polarisation response of spin-VCSELs." Semicond. Sci. Techn.**33.**
1766. Aghaeipour, M., et al. (2013). "The effects of carrier dependant nonlinear gain on quantum well VCSEL characteristics." Opt. Quant. Electr. **45**(2): 115-126.
1767. Albugami, N. F. and E. A. Avrutin (2017). "Dynamic modelling of electrooptically modulated vertical compound cavity surface emitting semiconductor lasers." Optical and Quant Electronics **49**(9).
1768. Alfifi, H. Y. (2021). "Feedback Control for a Diffusive and Delayed Brusselator Model: Semi-Analytical Solutions." Symmetry-Basel **13**(4).
1769. Alias, M. S. and S. Shaari (2010). "Loss Analysis of High Order Modes in Photonic Crystal Vertical-Cavity Surface-Emitting Lasers." J. Lightwave Techn.**28**(10): 1556-1563.
1770. Alias, M. S. and S. Shaari (2011). "Analysis of single-mode condition and high-order modes discrimination in photonic crystal VCSEL." Appl. Phys. B **103**(4): 889-896.
1771. Alias, M. S., et al. (2010). "Highly confined and continuous single-mode operation of self-align photonic crystal oxide VCSEL." Appl. Phys. B **100**(3): 453-459.
1772. Allagui, A., et al. (2020). "Atmospheric pressure air microplasma current time series for true random bit generation." Sci. Rep. **10**(1).

1773. Arft, C., et al. (2000). "In-line fiber evanescent field electrooptic modulators." J. of Nonlinear Optical Physics & Materials **9**(1): 79-94.
1774. Babeva, T., et al. (2017). "Optical fiber-Ta2O5 waveguide coupler covered with hydrophobic zeolite film for vapor sensing." Sensors and Actuators B-Chemical **248**: 359-366.
1775. Baghdasaryan, H., et al. (2017). Solution of Boundary Problems in Intensity-Dependent Nano-Optics and Quantum Mechanics by the Method of Single Expression. 2017 19th ICTON.
1776. Bahloul, L., et al. (2014). Temporal localized structures in a photonic crystal fiber resonator. Nonlinear Optics and Its Applications Viii; and Quantum Optics Iii. **9136**.
1777. Bekele, D. A., et al. (2015). "Polarization-Independent Wideband High-Index-Contrast Grating Mirror." Phot. Techn. Lett. **27**(16): 1733-1736.
1778. Berrios-Caro, E., et al. (2020). "On the repulsive interaction between localised vegetation patches in scarce environments." Sci. Rep. **10**(1).
1779. Bisadi, Z., et al. (2016). "Generation of high quality random numbers via an all-silicon-based approach." Phys. Stat. Sol. A **213**(12): 3186-3193.
1780. Breuer, S., et al. (2011). "Joint Experimental and Theoretical Investigations of Two-State Mode Locking in a Strongly Chirped Reverse-Biased Quantum Dot Laser." Ieee J. Quant. Electr.47: 1320.
1781. Cardoso, W. B., et al. (2017). "Zero-dimensional limit of the two-dimensional Lugiato-Lefever equation." Eur. Phys. J. D **71**(5).
1782. Chabchoub, A. and R. H. J. Grimshaw (2016). "The Hydrodynamic Nonlinear Schrodinger Equation: Space and Time." Fluids **1**(3).
1783. Chan, H. N. and K. W. Chow (2018). "Numerical Investigation of the Dynamics of 'Hot Spots' as Models of Dissipative Rogue Waves." Appl. Sci.-Basel **8**(8).
1784. Chandani, S. M. N.. A. F. Jaeger (2007). "Optical fiber-based liquid level sensor." Opt. Eng. **46.**
1785. Charters, R. B., et al. (1994). "IN-LINE FIBEROPTIC COMPONENTS USING LANGMUIR-BLODGETT-FILMS." Opt. Lett. **19**(23): 2036-2038.
1786. Chen, J. J., et al. (2018). "Wideband Polarization-Resolved Chaos With Time-Delay Signature Suppression in VCSELs Subject to Dual Chaotic Optical Injections." Ieee Access **6**: 66807-66815.
1787. Chen, J. J., et al. (2018). "Complex-enhanced chaotic signals with time-delay signature suppression based on VCSELssubject to chaotic optical injection." Optical Review **25**(3): 356-364.
1788. Chen, J. J., et al. (2020). "Time-delay signature suppression of polarization-resolved wideband chaos in VCSELs with dual-path chaotic optical injections." Appl. Opt. **59**(24): 7217-7224.
1789. Chizhevsky, V. N. (2014). "Experimental evidence of vibrational resonance in a multistable system." Phys. Rev.E **89**(6).
1790. Chizhevsky, V. N. (2018). "Amplification of an Autodyne Signal in a Bistable Vertical-Cavity Surface-Emitting Laser with the Use of a Vibrational Resonance." Technical Physics Lett. **44**(1): 17-19.
1791. Chizhevsky, V. N. (2018). "Dynamics of a Bistable VCSEL Subject to Optical Feedback From a Vibrating Rough Surface." Ieee J. Quant. Electr.**54**(6).
1792. Cisternas, J., et al. (2020). "Gapped vegetation patterns: Crown/root allometry and snaking bifurcation." Chaos Solitons & Fractals **133**.
1793. Clerc, M. G., et al. (2020). "Nonlocal Raman response in Kerr resonators: Moving temporal localized structures and bifurcation structure." Chaos **30**(8).
1794. Clerc, M. G., et al. (2020). "Time-delayed nonlocal response inducing traveling temporal localized structures." Phys. Rev.Research **2**(1).
1795. Clerc, M. G., et al. (2020). "Introduction to Focus Issue: Instabilities N.onequilibrium structures." Chaos **30**(11).
1796. Das, A., A. Hussain (1997). "Single-mode fiber linearly tapered planar waveguide tunable coupler." Appl. Opt. 36: 6822.
1797. Das, A. K. and A. Hussain (1999). "Linear control of the spectral characteristics of wavelength-selective components with a high-index tapered thin-film planar waveguide and a single-mode half-coupler." Appl. Opt. **38**(12): 2451-2457.
1798. Dey, A. and M. Kulkarni (2020). "Emergence of chaos and controlled photon transfer in a cavity-QED network." Phys. Rev.Research **2**(4).
1799. Dikovska, A. O., et al. (2007). "ZnO thin film on side polished optical fiber for gas sensing applications." Applied Surface Science **254**(4): 1087-1090.
1800. Dikovska, A. O., et al. (2007). "Pulsed laser deposited ZnO film on side-polished fiber as a gas sensing element." Appl. Opt. **46**(13): 2481-2485.
1801. Dikovska, A. O., et al. (2010). "Optical sensing of ammonia using ZnO nanostructure grown on a side-polished optical-fiber." Sensors and Actuators B-Chemical **146**(1): 331-336.
1802. Dini, D., et al. (2016). "Nonlinear Opt. Mater. for the Smart Filtering of Optical Radiation." Chemical Rev. 116: 13043.
1803. Du, L. H., et al. (2010). "Bidirectional dual-channel chaos synchronization and communication based on mutually coupled VCSELs with optical feedback." J. Optoelectr. Adv. Mat.**12**(2): 171-176.
1804. Elsonbaty, A., et al. (2018). "Simultaneous concealment of time delay signature in chaotic nanolaser with hybrid

feedback." Optics and Lasers in Engineering **107**: 342-351.
1805. Escobedo, J. L. B., et al. (2019). "Distributed measurements of vibration frequency using phase-OTDR with a DFB laser self-stabilized through PM fiber ring cavity." Results in Physics **12**: 1840-1842.
1806. Escobedo, J. L. B., et al. (2021). "Microwave generator with a low-cost stabilised Brillouin fibre optic Brillouin laser for radio over fibre systems." Revista Mexicana De Fisica **67**(1): 109-113.
1807. Esteban, O., et al. (2002). "Surface plasmon excitation in fiber-optics sensors: A novel theoretical approach." J. Lightwave Techn.**20**(3): 448-453.
1808. Esteban, O., et al. (1999). "Measurement of the degree of salinity of water with a fiber-optic sensor." Appl. Opt. **38**(25): 5267-5271.
1809. Faria, P. E., et al. (2015). "Toward high-frequency operation of spin lasers." Phys. Rev.B **92**(7).
1810. Gebski, M., et al. (2013). "The Influence of Imperfections and Absorption on the Performance of a GaAs/AlOx High-Contrast Grating for Monolithic Integration With 980 nm GaAs-Based VCSELs." J. Lightwave Techn.**31**(23): 3853-3858.
1811. Gebski, M., et al. (2015). Double High Refractive-Index Contrast Grating VCSEL. VCSELs Xix, 9381.
1812. Gebski, M., et al. (2015). High-Contrast Grating reflectors for 980 nm Vertical-Cavity Surface-Emitting Lasers. High Contrast Metastructures IV. **9372**.
1813. Gebski, M., et al. (2017). Optimization of VCSELs incorporating monolithic subwavelength high-refractive-index contrast surface grating mirrors. High Contrast Metastructures Vi. **10113**.
1814. Gibson, R., (2007). "Improved sensing performance of D-fiber/planar waveguide couplers." Opt. Expr.**15**(5): 2139-2144.
1815. Gioannini, M., et al. (2014). "Two-state semiconductor laser self-mixing velocimetry exploiting coupled quantum-dot emission-states: experiment, simulation and theory." Opt. Expr.**22**(19): 23402.
1816. Guo, X. X., et al. (2018). "Information-Theory-Based Complexity Quantifier for Chaotic Semiconductor Laser With Double Time Delays." Ieee J. Quant. Electr.**54**(1).
1817. Gustavsson, J. S., et al. (2007). "Mode and polarisation control in VCSELs using shallow surface structures." Iet Optoelectronics **1**(5): 197-205.
1818. Hamilton, S. A., et al. (1998). "Polymer in-line fiber modulators for broadband radio-frequency optical links." J. Opt. Soc. Am. B **15**(2): 740-750.
1819. Haw, J. Y., et al. (2015). "Maximization of Extractable Randomness in a Quantum Random-Number Generator." Phys. Rev.Applied **3**(5).
1820. Hazdiuk, K., et al. (2020). "Simulating Self-Regeneration and Self-Replication Processes Using Movable Cellular Automata with a Mutual Equilibrium Neighborhood." Complex Systems **29**(4): 741-757.
1821. He, C. A., et al. (2019). "Frequency-induced polarization switching and bistability in a 1550nm VCSEL subject to parallel optical injection." Optical Review **26**(1): 95-102.
1822. He, Z. F., et al. (2020). "A monolithic integrated dual-wavelength of VCSEL using electrically pumped 9xx nm to optically pump 1064 nm." Optik **202**.
1823. Huang, H., et al. (2016). "Multimode optical feedback dynamics of InAs/GaAs quantum-dot lasers emitting on different lasing states." Aip Advances **6**(12).
1824. Hurtado, A., et al. (2013). "Two-Wavelength Switching With a 1310-nm Quantum Dot Distributed Feedback Laser." Ieee J. Sel. Top. Quant. Electr. **19**(4).
1825. Isoe, G. M., et al. (2017). Simultaneous 10 Gbps Data and Polarization-based Pulse-Per-Second Clock Transmission using a Single VCSEL for High Speed Optical Fibre Access Networks. Optical Metro Networks and Short-Haul Systems Ix. **10129**.
1826. Iwaszczuk, K. and K. A. Rutkowska (2008). Plane wave method for photonic liquid crystal fibers modeling. Photonics Applications in Astronomy, Communications, Industry, and High-Energy Physics Experiments 2008. **7124**.
1827. Jadan, M., et al. (2018). "Polarization switching mechanism in surface-emitting semiconductor lasers." Optik **158**: 118.
1828. Jasik, A., et al. (2019). "LT-AlSb Interlayer as a Filter of Threading Dislocations in GaSb Grown on (001) GaAs Substrate Using MBE." Crystals **9**(12).
1829. Jasik, A., et al. (2016). "Dual-wavelength vertical external-cavity surface-emitting laser: strict growth control and scalable design." Appl. Phys. B **122**(2).
1830. Jasik, A., et al. (2016). "Impact of strain on periodic gain structures in vertical external cavity surface-emitting lasers." Appl. Phys. B **122**(10).
1831. Jiang, X. W. (2019). "Polarization-Independent Wavelength-Tunable Vertical Cavity Surface Emitting Laser Based on Two-Dimensional Grating." Acta Optica Sinica **39**(6).
1832. Jiang, Z. F., et al. (2020). "Power-induced lasing state switching and bistability in a two-state quantum dot laser subject to optical injection." Optica Applicata **50**(2): 257-269.
1833. Jiang, Z. F., et al. (2019). "Nonl. Dyn. of Exclusive Excited-State Emission Quantum Dot Lasers Under Optical Injection." Photonics **6**(2).
1834. Jo, D. H., et al. (2011). "Modal loss mechanism of micro-structured VCSELs studied using full vector FDTD method." Opt. Expr.**19**(19): 18272-18282.
1835. Kelleher, B., et al. (2012). "Bounded phase phenomena in the optically injected laser." Phys. Rev.E **85**(4).

