

ЗАБЕЛЯЗАНИ ЦИТИРАНИ ПУБЛИКАЦИИ

на чл.-кор. проф. д.ф.н. Петър Асенов Атанасов

A.1. Атанасов П.А., Кандидатска дисертация: 148 стр., С. (1976).

1. Петрова М., Кандидатска дисертация: С. (1980).

A.2. Атанасов П.А., Докторска дисертация: 259 стр., С. (1989).

2. Барудов С.Т., "Структурно-параметричен синтез и схемотехнически решения на пускорегулиращи апарати за управление на разряд": *Докторска дисертация*, (2012).
3. Барудов С.Т., "Теория и практика построения аппаратуры управления электрическим разрядом": Санкт-Петербург, ПЭИПК, ISBN 978-5-905042-23-2 (2011).
4. Барудов С., "Електрически процеси и устройства за управление на разряд в газова среда": Варна, ТУ, ISBN 954-20-0266-1 (2004).
5. Барудов С., "Электрические процессы и устройства для управления разрядом в газовой среде": Баку, АТУ, ISBN-5-86106-002-9 (2004).
6. Барудов С., "Методы и практика проектирования устройств для управления разрядами в газах": Пермь, ПГТУ, ISBN 954-20-0279-3 (2004).

B.I.2. Petrova M.D., Atanasov P.A. and Christov Ch.D., J. Phys.D: Appl. Phys.: 13, 1835-1840 (1980).

7. Ахунов Н., Кандидатска дисертация: ИОФ АН, Москва (1986).
8. Kim Chil-Min and Kim Yongduk, *Appl. Optics*: 24, 7, 935-937 (1985).
9. Petukhov V.O., Churakov W.W., *Kvantovaya Elektronika*, 11, 4, 835-838 (1984).
10. Churakov W.W., Petukhov V.O., *Chem. Phys. Lett.*: 108, 3, 241-244 (1984).
11. Petukhov V.O. and Churakov V.V., *Phys. Briefs*: 6, 16 (1984).
12. Rosman R., Katzir A., *IEEE Journal of Quantum Electronics*, 19 (1), 73-77 (1983).
13. Nath A.K., Biswas D.J., Nundy U., *IEEE J. Quant. Electron.*: 19, 1, 82-88 (1983).
14. Penco E., Marchetti R., *USA Patent N 4 509 176 & EU Patent N 006 77 97* (1982).

B.I.4. Atanasov P.A., Petrova M.D. and Grodel M., Opt. & Quant. Electron.: 13, 251-253 (1981).

15. Kumar M. and Nath A.K., *Opt. Engineering*: 33, 6, 1885-1888 (1994).
16. Tou T.Y. and Low K.S., *Res. Sci. Instrum.*: 64, 1, 71-75 (1993).
17. Papadopolou A.D. and Serafetinides A.A., *J. Phys. D: Appl. Phys.*: 24, 11, 1917-1924 (1991).
18. Sanz F.E. and Perez J.M.G., *IEEE J. Quant. Electron.*: 27, 4, 891-894 (1991).
19. Brumme G., Paur K., *USA Patent N 4 703 490*, 27 Oct. (1987).
20. Giorgi M. and Marchetti S., *Opt. and Quant. Electron.*: 15, 2, 185-186 (1983).
21. Howells S. and Cridland J.V., *J. Phys.E: Sci. Instrum.*: 15, 2, 542-547 (1982).

B.I.5. Атанасов П.А., Зарослов Д.Ю., Карлов Н.В., Ковалев И.О., Кузьмин Г.П., Прохоров А.М., Письма ЖТФ: 9, 15, 928-932 (1983).