1836. Kelleher, B., et al. (2017). "Two-color bursting oscillations." Sci. Rep. **7**.
1837. Khanmohammadi, A., et al. (2015). Monolithically Integrated Optical Random Pulse Generator in High Voltage CMOS Technology. Essderc 2015 Proceedings of the 45th European Solid-State Device Research Conference. W. Pribyl, T. Grasser and M. Schrems**:** 138-141.
1838. Khanmohammadi, A., et al. (2015). "Monolithic Silicon Quantum Random Number Generator Based on Measurement of Photon Detection Time." Ieee Photonics J. **7**(5).
1839. Khromova, I. A. and L. A. Melnikov (2008). "Anisotropic photonic crystals: Generalized plane wave method and dispersion symmetry properties." Opt. Commun.**281**(21): 5458-5466.
1840. Khromova, I. A. and L. A. Melnikov (2008). Dispersion and symmetry properties of anisotropic photonic crystals of arbitrary geometry and dimension. Photonic Crystal Materials and Devices Viii. R. M. DeLaRue, C. Lopez, M. Midrio and P. Viktorovitch. **6989**.
1841. Kingni, S. T., et al. (2012). "Nonl. Dyn. in VCSELs driven by a sinusoidally modulated current and Rossler oscillator." Eur. Phys. J. Plus **127**(5).
1842. Kopylov, W., et al. (2015). "Dissipative two-mode Tavis-Cummings model with time-delayed feedback control." Phys. Rev.A **92**(6).
1843. Kreinberg, S., et al. (2019). "Mutual coupling and synchronization of optically coupled quantum-dot micropillar lasers at ultra-low light levels." Nature Commun. **10**.
1844. Krishnamurthy, V. and B. Klein (2009). "Comprehensive theory of plane-wave expansion based eigenmode method for scattering-matrix analysis of photonic structures." J. Opt. Soc. Am. B **26**(7): 1341-1350.
1845. Kruszka, R., (2011). "GaAs/AlGaAs photonic crystals for VCSEL-type semiconductor lasers." Opto-Electr. Rev. **19: 51.**
1846. Kuc, M., et al. (2015). "Impact of Heat Spreaders on Thermal Performance of III-N-Based Laser Diode." Ieee Transactions on Components Packaging and Manufacturing Technology **5**(4): 474-482.
1847. Lamy, J. M., et al. (2009). "Polarization control of 1.6 mu m VCSELsusing InAs quantum dashes on InP(001)." Appl. Phys. Lett.**95**(1).
1848. Lee, J. S., et al. (2013). Volatile Organic Compounds Optical Fiber Gas Sensor Based on Evanescent Field Coupling and Solvatochromism. 2013 Ieee Sensors**:** 266-269.
1849. Lee, S. G., et al. (1998). "Polymer waveguide overlays for side-polished fiber devices." Appl. Opt. **37**(3): 453-462.
1850. Li, N. Q., et al. (2014). "Two approaches for ultrafast random bit generation based on the chaotic dynamics of a semiconductor laser." Opt. Expr.**22**(6): 6634-6646.
1851. Li, N. Q., et al. (2018). "Enhancing optical-feedback-induced chaotic dynamics in semiconductor ring lasers via optical injection." Nonl. Dyn. **92**(2): 315-324.
1852. Li Voti, R., (2015). "Photothermal Characterization of Thermochromic Materials for Tunable Thermal Devices." International J. of Thermophysics **36**(5-6): 1004-1015.
1853. Li, X. Z. and S. C. Chan (2013). "Heterodyne Random Bit Generation Using an Optically Injected Semiconductor Laser in Chaos." Ieee J. Quant. Electr.**49**(10): 829-838.
1854. Li, X. Z., et al. (2015). "Random bit generation at tunable rates using a chaotic semiconductor laser under distributed feedback." Opt. Lett. **40**(17): 3970-3973.
1855. Li, X. Z., et al. (2016). "Randomness evaluation for an optically injected chaotic semiconductor laser by attractor reconstruction." Phys. Rev.E **94**(4).
1856. Lindemann, M., et al. (2016). "Frequency tuning of polarization oscillations: Toward high-speed spin-lasers." Appl. Phys. Lett.**108.**
1857. Lindemann, M., et al. (2019). "Ultrafast spin-lasers." Nature **568**(7751): 212-+.
1858. Lingnau, B., et. (2020). "Dynamic signatures of mode competition in optically injected high-beta lasers." New J. Phys. 22.
1859. Liu, A. J., et al. (2010). "Control of the photonic crystal waveguide over the beam profile of vertical-cavity surface-emitting lasers." Acta Phys. Sinica **59**(2): 1035-1039.
1860. Liu, F., et al. (2012). "Study on influence of oxide aperture shape on modal characteristics of VCSELs." Acta Phys. Sinica **61**(5).
1861. Liu, Y. C. and T. Byrnes (2016). "FDTD and transfer matrix methods for evaluating the performance of photonic crystal based microcavities for exciton-polaritons." Semicond. Sci. Techn.**31**(11).
1862. Lopez-Mercado, C. A., et al. (2018). Cost-effective laser source for phase-OTDR vibration sensing. Optical Sensing and Detection V. F. Berghmans and A. G. Mignani. **10680**.
1863. Lopez-Mercado, C. A., et al. (2020). "Optimization algorithm for detection in a phi-OTDR system based on a DFB laser linked through a fiber optic resonator ring." Revista Mexicana De Fisica **66**(5): 637.
1864. Lu, L., et al. (2012). "Effect of polarization properties on Doppler velocimetry with Vertical-Cavity Surface-Emitting lasers." Optik **123**(4): 329-332.
1865. Ma, G. T., et al. (2010). "Numerical Investigation of the Lateral Movement Influence on the Levitation Force of the Bulk HTS Based on a 3-D Model." Ieee Trans. Appl. Supercond. **20**(3): 924-928.
1866. Malomed, B. A. and D. Mihalache (2019). "NONLINEAR WAVES IN OPTICAL AND MATTER-WAVE MEDIA: A TOPICAL

SURVEY OF RECENT THEORETICAL AND EXPERIMENTAL RESULTS." Romanian J. of Physics **64**(5-6).
1867. Manzetti, S. (2018). "Mathematical Modeling of Rogue Waves: A Survey of Recent and Emerging Mathematical Methods and Solutions." Axioms **7**(2).
1868. Marjani, S. (2013). "Optimization of an InGaAsP Vertical-Cavity Surface-Emitting Diode Lasers for High-Power Single-Mode Operation in 1550 inn Optical-Fibre Communication Systems." Asian J. Chem. **25**(8): 4150-4152.
1869. Messaoudi, M., et al. (2020). "Patchy landscapes in arid environments: Nonlinear analysis of the interaction-redistribution model." Chaos **30**(9).
1870. Michalski, K. A. and J. R. Mosig (2015). "Analysis of a Plane Wave-Excited Subwavelength Circular Aperture in a Planar Conducting Screen Illuminating a Multilayer Uniaxial Sample." Ieee Transactions on Antennas and Propagation **63**(5): 2054-2063.
1871. Mihalache, D. (2017). "MULTIDIMENSIONAL LOCALIZED STRUCTURES IN OPTICAL AND MATTER-WAVE MEDIA: A TOPICAL SURVEY OF RECENT LITERATURE." Rom. Rep. Phys.**69**(1).
1872. Mishakov, G. V. and V. I. Sokolov (2001). Precision technique for side-polished fibers fabrication. Seventh International Conference on Laser and Laser-Information Technologies. V. Y. Panchenko and V. S. Golubev. **4644:** 498-502.
1873. Mu, P. H., et al. (2019). "Simultaneous Chaos Time-Delay Signature Cancellation and Bandwidth Enhancement in Cascade-Coupled Semiconductor Ring Lasers." Ieee Access **7**: 11041-11048.
1874. Mu, P. H., et al. (2019). "Numerical study of the time-delay signature in chaos optical injection system with phase-conjugate feedback." Optik **179**: 71-75.
1875. Mu, P. H., et al. (2017). "Optimizing chaos time-delay signature in two mutually-coupled semiconductor lasers through controlling internal parameters." Modern Physics Lett. B **31**(10).
1876. Nagler, B., et al. (2003). "Stochastic resonance in VCSELsbased on a multiple time-scale analysis." Phys. Rev.E **67**(5).
1877. Nakwaski, W. (2011). "VCSEL structures used to suppress higher-order transverse modes." Opto-Electr. Rev. **19**(1): 119.
1878. Nazhan, S., et al. (2015). "Investigation of polarization switching of VCSEL subject to intensity modulated and optical feedback." Opt. Laser Techn. **75**: 240-245.
1879. Nikolic, M., et al. (2013). "Self-mixing laser Doppler flow sensor: an optofluidic implementation." Appl. Opt. **52: 8128.**
1880. Nyakas, P. (2013). "Honeycomb photonic crystal vertical-cavity surface-emitting lasers: coupled cavities enhancing the single-mode range." J. Opt. Soc. Am. B **30**(12): 3284-3290.
1881. Ohtsubo, J., et al. (2009). "Numerical Study of Doppler Dynamics in Self-Mixing Semiconductor Lasers." Phot. Techn. Lett. **21**(9-12): 742-744.
1882. Pal, K., et al. (2020). "Spatiotemporal antiresonance in coupled reaction-diffusion systems." Phys. Rev.E **101**(5).
1883. Paranthoen, C., et al. (2021). "Low Threshold 1550-nm Emitting QD Optically Pumped VCSEL." Phot. Techn. Lett. **33: 69.**
1884. Parra-Rivas, P., et al. (2021). "Influence of stimulated Raman scattering on Kerr domain walls and localized structures." Phys. Rev.A **103**(1).
1885. Paul, K. and A. K. Sarma (2015). "Shortcut to adiabatic passage in a waveguide coupler with a complex-hyperbolic-secant scheme." Phys. Rev.A **91**(5).
1886. Paul, K. and A. K. Sarma (2016). "High-fidelity entangled Bell states via shortcuts to adiabaticity." Phys. Rev.A **94**(5).
1887. Pawlus, R., (2017). "Relative intensity noise reduction in a dual-state quantum-dot laser by optical feedback." Opt. Lett. **42**(21): 4259-4262.
1888. Perchoux, J., et al. (2007). Multimode VCSELs for self-mixing velocity measurements. 2007 Ieee Sensors, Vols 1-3**:** 419.
1889. Perez, P., et al. (2011). Polarization-resolved Nonl. Dyn. in long-wavelength single-mode VCSELs subject to orthogonal optical injection. Phys. Sim. Optoelectr. Dev. Xix. **7933**.
1890. Perez, P., et al. (2012). Deterministic and stochastic dynamics of linear polarizations emitted by single-mode VCSELs subject to orthogonal optical injection. Proc. Semicond. Lasers and Laser Dynamics V.. **8432**.
1891. Petrov, N. I., et al. (2019). Plasmon resonance in subwavelength gratings: influence of incident beam width. Metamaterials Xii. **11025**.
1892. Porta, P. A., et al. (2002). "Laser Doppler velocimetry by optical self-mixing, in vertical-cavity surface-emitting lasers." Phot. Techn. Lett. **14**(12): 1719-1721.
1893. Qader, A. A., et al. (2012). "Circularly Polarized Optical Feedback Effects on the Polarization of VCSEL Emission." Phot. Techn. Lett. **24**(14): 1200-1202.
1894. Qin, L., et al. (2019). "Optoelectronic properties of vertical-cavity surface-emitting laser at low temperature." Acta Phys. Sinica **68**(19).
1895. Quirce, A., et al. (2011). "Correlation properties and time-resolved dynamics of linear polarizations emitted by single-mode VCSELssubject to orthogonal optical injection." J. Opt. Soc. Am. B **28**(11): 2765-2776.
1896. Quirce, A., et al. (2012). Optical spectral analysis of the Nonl. Dyn. in long-wavelength single-mode VCSELs subject to orthogonal optical injection. Phys. Sim. Optoelectr. Dev. Xx. **8255**.
1897. Redlich, C., (2016). "Mode-switching induced super-thermal bunching in quantum-dot microlasers." New J. Phys. **18**.
1898. Rodriguez, M. A., et al. (2018). "1/f noise in the intensity fluctuations of VCSELssubject to parallel optical injection." Phys. Rev.E **97**(4).

1899. Sabuncu, M. (2016). "Towards Laser-based Photonic Chip Integrated Quantum Random Number Generators." Lasers in Engineering **33**(1-3): 117-127.
1900. Sarzala, R. P., et al. (2014). "Effect of Relief Aperture on Single-Fundamental-Mode Emission of 1.3-mu m GaInNAs GaAs-Based VCSELs." Ieee J. Quant. Electr.**50**(11): 874-881.
1901. Schemmelmann, T., et al. (2017). "Delayed feedback control of self-mobile cavity solitons in a wide-aperture laser with a saturable absorber." Chaos **27**(11).
1902. Schires, K., et al. (2011). "Polarization and Time-Resolved Dynamics of a 1550-nm VCSEL Subject to Orthogonally Polarized Optical Injection." Ieee Photonics J. **3**(3): 555-563.
1903. Seurin, J. F., et al. (2013). High-power red VCSEL arrays. VCSELsXvii. **8639**.
1904. Sondermann, M., et al. (2003). Dynamics and Polarization Effects in small-area VCSELsin free-running Mode and with time-delayed Feedback. Vcsels and Opt. Interconnects. **4942:** 92-102.
1905. Sondermann, M., et al. (2004). "Polarization switching to the gain disfavored mode in vertical-cavity surface-emitting lasers." Ieee J. Quant. Electr.**40**(2): 97-104.
1906. Sondermann, M., et al. (2003). "Two-frequency emission and polarization dynamics at lasing threshold in vertical-cavity surface-emitting lasers." Phys. Rev.A **68**(3).
1907. Soriano, M. C., et al. (2013). "Complex photonics: Dynamics and applications of delay-coupled semiconductors lasers." Reviews of Modern Physics **85**(1): 421-470.
1908. Spiewak, P., et al. (2015). Single and double oxidations in a 980 nm VCSEL - impact on certain electrical and optical properties. VCSELs Xix, 9381.
1909. Spirin, V. V., et al. (2020). "Dual-frequency laser comprising a single fiber ring cavity for self-injection locking of DFB laser diode and Brillouin lasing." Opt. Expr.**28**(25): 37322-37333.
1910. Spirin, V. V., et al. (2020). "Stabilizing DFB laser injection-locked to an external fiber-optic ring resonator." Opt. Expr.**28**(1): 478-484.
1911. Spirin, V. V., et al. (2018). Fiber laser for application in phase sensitive optical time domain reflectometry. Fiber Lasers Xv: Technology and Systems. I. Hartl and A. L. Carter. **10512**.
1912. Spirin, V. V., et al. (2020). "Using a Semiconductor Laser with Frequency Capture as an Operating Optical Generator of a Coherent Reflectometer for Distributed Vibration Frequency Meaurements." Instruments and Experimental Techniques **63**(4): 476-480.
1913. Statkiewicz-Barabach, G., et al. (2014). "Higher-order rocking filters induced mechanically in fibers with different birefringence dispersion." Appl. Opt. **53**(7): 1258-1267.
1914. Stolarek, M., et al. (2011). Numerical Analysis of Transmission through a Sub-Wavelength Metallic Aperture or Grating at Visible and Terahertz Wavelengths.
1915. Stoyanova, E., et al. (2019). "Adiabatic motion of a charged particle in spatially uniform N.onuniform static magnetic fields." Phys. Scripta **94**(5).
1916. Szpulak, M., et al. (2006). "Comparison of different methods for rigorous modeling of photonic crystal fibers." Opt. Expr.**14**(12): 5699-5714.
1917. Tabbert, F., et al. (2017). "Delay-induced depinning of localized structures in a spatially inhomogeneous Swift-Hohenberg model." Phys. Rev.E **95**(3).
1918. Taghizadeh, A., et al. (2016). "Numerical Investigation of Vertical Cavity Lasers With High-Contrast Gratings Using the Fourier Modal Method." J. Lightwave Techn.**34**(18): 4240-4251.
1919. Tan, Y. D. and S. L. Zhang (2009). "Intensity modulation and multi modes hopping induced by phase change in external cavity Nd:YAG lasers." Opt. Commun.**282**(9): 1867-1870.
1920. Tan, Y. D., et al. (2009). "Measurement of a polarization cross-saturation coefficient in two-mode Nd:YAG lasers by polarized optical feedback." J. Phys. B **42**(2).
1921. Tang, X., et al. (2015). "Generation of multi-channel high-speed physical random numbers originated from two chaotic signals of mutually coupled semiconductor lasers." Laser Physics Lett. **12**(1).
1922. Tchakounte, F. M., et al. (2021). "Time-delayed feedback with global and local contributions on spatiotemporal dynamics of waves in fiber cavity." Eur. Phys. J. Plus **136**(1).
1923. Ting, K. T. and F. Y. Lin (2018). "Generation of random on-off modulation pulses by optically injecting a gain-switched Fabry-Perot semiconductor laser with a dual-mode injection for random-modulation pulsed lidar applications." Opt. Expr.**26**(19): 24294-24306.
1924. Toomey, J. P., et al. (2012). Mapping transients in the Nonlinear Dynamics of injected VCSEL. Proc. Semicond. Lasers and Laser Dynamics V.. **8432**.
1925. Tsai, W. S., et al. (2019). "Centralized-Light-Source Two-Way PAM8/PAM4 FSO Communications With Parallel Optical Injection Locking Operation." Ieee Access **7**: 36948-36957.
1926. Tuniz, A. and B. T. Kuhlmey (2015). "Two-dimensional imaging in hyperbolic media-the role of field components and ordinary waves." Sci. Rep. **5**.
1927. Tykalewicz, B., et al. (2014). All-optical switching with a dual state quantum dot laser. Proc. Semicond. Lasers and Laser

Dynamics Vi. **9134**.
1928. Ura, S., et al. (2010). "Continuous Emission-Point Shift in Vertical-Cavity Surface-Emitting Laser Controlled by Optical Feedback." Japanese J. Appl. Phys. **49**(1).
1929. Ura, S., et al. (2011). "In-line rotation sensor based on VCSEL behavior under polarization-rotating optical feedback." Opt. Expr.**19**(24): 23683-23688.
1930. Uy, C. (2018). "Sustained oscillations accompanying polarization switching in laser dynamics." Opt. Expr.**26**(13): 16917.
1931. Valle, A., et al. (2018). "Polarization Effects on Photonic Microwave Generation in VCSELs Under Optical Injection." Phot. Techn. Lett. **30**(13): 1266-1269.
1932. Vallee, R. and G. He (1996). "Coupling between an optical fiber and a planar waveguide." Opt. Commun.**126**(4-6): 293.
1933. Vidal, B. D. (2011). "Butterfly scale form birefringence photonics." Micron **42**(8): 801-807.
1934. Viktorov, E. A., et al. (2016). "Injection-induced, tunable all-optical gating in a two-state quantum dot laser." Opt. Lett. **41**(15): 3555-3558.
1935. Volet, N. (2015). Theory and characterization of elliptically polarized modes in vertical-cavity surface-emitting lasers. VCSELs Xix, 9381.
1936. Volet, N., et al. (2012). Polarization mode structure in long-wavelength wafer-fused vertical-cavity surface-emitting lasers. Proc. Semicond. Lasers and Laser Dynamics V.. **8432**.
1937. Wang, C., et al. (2019). "Comparison of Self-Injection Locking of DFB-LD by Optical Fiber and Optical Waveguide Ring Resonators." Fiber and Integrated Optics **38**(6): 323-332.
1938. Wang, D., et al. (2018). "Theoretical Investigation of State Bistability Between Pure- and Mixed-Mode States in a 1550-nm VCSEL Under Parallel Optical Injection." Ieee Access **6**: 19791-19797.
1939. Wang, H. X., et al. (2020). "Key space enhancement of a chaos secure communication based on VCSELs with a common phase-modulated electro-optic feedback." Opt. Expr.**28**(16): 23961-23977.
1940. Wang, Q., et al. (2020). "Experimental Investigations on Polarization Switching and Bistability in a 1550 nm VCSEL Subject to Orthogonal Optical Injection With Time-Varying Injection Power." Ieee Photonics J. **12**(5).
1941. Wang, Y. Z., et al. (2020). "Recent advances in real-time spectrum measurement of soliton dynamics by dispersive Fourier transformation." Reports on Progress in Physics **83**(11).
1942. Wieckowska, M., et al. (2020). "Impact of an Antiresonant Oxide Island on the Lasing of Lateral Modes in VCSELs." Materials **13**(9).
1943. Wu, Y. R., (2019). Two-Way PAM8/PAM4 VCSEL-Based IVLLC System with Parallel Optical Injection Locking.
1944. Xiang, S. Y., et al. (2018). "Photonic Generation of Neuron-Like Dynamics Using VCSELs Subject to Double Polarized Optical Injection." J. Lightwave Techn.**36**(19): 4227-4234.
1945. Xie, Y. Y., et al. (2017). "Single fundamental mode photonic crystal VCSEL with high power and low threshold current optimized by modal loss analysis." Chinese Physics B **26**(1).
1946. Xu, T. H., et al. (2012). "Simulation and Analysis of Dynamic Regimes Involving Ground and Excited State Transitions in Quantum Dot Passively Mode-Locked Lasers." Ieee J. Quant. Electr.**48**(9): 1193-1202.
1947. Yarunova, E. A., et al. (2018). Dynamics of the optical field in the ring cavity with nonlinear metamaterial and time-delayed feedback. Saratov Fall Meeting 2017: Laser Physics and Photonics Xviii; and Computational Biophysics and Analysis of Biomedical Data Iv. V. L. Derbov and D. E. Postnov. **10717**.
1948. Yousefvand, H. R. and Z. Faris (2017). "Theoretical study of laser-mode competition in quantum-dot semiconductor lasers using a self-consistent model." J. Opt. Soc. Am. B 34: 1580.
1949. Zamora-Munt, J. and C. Masoller (2010). "Numerical implementation of a VCSEL-based stochastic logic gate via polarization bistability." Opt. Expr.**18**(16): 16418-16429.
1950. Zhang, H., et al. (2017). "Complexity-enhanced polarization-resolved chaos in a ring network of mutually coupled VCSELswith multiple delays." Appl. Opt. **56**(24): 6728-6734.
1951. Zhang, Y. N., et al. (2007). "Polarization properties of elliptical core non-hexagonal symmetry polymer photonic crystal fibre." Chinese Physics **16**(6): 1719-1724.
1952. Zheng, S., et al. (1997). "Composite optical fibre-slab waveguides: A scalar, coupled-mode analysis with vector corrections." Opt. Quant. Electr. **29**(6): 671-682.
1953. Zheng, S., et al. (1995). "ANALYSIS OF COUPLERS COMPOSED OF A FIBER HALF-BLOCK WITH A SLAB OVERLAY - EFFECTS OF CURVATURE OF THE FIBER AND ASYMMETRY OF THE SLAB WAVE-GUIDE." Iee Proc. Optoelectr. **142**(4): 176-182.
1954. Zhou, Y. G., et al. (2020). "Optical Noise of Dual-State Quantum Dot Lasers." J. Quant. Electr.**56**.
1955. Adams, M., et al. (2018). "Algebraic expressions for the polarisation response of spin-VCSELs." Semicond. Sci. Techn.**33.**
1956. Ahmed, N., et al. (2019). "SPATIO-TEMPORAL NUMERICAL MODELING OF AUTO-CATALYTIC BRUSSELATOR MODEL." Romanian J. of Physics **64**(7-8).
1957. Akhmediev, N., et al. (2018). "Dissipative solitons with extreme spikes in the normal and anomalous dispersion regimes." Phil. Tran. Royal Soc. A **376**(2124).
1958. Albugami, N. F. and E. A. Avrutin (2017). "Dynamic modelling of electrooptically modulated vertical compound cavity surface emitting semiconductor lasers." Opt. Quant. Electr. **49**(9).