22. Tsirikas G.N., *PhD Thesis*, NTU Athens: 125 (1997).
23. Lytkin A.P., *Zh. Tech. Fiz.*: 61, 5, 97 (1991).
24. Брынзалов П.П., Кандидатска дисертация: Москва (1989).
25. Brnzalov P.P., Zikrin B.O., *Pisma Zh. Tech. Fiz.*: 6, 512 (1989).
26. Василев С.Г., Кандидатска дисертация: С. (1988).
27. Брынзалов П.П., Зыкрин Б.О., Письма ЖТФ: 14, 10, 946 (1988).
28. Yoder M.J., *Proc. SPIE, OSA Conf.*: 324 (1987).
29. Нестеренко А.А., Кандидатска дисертация: Москва (1987).
30. Beverly R.E., *J. Appl.Phys.*: 60, 1, 104-124 (1986).
31. Горковский В.П., *И Всесоюз. сов. "Физ. эл. пробоя газов"*: 3.22, 384 (1984).
32. Горковский В.П., *Квант. Электрон.*: 11, 9, 1867 (1984).

B.I.6. Атанасов П.А., Голубченко В.П., Карлов Н.В., Ковалев И.О., Кузьмин Г.П., Прохоров А.М., Писма в Zh.T.F.: 11, 13, 786-790 (1985).

33. Yoder M.J., Schaefer R.B., O'Brien J., Connolly J., "Surface discharge preionized CO₂ laser development", *OSA Conf.*, 1-8 (1987).
34. Kashiwabara S., Watanabe K., Fujimoto R.: *J. Appl. Phys.*: 63, 8, 2514-2516 (1988).

B.I.7. Атанасов П.А., Брынзалов П.П., Йотов И.Н., Карлова Е.К., Ковалев И.О., Кузьмин Г.П., Краткие Сообщ. по Физике: N. 7, 27-29 (1987).

35. Matousek P. and Vrbova M., *Proc. Tech. Univ. of Prague: Czech Rep.*, 25 (1987).
36. Нестеренко А.А., Кандидатска дисертация: Москва (1987).
37. Зикрин Б.О., *IV Всесоюз. Конф. по Физ. газ. разр.*: ч. II, 97, Москва (1987).

B.I.9. Atanasov P.A., Iotov I.N., Kuzmin G.P., Kovalyov I.O., "Lasers and Appl.", ed. Spasov A.Y., WSPCo, Singapore: 585-588 (1987).

38. Matousek P. and Vrbova M., *Czech. J. Phys.*: 38, 12, 1375 (1988).
39. Matousek P. and Vrbova M., *Tech. Report*, "Preionization of TEA CO₂ laser by sliding discharge", Tech. Uni. of Prague 1-25 (1987).

B.I.10. Atanasov P.A., Gendjov S.I., J. Phys.D: Appl. Phys., 20, 597-601 (1987).

40. Kannatey-Agibu E., "Principles of Laser Materials Processing", Wiley (2009).
41. Wang Z., Chen Z., Li Y., He L., Lu F., *Zhongguo Jiguang/Chinese J. of Lasers*, 36 (SUPPL.), 130-133 (2009).
42. Lai C.C., "Finite Element Analysis of CO₂ Laser Ablation of Glass", *Thesis MS, Mechan. Engin.*, Taiwan, 97 pgs. (2008).
43. Jiao J.-K., Wang X.-B., *Qiangjiguang Yu Lizhishu/High Power Laser and Particle Beams*: 19 (1), 1-4 (2007).
44. Coelho J.M.P., Alves D.C., Abreu M.A., *Mater. Sci. Forum*, 514-516: 729-733, Part 1-2 (2006).
45. Ion J.C., "Laser Processing of Engineering Materials", 456-475, Elsevier, Amsterdam (2005).
46. Liyun Zheng, "Process Control of Applied Laser System for Enhanced Glass Production", *PhD Thesis*, West Virginia Uni. (2000).
47. Chryssolouris G., *Laser Machining Analysis, Mechanical Engineering Series*, 160-208, Springer, New York (1991).
48. Chryssolouris G., *Laser Machining Applications*, In *Laser Machining*, 209-274, Springer, New York (1991).

B.I.12. Atanasov P.A., Vasilev S.G., Kovalyov I.O., Kuz'min G.P., Nesterenko A.A., J. Phys. D: Appl. Phys.: 21, 1750-1754 (1988).