1959. Alfifi, H. Y. (2021). "Feedback Control for a Diffusive and Delayed Brusselator Model: Semi-Analytical Solutions." Symmetry-Basel **13**(4).
1960. Alias, M. S. and S. Shaari (2011). "Analysis of single-mode condition and high-order modes discrimination in photonic crystal VCSEL." Appl. Phys. B **103**(4): 889-896.
1961. Allagui, A., et al. (2020). "Atmospheric pressure air microplasma current time series for true random bit generation." Sci. Rep. **10**(1).
1962. AlMulla, M. (2020). "Microwave frequency comb generation through optical double-locked semiconductor lasers." Optik **223**.
1963. Al-Samaneh, A., et al. (2012). "Polarization-stable VCSELswith inverted grating relief for use in microscale atomic clocks." Appl. Phys. Lett.**101**(17).
1964. Andreev, A., et al. (1998). "a-Si : H film on side-polished fiber as optical polarizer N.arrow-band filter." Thin Solid Films **330**(2): 150-156.
1965. Antkowiak, M., et al. (2005). "Phase and group modal birefringence of triple-defect photonic crystal fibres." J. Opt. a-Pure and Appl. Opt. **7**(12): 763-766.
1966. Babu Dayal, P., et al. (2007). "Polarization control of 1.15 mu m VCSELsusing autocloned photonic crystal polarizer." Appl. Phys. Lett.**91**(4).
1967. Bartolo, A., et al. (2021). "Manipulation of temporal localized structures in a vertical external-cavity surface-emitting laser with optical feedback." Opt. Lett. **46**(5): 1109-1112.
1968. Bisadi, Z., et al. (2016). "Generation of high quality random numbers via an all-silicon-based approach." Phys. Stat. Sol. A **213**(12): 3186-3193.
1969. Boisnard, B., et al. (2020). "CW Operation of a Tunable 1550-nm VCSEL Integrating Liquid-Crystal Microcells." Phot. Techn. Lett. **32**(7): 391-394.
1970. Bosman, E., et al. (2013). Assembly of Optoelectronics for Efficient Chip-to-Waveguide Coupling.
1971. Bosman, E., et al. (2014). Polymer integration of optoelectronic devices in on-board and board-to-board optical communication systems. Optical Interconnects Xiv. **8991**.
1972. Briand, D., et al. (2011). Why Going Towards Plastic and Flexible Sensors? Eurosensors Xxv **25**.
1973. Chabchoub, A. and R. H. J. Grimshaw (2016). "The Hydrodynamic Nonlinear Schrodinger Equation: Space and Time." Fluids **1**(3).
1974. Chan, C. A., et al. (2019). "Experimental Observation of Dynamical Behavior of Self-mixing by Doppler Feedback in Microchip Nd:YAG Laser." Sensors and Materials **31**(8): 2433-2439.
1975. Chan, H. N. and K. W. Chow (2018). "Numerical Investigation of the Dynamics of 'Hot Spots' as Models of Dissipative Rogue Waves." Appl. Sci.-Basel **8**(8).
1976. Chaqmaqchee, F. A. I. and J. A. Lott (2020). "Impact of oxide aperture diameter on optical output power, spectral emission, and bandwidth for 980 nm VCSELs." Osa Continuum **3**(9): 2602-2613.
1977. Chembo, Y. K., et al. (2019). "Optoelectronic oscillators with time-delayed feedback." Reviews of Modern Physics **91**(3).
1978. Chen, J., et al. (2016). "Investigations on the polarization switching and bistability in a 1550 nm vertical-cavity surface-emitting laser under variable-polarization optical injection." Acta Phys. Sinica **65**(16).
1979. Chen, J. J., et al. (2018). "Wideband Polarization-Resolved Chaos With Time-Delay Signature Suppression in VCSELs Subject to Dual Chaotic Optical Injections." Ieee Access **6**: 66807-66815.
1980. Chen, J. J., et al. (2018). "Complex-enhanced chaotic signals with time-delay signature suppression based on VCSELssubject to chaotic optical injection." Optical Review **25**(3): 356-364.
1981. Chen, J. J., et al. (2020). "Time-delay signature suppression of polarization-resolved wideband chaos in VCSELs with dual-path chaotic optical injections." Appl. Opt. **59**(24): 7217-7224.
1982. Chen, J. J., et al. (2017). "Polarization Bistability in a 1550 nm Vertical-Cavity Surface-Emitting Laser Subject to Variable Polarization Optical Injection." Ieee Photonics J. **9**(2).
1983. Clerc, M. G., et al. (2020). "Introduction to Focus Issue: Instabilities N.onequilibrium structures." Chaos **30**(11).
1984. Cook, K. T., et al. (2019). "Resonant-anti resonant coupled cavity VCSELs." Opt. Expr.**27**(3): 1798.
1985. Craggs, G. M. J., et al. (2010). Speckle characteristics of a laser projector using nonmodal laser emission of a semiconductor laser. Speckle 2010: Optical Metrology. **7387**.
1986. Craggs, G. M. J., et al. (2010). Low-speckle laser projection using farfield nonmodal emission of a broad-area vertical-cavity surface-emitting laser. Semiconduc. Lasers and Laser Dynamics Iv. **7720**.
1987. Cunningham, D. G. and I. H. White (2020). "Advances in local area optical data communication systems." Reports on Progress in Physics **83**(7).
1988. Das, A., A. Hussain (1997). “Single-mode fiber linearly tapered planar waveguide tunable coupler.” Appl. Opt. 36: 6822.
1989. Das, A. K. and A. Hussain (1999). "Linear control of the spectral characteristics of wavelength-selective components with a high-index tapered thin-film planar waveguide and a single-mode half-coupler." Appl. Opt. **38**(12): 2451-2457.
1990. Dayal, P. B. and F. Koyama (2007). "Polarization control of 0.85 mu m VCSELsintegrated with gold nanorod arrays." Appl. Phys. Lett.**91**(11).

1991. DelRe, E., et al. (2005). "Observation of soliton ridge states for the self-imprinting of fiber-slab couplers." Appl. Phys. Lett.**86**(19).
1992. Deng, T., et al. (2015). "Two-Mode Coexistence in 1550-nm VCSELs With Optical Feedback." Phot. Techn. Lett. **27: 2075.**
1993. Deng, T., et al. (2017). "Experimental investigation on Nonl. Dyn. of 1550 nm VCSEL simultaneously subject to orthogonal optical injection N.egative optoelectronic feedback." Laser Physics **27**(4).
1994. Deng, Z. L., et al. (2021). "Ultra-Compact Organic Vertical-Cavity Laser With High-Contrast Grating Feedback for Gas Detection." Ieee Sensors J. **21**(3): 2821-2827.
1995. Dey, A. and M. Kulkarni (2020). "Emergence of chaos and controlled photon transfer in a cavity-QED network." Phys. Rev.Research **2**(4).
1996. di Sopra, F. M., et al. (2002). "Polarization control in strained T-bar VCSELs." Phot. Techn. Lett. **14**(8): 1034-1036.
1997. Ding, Z. Y., et al. (2019). "Generation of Wide -Bandwidth Polarized Chaotic Signals Based on VCSEL Subject to Dual Chaotic Optical Injection." Acta Optica Sinica **39**(2).
1998. Dinleyici, M. S. (2003). "An experimental work on optical component based on D-fiber/slab evanescent coupling structure." Opt. Quant. Electr. **35**(1): 75-84.
1999. Dinleyici, M. S. and D. B. Patterson (1998). "Calculation of the wavelength filter properties of the fiber-slab waveguide structure using vector mode expansion." J. Lightwave Techn.**16**(11): 2034-2039.
2000. Drong, M., et al. (2021). "Spin-VCSELs with Local Optical Anisotropies: Toward Terahertz Polarization Modulation." Phys. Rev.Applied **15**(1).
2001. Elsonbaty, A., et al. (2018). "Simultaneous concealment of time delay signature in chaotic nanolaser with hybrid feedback." Optics and Lasers in Engineering **107**: 342-351.
2002. Fan, D. S., et al. (2016). "Thermal radiation from silicon microcavity coated with thermochromic film." Solar Energy Materials and Solar Cells **144**: 331-338.
2003. GarciaMateos, J., et al. (1997). "Passive fiber ring flip-flop memory based on polarization dynamics." Opt. Commun.**137**(4-6): 427-436.
2004. Gebski, M., et al. (2015). Double High Refractive-Index Contrast Grating VCSEL. VCSELs Xix, 9381.
2005. Gebski, M., et al. (2015). High-Contrast Grating reflectors for 980 nm Vertical-Cavity Surface-Emitting Lasers. High Contrast Metastructures IV. **9372**.
2006. Grillot, F., et al. (2018). Recent advances in InAs/GaAs quantum dot lasers with short optical feedback. Proc. Semiconduc. Lasers and Laser Dynamics Viii. **10682**.
2007. Guan, B. L., et al. (2011). "Multiwavelength fabrication of VCSELsbased on asymmetric one-dimensional photonic crystal." J. Appl. Phys. **110**(5).
2008. Guo, X. X., et al. (2018). "Information-Theory-Based Complexity Quantifier for Chaotic Semiconductor Laser With Double Time Delays." Ieee J. Quant. Electr.**54**(1).
2009. Gustavsson, J. S., et al. (2007). "Mode and polarisation control in VCSELs using shallow surface structures." Iet Optoelectronics **1**(5): 197-205.
2010. Gustavsson, J. S., et al. (2005). "Efficient and individually controllable mechanisms for mode and polarization selection in VCSELs, based on a common, localized, sub- wavelength surface grating." Opt. Expr.**13**(17): 6626-6634.
2011. Hamilton, S. A., et al. (1998). "Polymer in-line fiber modulators for broadband radio-frequency optical links." J. Opt. Soc. Am. B **15**(2): 740-750.
2012. Haw, J. Y., et al. (2015). "Maximization of Extractable Randomness in a Quantum Random-Number Generator." Phys. Rev.Applied **3**(5).
2013. Hazdiuk, K., et al. (2020). "Simulating Self-Regeneration and Self-Replication Processes Using Movable Cellular Automata with a Mutual Equilibrium Neighborhood." Complex Systems **29**(4): 741-757.
2014. He, C. A., et al. (2019). "Frequency-induced polarization switching and bistability in a 1550nm VCSEL subject to parallel optical injection." Optical Review **26**(1): 95-102.
2015. He, Z. F., et al. (2020). "A monolithic integrated dual-wavelength of VCSEL using electrically pumped 9xx nm to optically pump 1064 nm." Optik **202**.
2016. Huang, J. G., et al. (2011). "Perovskite-type oxide films combined with gratings for reduction of material consumption and improvement of thermochromism property." J. of Quantitative Spectroscopy & Radiative Transfer **112**(16): 2592-2599.
2017. Huang, L. T., et al. (2021). "Monolayer WS2 based electro-absorption modulator." Opt. Mater. **113**.
2018. Huang,Y et al. (2012). "Dipole-dipole interaction in a photonic crystal nanocavity." Phys. Rev.A **85**.
2019. Huang, Y. G., et al. (2010). "Exact Calculation of Local Density of States in Two-Dimensional Photonic Crystals." Chinese Physics Lett. **27**(10).
2020. Huang, Y. Z., et al. (2012). "Coherence collapse of the dual fiber Bragg grating external cavity semiconductor laser." Acta Phys. Sinica **61**(1).
2021. Huang, Y. Z., et al. (2011). "Wavelength stabilization of a 980-nm semiconductor laser module stabilized with high-power uncooled dual FBG." Chinese Opt. Lett. **9**(3).
2022. Indebetouw, G. (1988). "POLARIZATION BISTABILITY IN A HYBRID DEVICE SIMULATING A NONLINEAR BIREFRINGENT

CAVITY." Opt. Commun.**65**(4): 311-314.
2023. Islam, M. S., et al. (2020). "Staircase Dynamics of a Photonic Microwave Oscillator Based on a Laser Diode with Delayed Optoelectronic Feedback." Phys. Rev.Applied **13.**
2024. Isoe, G. M., et al. (2017). Simultaneous 10 Gbps Data and Polarization-based Pulse-Per-Second Clock Transmission using a Single VCSEL for High Speed Optical Fibre Access Networks. Optical Metro Networks and Short-Haul Systems Ix. **10129**.
2025. Iwaszczuk, K. and K. A. Rutkowska (2008). Plane wave method for photonic liquid crystal fibers modeling. Phot. Appl. in Astronomy, Commun., Industry, and High-Energy Phys Exper. 2008. **7124**.
2026. Jadan, M., et al. (2018). "Polarization switching mechanism in surface-emitting semiconductor lasers." Optik **158**: 118.
2027. Jasik, A., et al. (2016). "Dual-wavelength vertical external-cavity surface-emitting laser: strict growth control and scalable design." Appl. Phys. B **122**(2).
2028. Ji, S. and Y. H. Hong (2017). "Effect of Bias Current on Complexity and Time Delay Signature of Chaos in Semiconductor Laser With Time-Delayed Optical Feedback." Ieee J. Sel. Top. Quant. Electr. **23.**
2029. Jiang, X. W. (2019). "Polarization-Independent Wavelength-Tunable Vertical Cavity Surface Emitting Laser Based on Two-Dimensional Grating." Acta Optica Sinica **39**(6).
2030. Jo, D. H., et al. (2011). "Modal loss mechanism of micro-structured VCSELs studied using full vector FDTD method." Opt. Expr.**19**(19): 18272-18282.
2031. Junges, L. and J. A. C. Gallas (2016). "Impact of delayed feedback of arbitrary duration in self-pulsations of a CO2 laser." J. Opt. Soc. Am. B **33**(3): 373-381.
2032. Junges, L., et al. (2013). "Characterization of the stability of semiconductor lasers with delayed feedback according to the Lang-Kobayashi model." Eur. Phys. J. D **67**(7).
2033. Karakoleva, E., et al. (2015). "Calculations of photonic crystal fibers by the Galerkin method with sine functions without a refractive index approximation." Bulgarian Chemical Communis **47**: 21-28.
2034. Karakoleva, E., et al. (2019). Local Coordinate Systems in the Galerkin Method for Modeling of Photonic Crystal Fibers with Material Inclusions. 10th Jubilee Conference of the Balkan Physical Union. T. M. Mishonov and A. M. Varonov. **2075**.
2035. Kasztelanic, R. and R. Kotynski (2008). Finite element analysis of waveguide mode coupling through a sub-structured metallic flat lens. Metamaterials Iii. **6987**.
2036. Khan, N. A., et al. (2013). "Measurement of Temperature-Dependent Relaxation Oscillation Frequency and Linewidth Enhancement Factor of a 1550 nm VCSEL." Ieee J. Quant. Electr.**49**(11): 990-996.
2037. Khanmohammadi, A., et al. (2015). Monolithically Integrated Optical Random Pulse Generator in High Voltage CMOS Technology. Essderc 2015 Proceedings of the 45th European Solid-State Device Research Conference. W. Pribyl, T. Grasser and M. Schrems**:** 138-141.
2038. Khanmohammadi, A., et al. (2015). "Monolithic Silicon Quantum Random Number Generator Based on Measurement of Photon Detection Time." Ieee Photonics J. **7**(5).
2039. Khromova, I. A. and L. A. Melnikov (2008). "Anisotropic photonic crystals: Generalized plane wave method and dispersion symmetry properties." Opt. Commun.**281**(21): 5458-5466.
2040. Khromova, I. A. and L. A. Melnikov (2008). Dispersion and symmetry properties of anisotropic photonic crystals of arbitrary geometry and dimension. Photonic Crystal Materials and Devices Viii. R. M. DeLaRue, C. Lopez, M. Midrio and P. Viktorovitch. **6989**.
2041. Kim, K. T., et al. (2004). "Side-polished polarization-maintaining fiber coupler with a thin metal interlay and its application as a polarization splitter." Japanese J. Appl. Phys. Part 1 43: 598.
2042. Koo, J., et al. (2014). "A carbon nanotube-embedded fiber-optic tunable coupler for flexible repetition rate control of a passively Q-switched fiber laser." Laser Physics **24**(4).
2043. Krishnamurthy, V. and B. Klein (2009). "Comprehensive theory of plane-wave expansion based eigenmode method for scattering-matrix analysis of photonic structures." J. Opt. Soc. Am. B **26**(7): 1341.
2044. Kruszka, R., (2011). "GaAs/AlGaAs photonic crystals for VCSEL-type semiconductor lasers." Opto-Electr. Rev. **19: 51.**
2045. Kumar, P., et al. (2009). "Strange bifurcation and phase-locked dynamics in mutually coupled diode laser systems." J. Phys. B **42**(14).
2046. Lamy, J. M., et al. (2009). "Polarization control of 1.6 mu m VCSELsusing InAs quantum dashes on InP(001)." Appl. Phys. Lett.**95**(1).
2047. Lee, S. G., et al. (1998). "Polymer waveguide overlays for side-polished fiber devices." Appl. Opt. **37**(3): 453-462.
2048. Li, L. L., et al. (2019). Bifurcation Analysis of Quantum-Dot Spin-VCSELs Subject to Optical Feedback. 2019 Ieee Int. Conf. Manipul., Manufac. and Meas. on Nanoscale53-57.
2049. Li, N. Q., et al. (2014). "Two approaches for ultrafast random bit generation based on the chaotic dynamics of a semiconductor laser." Opt. Expr.**22**(6): 6634-6646.
2050. Li, N. Q., et al. (2018). "Enhancing optical-feedback-induced chaotic dynamics in semiconductor ring lasers via optical injection." Nonl. Dyn. **92**(2): 315-324.
2051. Li, N. Q., et al. (2017). "Secure communication systems based on chaos in optically pumped spin-VCSELs." Opt. Lett. **42**(17): 3494-3497.

2052. Li, N. Q., et al. (2018). "Mapping bifurcation structure and parameter dependence in quantum dot spin-VCSELs." Opt. Expr.**26**(11): 14636-14649.
2053. Li, P. F., et al. (2020). "Vortex solitons in fractional nonlinear Schrodinger equation with the cubic-quintic nonlinearity." Chaos Solitons & Fractals **137**.
2054. Li, X. Z. and S. C. Chan (2013). "Heterodyne Random Bit Generation Using an Optically Injected Semiconductor Laser in Chaos." Ieee J. Quant. Electr.**49**(10): 829-838.
2055. Li, X. Z. and S. C. Chan (2019). "Detection Dependencies of Statistical Properties for Semiconductor Laser Chaos." Ieee J. Sel. Top. Quant. Electr. **25**(6).
2056. Li, X. Z., et al. (2017). "Correlated Random Bit Generation Using Chaotic Semiconductor Lasers Under Unidirectional Optical Injection." Ieee Photonics J. **9**(5).
2057. Li, X. Z., et al. (2015). "Random bit generation at tunable rates using a chaotic semiconductor laser under distributed feedback." Opt. Lett. **40**(17): 3970-3973.
2058. Li, X. Z., et al. (2016). "Randomness evaluation for an optically injected chaotic semiconductor laser by attractor reconstruction." Phys. Rev.E **94**(4).
2059. Liao, W. Y., et al. (2021). "Polarization control and mode optimization of 850 nm multi-mode VCSELs using surface grating." Appl. Phys. B **127**(2).
2060. Lin, L. C., et al. (2018). "Comparison of optical feedback dynamics of InAs/GaAs quantum-dot lasers emitting solely on ground or excited states." Opt. Lett. **43**(2): 210-213.
2061. Lindemann, M., et al. (2016). Influence of birefringence splitting on ultrafast polarization oscillations in VCSELs. VCSELsXx. **9766**.
2062. Lindemann, M., et al. (2016). "Frequency tuning of polarization oscillations: Toward high-speed spin-lasers." Appl. Phys. Lett.**108.**
2063. Lindemann, M., et al. (2019). "Ultrafast spin-lasers." Nature **568**(7751): 212-+.
2064. Lingnau, B., et. (2020). “Dynamic signatures of mode competition in optically injected high-beta lasers.” New J. Phys. 22.
2065. Lingnau, B., et al. (2020). "Universal generation of devil's staircases near Hopf bifurcations via modulated forcing of nonlinear systems." Phys. Rev.E **102**(3).
2066. Liu, C. J., al. (2016). The dynamical behavior of self-mixing by Doppler feedback in single-mode microchip Nd:YAG laser.
2067. Liu, F. (2012). "Study on influence of oxide aperture shape on modal characteristics of VCSELs." Acta Phys. Sinica **61**(5).
2068. Liu, Y. C. and T. Byrnes (2016). "FDTD and transfer matrix methods for evaluating the performance of photonic crystal based microcavities for exciton-polaritons." Semicond. Sci. Techn.**31**(11).
2069. Liu, Y. Y., et al. (2018). "OPSR enhancement of high-temperature operating shallow-surface grating VCSELs." Appl. Opt. **57**(16): 4486-4490.
2070. Liu, Y. Y., et al. (2019). "Polarization stabilized VCSELs by displacement Talbot lithography-defined surface gratings." Optik **183**: 579-585.
2071. Louarn, K., et al. (2019). "Thickness Limitation of Band-to-Band Tunneling Process in GaAsSb/InGaAs Type-II Tunnel Junctions Designed for Multi-Junction Solar Cells." Acs Applied Energy Materials **2**(2): 1149-1154.
2072. Louarn, K., al.(2018). "Effect of low and staggered gap quantum wells inserted in GaAs tunnel junctions." J. Phys. D **51**.
2073. Lu, L., et al. (2012). "Effect of polarization properties on Doppler velocimetry with Vertical-Cavity Surface-Emitting lasers." Optik **123**(4): 329-332.
2074. Lu, Y., et al. (2021). "Directly Modulated VCSELs With Frequency Comb Injection for Parallel Communications." J. Lightwave Techn.**39**(5): 1348-1354.
2075. Ma, G. T., et al. (2010). "Numerical Investigation of the Lateral Movement Influence on the Levitation Force of the Bulk HTS Based on a 3-D Model." Ieee Trans. Appl. Supercond. **20**(3): 924-928.
2076. Ma, L. H., et al. (2018). "Temperature dependence of characteristic parameters of 1550 nm vertical-cavity surface-emitting laser." Acta Phys. Sinica **67**(21).
2077. Malomed, B. A. and D. Mihalache (2019). "NONLINEAR WAVES IN OPTICAL AND MATTER-WAVE MEDIA: A TOPICAL SURVEY OF RECENT THEORETICAL AND EXPERIMENTAL RESULTS." Romanian J. of Physics **64**(5-6).
2078. Manzetti, S. (2018). "Mathematical Modeling of Rogue Waves: A Survey of Recent and Emerging Mathematical Methods and Solutions." Axioms **7**(2).
2079. Marciniak, M., et al. (2019). Monolithic high contrast gratings as highly reflective mirrors:optimization and fabrication. High Contrast Metastructures Viii. **10928**.
2080. Maslov, A. V. and M. Miyawaki (2011). "Optimization of Current Injection Area for Low-Threshold Operation of 3-D Lasers." Ieee J. Quant. Electr.**47**(2): 238-244.
2081. Messaoudi, M., et al. (2020). "Patchy landscapes in arid environments: Nonlinear analysis of the interaction-redistribution model." Chaos **30**(9).
2082. Moiseev, S. G., et al. (2019). "Polarization-selective defect mode amplification in a photonic crystal with intracavity 2D arrays of metallic nanoparticles." J. Opt. Soc. Am. B **36**(6): 1645-1652.
2083. Mu, P. H., et al. (2019). "Simultaneous Chaos Time-Delay Signature Cancellation and Bandwidth Enhancement in