49. Koroteeva E., Znamenskaya I., Orlov D., Syssoev N., *Journal of Physics D: Applied Physics*, 50(8), 085204 (2017).
50. Marchetti S. and Simili R., *J. Phys. D: Appl. Phys.*: 31, 20, 2783-2788 (1998).
51. Tsirikas G.N., *PhD Thesis*: NTU Athens, 21 (1997).
52. Tsirikas G.N., *PhD Thesis*: NTU Athens, 123 (1997).
53. Kovalchuk O.B., Minenkov V.R., and Shubin B.G., *Zh. Tech. Fiz.*: 63, 12, 115-118 (1993).
54. Iotov I.N., *J. Phys. D: Appl. Phys.*: 25, 6, 945-952 (1992).
55. Petrov D.S., *Bulgarian Journal of Physics*, 18(4), 341 (1991).
56. Steyer M., Stankov K.A., and Mizoguchi H., *Appl. Phys. B: Photophys. and Laser Chemistry*: 49, 4, 331-337 (1989).

B.I.13. Atanasov P.A., Vasilev S.G., Kovalyov I.O., Kuz'min G.P., Nesterenko A.A., Zykrin B.O., J. Phys. E: Sci. Instrum.: 21, 1071-1073 (1988).

57. Yasuoka K., Yamanoi T., Maeda K., and Ishii Sh., *IEEE Trans.Fundamentals and Materials*, 123, 43-48 (2003).
58. Tsirikas G.N., *PhD Thesis*: NTU Athens, 125 (1997).
59. Petrov D.S., *Bulgarian Journal of Physics*, 18(4), 341 (1991).

B.I.14. Paskov P.P., Pavlov L.I., Atanasov P.A., Kushev D.B., Zheleva N.N., Opt. Commun.: 65, 2, 133-136 (1988).

60. Etalon F.P., "Optical Bistability", World Sci., Sinapore (2000).
61. He G., Liu S.H., "Physics of nonlinear optics", 216, WSP Com. Singapore (1999).
62. Klann R., Buhleier R., Elsaesser Th., and Lambrecht A., *Appl. Phys. Lett.*: 59, 8, 885-887 (1991).
63. Gladkii S.V., *Inorg. Materials*: 26, 9, 1579 (1990).

B.I.15. Paskov P.P., Pavlov L.I., Atanasov P.A., Kushev D.B., Zheleva N.N., Phys. Stat. Sol.(b): 150, 2, 729-733 (1988).