Cascade-Coupled Semiconductor Ring Lasers." Ieee Access **7**: 11041-11048.
2084. Mu, P. H., et al. (2019). "Numerical study of the time-delay signature in chaos optical injection system with phase-conjugate feedback." Optik **179**: 71-75.
2085. Mu, P. H., et al. (2018). "Analysis and characterization of chaos generated by free-running and optically injected VCSELs." Opt. Expr.**26**(12): 15642-15655.
2086. Mu, P. H., et al. (2017). "Optimizing chaos time-delay signature in two mutually-coupled semiconductor lasers through controlling internal parameters." Modern Physics Lett. B **31**(10).
2087. Mu, X. L., et al. (2020). Study of two-mode coexistence in 1550-nm VCSELssubject to variable polarization optical feedback. 24th Nat. Conf. Laser Techn. Optoelectronics.**11717**.
2088. Mulet, J., al. (2007). "Mode-locking of VECSELs by crossed-polarization gain modulation." Ieee J. Quant. Electr.43: 786.
2089. Nagler, B., et al. (2003). "Stochastic resonance in VCSELsbased on a multiple time-scale analysis." Phys. Rev.E **67**(5).
2090. Nakwaski, W., et al. (2018). New structure of semiconductor lasers: quantum cascade vertical-cavity surface-emitting laser (QC VCSEL). Laser Technology 2018: **10974**.
2091. Nhan, E. and S. Riyopoulos (2006). "Interpretation of polarization pinning due to scattering loss differentiation in asymmetric vertical-cavity surface-emitting laser cavities." J. Appl. Phys. **99**(12).
2092. Ohara, S., et (2017). "Dynamics-dependent synchronization in on-chip coupled semiconductor lasers." Phys. Rev.E 96.
2093. Ostermann, J. M., et al. (2007). "Polarization-controlled surface grating VCSELs under externally induced anisotropic strain." Phot. Techn. Lett. **19**(17-20): 1301-1303.
2094. Pan, R. P., et al. (1995). "Voltage-controlled optical fiber coupler using a layer of low-refractive-index liquid crystal with positive dielectric anisotropy." Japanese J. Appl. Phys. Part 1-Regular Papers Short Notes & Review Papers **34**(12A): 6410-6415.
2095. Parra-Rivas, P., et al. (2021). "Influence of stimulated Raman scattering on Kerr domain walls and localized structures." Phys. Rev.A **103**(1).
2096. Paul, K. and A. K. Sarma (2015). "Shortcut to adiabatic passage in a waveguide coupler with a complex-hyperbolic-secant scheme." Phys. Rev.A **91**(5).
2097. Paul, K. and A. K. Sarma (2016). "High-fidelity entangled Bell states via shortcuts to adiabaticity." Phys. Rev.A **94**(5).
2098. Pechstedt, R. D. and P. S. Russell (1996). "Narrow-band in-line fiber filter using surface-guided bloch modes supported by dielectric multilayer stacks." J. Lightwave Techn.**14**(6): 1541-1545.
2099. Petykiewicz, J. and D. Strojewski (1990). "OPTICAL DISPERSIVE BISTABILITY IN MEDIA WITH FORCED GYROTROPY." Opt. Quant. Electr. **22**(2): 131-142.
2100. Prajzler, V., et al. (2017). "Properties of Multimode Optical Epoxy Polymer Waveguides Deposited on Silicon and TOPAS Substrate." Radioengineering **26**(1): 10-15.
2101. Prior, E., et al. (2016). "Dynamics of dual-polarization VCSEL-based optical frequency combs under optical injection locking." Opt. Lett. **41**(17): 4083-4086.
2102. Pusch, T., et al. (2017). "Monolithic vertical-cavity surface-emitting laser with thermally tunable birefringence." Appl. Phys. Lett.**110**(15).
2103. Qin, L., et al. (2019). "Optoelectronic properties of vertical-cavity surface-emitting laser at low temperature." Acta Phys. Sinica **68**(19).
2104. Qiu, H. Y., et al. (2016). "Polarization switching characteristics in a 1550 nm VCSEL subject to circularly polarized optical injection." Chinese Opt. Lett. **14**(2).
2105. Quirce, A., et al. (2016). "Polarization switching and injection locking in VCSELssubject to parallel optical injection." Opt. Lett. **41**(11): 2664-2667.
2106. Quirce, A., et al. (2020). "Nonl. Dyn. Induced by Optical Injection in Optical Frequency Combs Generated by Gain-Switching of Laser Diodes." Ieee Photonics J. **12**(4).
2107. Racz, E., (2021). "Estimation of heavy tails in optical non-linear processes." New J. Phys. **23**(4).
2108. Rao, J. G., et al. (2020). "PT-symmetric nonlocal Davey-Stewartson I equation: Soliton solutions with nonzero background." Physica D **401**.
2109. Ruiz-Sanchez, R., (2020). "Autonomous chaos of exciton-polariton condensates." Phys. Rev.B **101**.
2110. Sabuncu, M. (2016). "Towards Laser-based Photonic Chip Integrated Quantum Random Number Generators." Lasers in Engineering **33**(1-3): 117-127.
2111. Sadani, B., et al. (2018). "Liquid-Crystal Alignment by a Nanoimprinted Grating for Wafer-Scale Fabrication of Tunable Devices." Phot. Techn. Lett. **30**(15): 1388-1391.
2112. Salvide, M. F., et al. (2015). "Dynamics of Normal and Reverse Polarization Switching in 1550-nm VCSELs Under Single and Double Optical Injection." Ieee J. Sel. Top. Quant. Electr. **21**(6).
2113. Schemmelmann, T., et al. (2017). "Delayed feedback control of self-mobile cavity solitons in a wide-aperture laser with a saturable absorber." Chaos **27**(11).
2114. Seurin, J. F., et al. (2013). High-power red VCSEL arrays. VCSELsXvii. **8639**.
2115. Shao, H. Y., et al. (2021). "Transverse-mode control in VCSELs by electrically tunable liquid crystal mode filters." Aip Advances **11**(1).

2116. Simaz, A., et al. (2020). Thermal Characterization of the Birefringence of Nematic Liquid Crystals for the Design of Widely-tunable LC-VCSELs. 2020 International Conference on Numerical Simulation of Optoelectronic Devices**:** 73-74.
2117. Statkiewicz-Barabach, G., et al. (2014). "Higher-order rocking filters induced mechanically in fibers with different birefringence dispersion." Appl. Opt. **53**(7): 1258-1267.
2118. Stoyanova, E., et al. (2019). "Adiabatic motion of a charged particle in spatially uniform N.onuniform static magnetic fields." Phys. Scripta **94**(5).
2119. Strojewski, D. (1990). "OPTICAL DISPERSIVE BISTABILITY IN MEDIA WITH NATURAL GIROTROPHY." Acta Physica Polonica A **78**(4): 523-533.
2120. Szpulak, M., et al. (2006). "Comparison of different methods for rigorous modeling of photonic crystal fibers." Opt. Expr.**14**(12): 5699-5714.
2121. Taghizadeh, A., et al. (2016). "Numerical Investigation of Vertical Cavity Lasers With High-Contrast Gratings Using the Fourier Modal Method." J. Lightwave Techn.**34**(18): 4240-4251.
2122. Tan, Y. D. and S. L. Zhang (2009). "Intensity modulation and multi modes hopping induced by phase change in external cavity Nd:YAG lasers." Opt. Commun.**282**(9): 1867-1870.
2123. Tan, Y. D., et al. (2009). "Measurement of a polarization cross-saturation coefficient in two-mode Nd:YAG lasers by polarized optical feedback." J. of Physics B-Atomic Molecular Optical Phys **42**(2).
2124. Tang, X., et al. (2015). "Generation of multi-channel high-speed physical random numbers originated from two chaotic signals of mutually coupled semiconductor lasers." Laser Physics Lett **12**(1).
2125. Thomson, M., et al. (2000). "Thromboxane-B-2 levels in serum of rabbits receiving a single intravenous dose of aqueous extract of garlic and onion." Prostaglandins Leukotrienes and Essential Fatty Acids **63**(4): 217-221.
2126. Ting, K. T. and F. Y. Lin (2018). "Generation of random on-off modulation pulses by optically injecting a gain-switched Fabry-Perot semiconductor laser with a dual-mode injection for random-modulation pulsed lidar applications." Opt. Expr.**26**(19): 24294-24306.
2127. Toomey, J. P., et al. (2015). "Integrated semiconductor laser with optical feedback: transition from short to long cavity regime." Opt. Expr.**23**(14): 18754-18762.
2128. Torre, M. S., et al. (2006). "Transverse and polarization effects in index-guided vertical-cavity surface-emitting lasers." Phys. Rev.A **74**(4).
2129. Vaissie, L., et al. (2001). Incorporation of diffractive structures on side polished fiber arrays. Diffractive and Holographic Technologies for Integrated Photonic Systems. R. L. Sutherland, D. W. Prather and I. Cindrich. **4291:** 55-64.
2130. Vidal, B. D. (2011). "Butterfly scale form birefringence photonics." Micron **42**(8): 801-807.
2131. Vlad, V. I., et al. (2018). "THE FIRST SEVENTY VOLUMES OF ROMANIAN REPORTS IN PHYSICS: A BRIEF SURVEY OF THE ROMANIAN PHYSICS COMMUNITY." Rom. Rep. Phys.**70**(1).
2132. Volet, N. (2015). Theory and characterization of elliptically polarized modes in vertical-cavity surface-emitting lasers. VCSELs Xix, 9381.
2133. Wang, D., et al. (2017). "State bistability between pure- and mixed-mode states in a 1550 nm vertical-cavity surface-emitting laser subject to parallel optical injection." Japanese J. Appl. Phys. **56**(7).
2134. Wang, D., et al. (2018). "Theoretical Investigation of State Bistability Between Pure- and Mixed-Mode States in a 1550-nm VCSEL Under Parallel Optical Injection." Ieee Access **6**: 19791-19797.
2135. Wang, Q., et al. (2020). "Experimental Investigations on Polarization Switching and Bistability in a 1550 nm VCSEL Subject to Orthogonal Optical Injection With Time-Varying Injection Power." Ieee Photonics J. **12**(5).
2136. Wang, X. L., et al. (2020). "Polarization control and tuning efficiency of tunable vertical-cavity surface-emitting laser with internal-cavity sub-wavelength grating*." Chinese Physics B **29**(8).
2137. Wang, X. L., et al. (2019). "Polarization-stabilized tunable VCSEL with internal-cavity sub-wavelength grating." Opt. Expr.**27**(24): 35499-35511.
2138. Wang, Y. Z., et al. (2020). "Recent advances in real-time spectrum measurement of soliton dynamics by dispersive Fourier transformation." Reports on Progress in Physics **83**(11).
2139. Wang, Z. P., et al. (2020). "Thermal characteristics of surface liquid crystal vertical cavity surface emitting laser arrays." Acta Phys. Sinica **69**(6).
2140. Wei, Z. X., et al. (2018). Utilization of 850 nm Near-infrared VCSEL for High-capacity Indoor Free Space Optical Communications. 2018 Asia Communications and Photonics Conference.
2141. Wen, D. D., et al. (2021). "VCSELs with On-Facet Metasurfaces for Polarization State Generation and Detection." Advanced Opt. Mater. **9**(9).
2142. Wierzbicki, M. and J. Kocinski (1999). "Light-wave polarization bistability in a gyrotropic magnetic medium." Applied Surface Science **142**(1-4): 272-275.
2143. Xiang, S. Y., et al. (2018). "Photonic Generation of Neuron-Like Dynamics Using VCSELs Subject to Double Polarized Optical Injection." J. Lightwave Techn.**36**(19): 4227-4234.
2144. Xiao, G. Z., et al. (2004). "Adhesives in the packaging of planar lightwave circuits." International J. of Adhesion and Adhesives **24**(4): 313-318.

2145. Xu, M. F., et al. (2018). "Cluster synchronization in symmetric VCSELs networks with variable-polarization optical feedback." Opt. Expr.**26**(8): 10754-10761.
2146. Xu, M. F., et al. (2021). "Metasurface spatiotemporal dynamics and asymmetric photonic spin-orbit interactions mediated vector-polarization optical chaos." Phys. Rev.Research **3**(1).
2147. Yang, W. Y., et al. (2019). "Numerical investigations on multi-channel wideband chaotic signal generation by a multi-transverse mode vertical-cavity surface-emitting laser subject to chaotic optical injection." Appl. Opt. **58**(30): 8160-8166.
2148. Yu, Y. T., et al. (2014). "Exploring the influence of boundary shapes on emission angular distributions and polarization states of broad-area vertical-cavity surface-emitting lasers." Opt. Expr.**22**(22): 26939-26946.
2149. Yu, Y. T., et al. (2014). "Exploring lasing modes and polarization characteristics in broad-area square-shaped vertical-cavity surface emitting lasers with frequency detuning." Laser Phys. Lett. 11.
2150. Zagato, E., et al. (2017). "Microfabricated devices for single objective single plane illumination microscopy (SoSPIM)." Opt. Expr.**25**(3): 1732-1745.
2151. Zalevsky, Z. (2007). "Integrated micro- N.anophotonic dynamic devices: a review." J. of Nanophotonics **1**.
2152. Zhang, H., et al. (2017). "Complexity-enhanced polarization-resolved chaos in a ring network of mutually coupled VCSELswith multiple delays." Appl. Opt. **56**(24): 6728-6734.
2153. Zhang, H. R., (2020). "Nanolasers: Progress, New Physics and Technical Challenges." Chinese J. of Lasers-Zhongguo Jiguang **47**(7).
2154. Zhang, Y., et al. (2019). "All-optical inhibitory dynamics in photonic neuron based on polarization mode competition in a VCSEL with an embedded saturable absorber." Opt. Lett. **44**(7): 1548-1551.
2155. Zhang, Y. H., et al. (2018). "Spike encoding and storage properties in mutually coupled VCSELssubject to optical pulse injection." Appl. Opt. **57**(7): 1731-1737.
2156. Zhang, Y. N., et al. (2007). "Polarization properties of elliptical core non-hexagonal symmetry polymer photonic crystal fibre." Chinese Physics **16**(6): 1719-1724.
2157. Zhang, Z. Y., et al. (2003). "Coupling fibers to planar waveguides using a high-temperature epoxy." Fiber and Integrated Optics **22**(6): 357-371.
2158. Zhao, Y. M., et al. (2021). "Design of tunable microlaser with metal-optical Tamm state structure and liquid crystal." Japanese J. Appl. Phys. **60**(3).
2159. Zheludev, N. I. (1989). "POLARIZATION INSTABILITY AND MULTISTABILITY IN NONLINEAR OPTICS." Uspekhi Fizicheskikh Nauk **157**(4): 683-717.
2160. Zheng, Z., et al. (2020). "High-Contrast Grating Structure Design for Liquid Crystal Tunable Vertical-Cavity Surface-Emitting Lasers." Laser & Optoelectronics Progress **57**(1).
2161. Zhou, J. R., (2020). "Design of a microstructured surface for infrared radiation regulation based on structural combinations." J. of Quantitative Spectroscopy & Radiative Transfer **256**.
2162. Zhou, Y. G., et al. (2019). "Intensity Noise and Pulse Oscillations of an InAs/GaAs Quantum Dot Laser on Germanium." Ieee J. Sel. Top. Quant. Electr. **25**(6).
2163. Zutic, I., et (2020). "Spin -lasers: spintronics beyond magnetoresistance." Sol. State Commun. **316**.
2164. Albugami, N. F. and E. A. Avrutin (2017). "Dynamic modelling of electrooptically modulated vertical compound cavity surface emitting semiconductor lasers." Opt. Quant. Electr. **49**(9).
2165. Blokhin, S. A., et al. (2014). "Anomalous lasing of high-speed 850 nm InGaAlAs oxide-confined VCSELswith a large negative gain-to-cavity wavelength detuning." Appl. Phys. Lett.**105**(6).
2166. Cisternas, J., et al. (2020). "Gapped vegetation patterns: Crown/root allometry and snaking bifurcation." Chaos Solitons & Fractals **133**.
2167. Clerc, M. G., et al. (2020). "Nonlocal Raman response in Kerr resonators: Moving temporal localized structures and bifurcation structure." Chaos **30**(8).
2168. Clerc, M. G., et al. (2020). "Time-delayed nonlocal response inducing traveling temporal localized structures." Phys. Rev.Research **2**(1).
2169. De, R., (2016). "Surface characterization of magnesium fluoride thin films prepared by a fluorine trapping based non-reactive sputtering technique." Vacuum **134**: 110-119.
2170. Diego, J. L. A., et al. (2006). Four-wave mixing in microresonators with resonance and thermal nonlinearities. Photonics, Devices, and Systems Iii. P. Tomanek, M. Hrabovsky, M. Miler and D. Senderakova. **6180**.
2171. Ertman, S., et al. (2007). Tunable highly-birefringent Photonic Liquid Crystal Fibers. 2007 Ieee Instrumentation & Measurement Technology Conference, Vols 1-5**:** 2345-+.
2172. Gadjiev, I. M., et al. (2010). "Self-biased saturable absorber mirror demonstrating very low saturation fluence." Electronics Lett. **46**(1): 74-U105.
2173. Geernaert, T., et al. (2010). UV Bragg Grating Inscription in Germanium-doped Photonic Crystal Fibers. Photonic Crystal Fibers Iv. K. Kalli and W. Urbanczyk. **7714**.
2174. Geernaert, T., et al. (2010). "Bragg Grating Inscription in GeO2-Doped Microstructured Optical Fibers." J. Lightwave Techn.**28**(10): 1459-1467.

2175. Grossmann, M., et al. (2020). "Stable fundamental and dual-pulse mode locking of red-emitting VECSELs." Laser Physics Lett. **17**(6).
2176. Guo, X. M., (2020). "Evaluating entropy rate of laser chaos and shot noise." Opt. Expr.**28**(2): 1238.
2177. Hamilton, S. A., et al. (1998). "Polymer in-line fiber modulators for broadband radio-frequency optical links." J. Opt. Soc. Am. B **15**(2): 740-750.
2178. Hausen, J., et al. (2020). "How carrier memory enters the Haus master equation of mode-locking." Opt. Lett. **45: 6210.**
2179. He, C. A., et al. (2019). "Frequency-induced polarization switching and bistability in a 1550nm VCSEL subject to parallel optical injection." Optical Review **26**(1): 95-102.
2180. He, Z. H., et al. (2007). "Effect of macro-bending on resonant wavelength and intensity of long-period gratings in photonic crystal fiber." Opt. Expr.**15**(4): 1804-1810.
2181. Hendry, I., et al. (2019). "Impact of desynchronization and drift on soliton-based Kerr frequency combs in the presence of pulsed driving fields." Phys. Rev.A **100**(2).
2182. Janyani, V., et al. (2008). Accurate Time Domain Method for Simulation of Microstructured Electromagnetic and Photonic Structures. Proceedings of World Academy of Science, Engineering and Technology, Vol 29. C. Ardil. **29:** 102-+.
2183. Jung, N., et al. (2020). Investigation of the polarization state in spin-VCSELs with thermally tuned birefringence. Semiconduc. Lasers and Laser Dynamics Ix. **11356**.
2184. Kim, K. T., et al. (2004). "Side-polished polarization-maintaining fiber coupler with a thin metal interlay and its application as a polarization splitter." Japanese J. Appl. Phys. Part 1 43: 598.
2185. Korobko, D. A., et al. (2020). "Effect of frequency detuning on Brillouin lasing in microcavities." Quant. Electr. 50: 284.
2186. Kujawa, I., et al. (2007). Highly birefrinent photonic crystal fiber with shaped holes. Lightguides and Their Applications Iii. J. Wojcik and W. Wojcik. **6608**.
2187. Lamothe, E., et al. (2012). Optical injection locking of polarization modes and spatial modes in single-aperture VCSELs and VCSEL arrays emitting at 1.3 mu m. Proc. Semicond. Lasers and Laser Dynamics V.. **8432**.
2188. Liang, J., et al. (2019). "Influence of Oxide Aperture Structure on Lasing Performance for Vertical Cavity Surface Emitting Laser." Chinese J. of Lasers-Zhongguo Jiguang **46**(3).
2189. Lindemann, M., et al. (2016). Influence of birefringence splitting on ultrafast polarization oscillations in VCSELs. VCSELsXx. K. D. Choquette J. K. Guenter. **9766**.
2190. Lindemann, M., et al. (2016). "Frequency tuning of polarization oscillations: Toward high-speed spin-lasers." Appl. Phys. Lett.**108.**
2191. Lingnau, B., et al. (2019). "Multimode dynamics and modeling of free-running and optically injected Fabry-Perot quantum-dot lasers." Phys. Rev.A **100.**
2192. Lingnau, B., et. (2020). "Dynamic signatures of mode competition in optically injected high-beta lasers." New J. Phys. 22.
2193. Lopez-Mercado, C. A., et al. (2018). Cost-effective laser source for phase-OTDR vibration sensing. Optical Sensing and Detection V. F. Berghmans and A. G. Mignani. **10680**.
2194. Lyubchanskii, I. L., et al. (2009). "A one-dimensional photonic crystal with a superconducting defect layer." J. Opt. a-Pure and Appl. Opt. **11**(11).
2195. Mamaikin, M. S., et al. (2016). Propagation of light bullets in media with quadratic nonlinearity.
2196. McLaren, S., et al. (2021). "Microscopic modeling of non-normal incidence vertical external cavity surface-emitting laser cavities." Appl. Phys. Lett.**118**(12).
2197. Mishakov, G., et al. (2007). Gratings in polymeric waveguides. Laser Optics 2006: Wavefront Transformation and Laser Beam Control. L. N. Soms. **6613**.
2198. Mishakov, G. V. and V. I. Sokolov (2001). Precision technique for side-polished fibers fabrication. Seventh International Conference on Laser and Laser-Information Technologies. V. Y. Panchenko and V. S. Golubev. **4644:** 498-502.
2199. Nakwaski, W. (2008). "Principles of VCSEL designing." Opto-Electr. Rev. **16**(1): 18-26.
2200. Nasilowski, T., et al. (2007). Sensing with photonic crystal fibres.
2201. Nazhan, S. and Z. Ghassemlooy (2019). "Antiphase chaotic synchronization enhancement in a vertical cavity surface emitting laser." Appl. Opt. **58**(35): 9491-9497.
2202. Nazhan, S., et al. (2016). Chaotic Signal Dynamics of VCSEL for Secure Optical Communication.
2203. Nitsovich, B. M., et al. (1999). Crystal optical bistability in a magnetic field. Fourth International Conference on Correlation Optics. O. V. Angelsky. **3904:** 184-194.
2204. Nyakas, P. (2013). "Honeycomb photonic crystal vertical-cavity surface-emitting lasers: coupled cavities enhancing the single-mode range." J. Opt. Soc. Am. B **30**(12): 3284-3290.
2205. Ormachea, O., et al. (2006). "Frequency up-conversion of coherent images by intracavity nondegenerate four-wave mixing." Opt. Expr.**14**(18): 8298-8304.
2206. Ormachea, O. A., et al. (2006). Light field transformation by intracavity four-wave mixing. Nonlinear Frequency Generation and Conversion: Materials, Devices, and Applications V. **6103**.
2207. Pan, R. P., et al. (1995). "Voltage-controlled optical fiber coupler using a layer of low-refractive-index liquid crystal with positive dielectric anisotropy." Japanese J. Appl. Phys. Part 1-Regular Papers Short Notes & Review Papers **34**(12A): 6410-6415.

2208. Parra-Rivas, P., et al. (2021). "Influence of stimulated Raman scattering on Kerr domain walls and localized structures." Phys. Rev.A **103**(1).
2209. Pastuszczak, A. and R. Kotynski (2009). Imaging in the visible wavelength range through anisotropic layered flat lens operating in the canalization regime. Metamaterials Iv. **7353**.
2210. Pawlus, R., (2017). "Relative intensity noise reduction in a dual-state quantum-dot laser by optical feedback." Opt. Lett. **42**(21): 4259-4262.
2211. Pawlus, R., (2020). Control of dual-wavelength laser using monolithically integrated phase-controlled optical feedback. Semiconduc. Lasers and Laser Dynamics Ix. **11356**.
2212. Pilvi, T., et al. (2007). "Study of a novel ALD process for depositing MgF2 thin films." J. Mat. Chem. 17: 5077.
2213. Romanov, O., et al. (2006). Formation of holographic gratings and dynamics of four-wave nuxing in nonlinear microresonators. Icono 2005: Nonlinear Space-Time Dynamics. **6255**.
2214. Sarzala, R. P., et al. (2014). "Effect of Relief Aperture on Single-Fundamental-Mode Emission of 1.3-mu m GaInNAs GaAs-Based VCSELs." Ieee J. Quant. Electr.**50**(11): 874-881.
2215. Sazonov, S. V. and M. V. Komissarova (2020). "Parametric Light Bullets in the Absence of Group Velocity Dispersion at the Second Harmonic Frequency." Jetp Lett. **111**(6): 320-324.
2216. Sazonov, S. V., et al. (2017). "Planar Spatiotemporal Solitons in a Quadratic Nonlinear Medium." Physics of Wave Phenomena **25**(2): 83-89.
2217. Scalora, M., et al. (2006). "Nonlinear pulse propagation in one-dimensional metal-dielectric multilayer stacks: Ultrawide bandwidth optical limiting." Phys. Rev.E **73**(1).
2218. Schires, K., et al. (2011). "Comprehensive experimental analysis of Nonl. Dyn. in an optically-injected semiconductor laser." Aip Advances **1**(3).
2219. Schlottmann, E., et al. (2019). "Stochastic polarization switching induced by optical injection in bimodal quantum-dot micropillar lasers." Opt. Expr.**27**(20): 28816-28831.
2220. Sokolov, V. I. and A. I. Khudobenko (2003). "Narrow-band Bragg filters for the 1.5-mu m spectral region based on polished-side single-mode silica fibres." Quantum Electronics **33**(6): 545-546.
2221. Stefaniuk, T., et al. (2009). Metal-dielectric superlens with ultra-flat phase of the modulation transfer function. Metamaterials Iv. **7353**.
2222. Sun, X., et al. (2021). "Targeted defect analysis in VCSEL oxide windows using 3D slice and view." Semicond. Sci. Techn.**36**(6).
2223. Tiana-Alsina, J., et al. (2020). "Success rate analysis of the response of an excitable laser to periodic perturbations." Chaos **30**(8).
2224. Torre, M. S., et al. (2006). "Transverse and polarization effects in index-guided vertical-cavity surface-emitting lasers." Phys. Rev.A **74**(4).
2225. Toyoda, K. (1988). "BIBLIOGRAPHY OF FERROELECTRICS." Ferroelectrics **82**: 199-250.
2226. Toyoda, K. (1988). "BIBLIOGRAPHY OF FERROELECTRICS." Ferroelectrics **77**: 167-233.
2227. Tucker, J. R., (2006). A massively parallel imaging system based on the self-mixing effect in a vertical-cavity surface-emitting laser array.
2228. Volet, N., et al. (2013). "Transverse mode discrimination in long-wavelength wafer-fused VCSELsby intra-cavity patterning." Opt. Expr.**21**(22): 26983-26989.
2229. Wang, X. L., et al. (2019). "Polarization-stabilized tunable VCSEL with internal-cavity sub-wavelength grating." Opt. Expr.**27**(24): 35499-35511.
2230. Wang, Z. P., et al. (2020). "Thermal characteristics of surface liquid crystal vertical cavity surface emitting laser arrays." Acta Phys. Sinica **69**(6).
2231. Wieben, J., et al. (2019). "Development of a III-nitride electro-optical modulator for UV-vis." Japanese J. Appl. Phys. **58**.
2232. Wieckowska, M., et al. (2018). "Shaping vertical-cavity surface-emitting laser mode profiles with an antiresonant oxide island for improved single-mode emission." J. Opt. Soc. Am. B **35**(9): 2259-2265.
2233. Wolinski, T. R., (2008). "Photonic liquid crystal fibers for sensing applications." Ieee Transactions on Instrumentation and Measurement **57**(8): 1796-1802.
2234. Wu, B. and G. J. Diebold (2011). "Photothermal waves in a periodically modulated structure." Appl. Phys. B **105**(3): 619.
2235. Xiang, S. Y., et al. (2020). "All-optics neuromorphic XOR operation with inhibitory dynamics of a single photonic spiking neuron based on a VCSEL-SA." Opt. Lett. **45**(5): 1104-1107.
2236. Xu, M. F., et al. (2018). "Cluster synchronization in symmetric VCSELs networks with variable-polarization optical feedback." Opt. Expr.**26**(8): 10754-10761.
2237. Yang, Y., et al. (2018). "Fiber-based coherent polarization beam combining with cascaded phase-locking and polarization-transforming controls." J. Opt. **20**(5).
2238. Zenkova, K. Y., et al. (2001). "Nonlinear magnetooptical absorption in a semiconductor." Phys. Solid State 43: 17.
2239. Zhang, Y., et al. (2019). "All-optical inhibitory dynamics in photonic neuron based on polarization mode competition in a VCSEL with an embedded saturable absorber." Opt. Lett. **44**(7): 1548-1551.

2240. Zheludev, N. I. (1989). "POLARIZATION INSTABILITY AND MULTISTABILITY IN NONLINEAR OPTICS." Uspekhi Fizicheskikh Nauk **157**(4): 683-717.
2241. Zheng, Z., et al. (2020). "High-Contrast Grating Structure Design for Liquid Crystal Tunable Vertical-Cavity Surface-Emitting Lasers." Laser & Optoelectronics Progress **57**(1).
2242. Chan, H. N. and K. W. Chow (2018). "Numerical Investigation of the Dynamics of 'Hot Spots' as Models of Dissipative Rogue Waves." Appl. Sci.-Basel **8**(8).
2243. Corella-Madueno, A., et al. (2008). "Threshold field for a nematic liquid crystal confined between two coaxial cylinders." Phys. Rev.E **78**(2).
2244. Dolcino, M., et al. (2019). "Long Non-Coding RNAs Modulate Sjogren's Syndrome Associated Gene Expression and Are Involved in the Pathogenesis of the Disease." J. of Clinical Medicine **8**(9).
2245. Goorjian, P. M. (2019). A New Laser Beam Pointing Method Using Laser Arrays. Free-Space Laser Communications Xxxi. H. Hemmati and D. M. Boroson. **10910**.
2246. Isoe, G. M., et al. (2018). "VCSEL polarization modulation for pulse-per-second clock signal transfer in optical frequency distribution systems." Optoelectronics Lett. **14**(5): 376-379.
2247. Ja, Y. H. (1993). "DENSELY SPACED 2-CHANNEL WAVELENGTH-DIVISION DEMULTIPLEXER WITH AN S-SHAPED 2-COUPLER OPTICAL-FIBER RING-RESONATOR." Appl. Opt. **32**(33): 6679-6683.
2248. Janrao, N. and V. Janyani (2016). "Slow light photonic crystal waveguide with large quality factor." Optik **127**(3): 1260.
2249. Jiang, X. W. (2019). "Polarization-Independent Wavelength-Tunable Vertical Cavity Surface Emitting Laser Based on Two-Dimensional Grating." Acta Optica Sinica **39**(6).
2250. Kondepudi, D., et al. (2017). "Dissipative structures and irreversibility in nature: Celebrating 100th birth anniversary of Ilya Prigogine (1917-2003)." Chaos **27**(10).
2251. Liu, K., et al. (2019). "Experiment on VCSEL Composed of Special Structure DBRs in Integrated Optoelectronic Chip." Ieee Access **7**: 175622-175627.
2252. Meinecke, S., et al. (2020). "Optical feedback induced oscillation bursts in two-state quantum-dot lasers." Opt. Expr.**28**(3): 3361-3377.
2253. Meucci, R., (2014). "Spatiotemporal polarization dynamics in a transverse multimode CO2 laser with optical feedback." Eur. Phys. J.-Special Topics **223**(8): 1729-1742.
2254. Ruiz-Sanchez, et. (2020). "Autonomous chaos of exciton-polariton condensates." Phys. Rev.B **101**.
2255. Toyoda, K. (1988). "BIBLIOGRAPHY OF FERROELECTRICS." Ferroelectrics **82**: 199-250.
2256. Yang, B. X., et al. (2009). "Polarization switching performance of VCSEL subjected to optical pulse injection." Acta Phys. Sinica **58**(3): 1480-1483.
2257. Zhang, H., et al. (2017). "Complexity-enhanced polarization-resolved chaos in a ring network of mutually coupled VCSELswith multiple delays." Appl. Opt. **56**(24): 6728-6734.