64. Yongdale E.R., Meyer J.R., Hoffman C.A., Bartoli A. F., Martinez J., *Sol. Stat. Commun.*: 80, 2, 95-99 (1991).
65. Youngdale E.R., Meyer J.R., Bartoli F.J., Hoffman C.A., *Intern. J. of Nonlinear Optical Physics*, 1, 03, 493-531 (1992).
- B.I.16.** Paskov P.P., Pavlov L.I., **Atanasov P.A.**, *Phys. Stat. Sol. (b)*: 149, 739-746 (1988).
66. Toyoda K., *Ferroelectrics*, 123 (1), 283-358 (1991).
67. Гуменюк-Сычевская Ж.В., Сизов Ф.Ф., *ФТП*: 25, 913 (1991).
68. Gumenjuk-Sichevskaya J.V. and Sizov F.F., *Superlattices & Microstructures*: 10, 4, 513-516 (1991).
69. Gumennyuk-Sychevskaya Z.V., Sizov F.F., *Sov. Phys. Semiconductors*: 25, 5, 552-555 (1991).
- B.I.19.** **Atanasov P.A.** and Baeva M.G., *Proc. SPIE*: 1031, 56-59 (1989).
70. Rudolph R., Harendt A., Bisin P., Gundel H., *J. Phys.D: Appl. Phys.*: 26, 4, 552 (1993).
71. Nath A.K. and Kumar M., *IEEE J. Quant. Electron.*: 29, 4, 1199-1204 (1993).
- B.I.21.** **Atanasov P.A.** and Serafetinides A.A., *Optics Commun.*: 72, 6, 356-360 (1989).
72. Treshchalov A. B., A.A. Lisovskii, *Journal of Optical Technology*, 79, 8, 456-461 (2012).
73. Bong-Yeon Lee, *Optical Soc. of Korea*, 16, 5, 450-455 (2005).
74. Tsirikas G.N., *PhD Thesis*: NTU Athens, 20 (1997).
75. Tsirikas G.N., *PhD Thesis*: NTU Athens, 125 (1997).
76. Niewierowicz T., Kawecki L., and De la Rosa J., *Revista Mexicana de Fisica*: 41, 6, 822 (1995).
77. Mylecharane E.J., *Behav. Br. Res.*: 73, 1-2, 1 (1995).
78. Tsirikas G. and Papayannis A., *9th Nat. Conf. "Las. & Appl."*, Athens: 18 (1992).
- B.I.24.** Paskov P.P., Pavlov L.I., **Atanasov P.A.**, *Optical & Quant. Electron.*: 21, 159-165 (1989).
79. Shehadeh S., Cada M., Qasymeh M., Ma Y., *Sensors Journal IEEE*, 11, 9, 1899-1904 (2011).
80. Zhou H., Yang Z., In *ITE Technical Report*, The Institute of Image Information and Television Engineers, 21.11, 109-113 (1997).
81. Haiguang Z., Zhilin Y., *4th Asian Symposium on Information Display*, Hong Kong; 13-14 Feb. 1997, 171-174 (1997).
82. Ji W. and Kukawadia A.K., *J. Appl. Phys.*: 75, 3340 (1994).
- B.I.26.** Андреев С.И., **Atanasov P.A.**, Брынзалов П.П., Карлов Н.В., Кислицев А.В., Ковалев И.О., Кузьмин Г.П., Левченко О.А., Нестеренко А.А., *ЖТФ*, 60, 1, 102-106 (1990).
83. Tsirikas G.N., *PhD Thesis*: NTU Athens, 126 (1997).
- B.I.27.** Serbezov V.S. and **Atanasov P.A.**, *Measur. Sci. Technol.*: 1, 601-604 (1990).
84. Lin Gong-Ru, "Localized synthesis of silicon nanocrystals in silicon-rich SiO₂ by CO₂ laser annealing", *Annual Report of U.S. Airforce Sponsered Project AOARD AOARD-05-4093*, 1-13 (2007).
85. Lin Gong-Ru, "Silicon-rich SiO₂ by CO₂ laser annealing", *PhD Thesis, National Chiaio Tung Univ. HSINCHU (Taiwan)*, Inst. of Electro-Optical Engin. (2007).
86. Lin Gong-Ru, Lin Chun-Jung, Chou Li-Jen, Chueh Yu-Lun, *IEEE Trans. on Nanotech.*, 5, 5, 511-516 (2006).
87. Niewierowicz T., Kawecki L., DelaRosa J., *Revista Mexicana de Fisica*: 41, 6, 822 (1995).
88. DelaRosa J., Fonseca W.H., Calva P.A., Linares R., Vazquez Martinez A., *Meas. Sci. Tech.*: 5, 9, 1109-1114 (1994).
89. Houtman H., Cheuck A., Elezzabi A.Y., Ford J.E., Laberge M., Liese W., Meyer J., Stuart G.C., Zhu Y., *Rev. Sci. Instrum.*: 64, 4, 839 (1993).
- B.I.29.** Serbesov V., Benacka S., Hadziev D., **Atanasov P.**, Elektorov N., Smatko V., Stribik V., Vassilev N., *J. Appl. Phys.*, 67, №11, 6953-6957 (1990).
90. El Ouazzani H., Dabos-Seignon S., Gindre D., Iliopoulos K., Todorova M., Bakalska R., Penchev P., Sotirov S., Kolev T., Arbaoui A., Bakasse M., Sahraoui B., *J. Physical Chemistry C*, 116, 12, 7144-7152 (2012).
91. George J., "Preparation of thin films", 38 pgs. (1992).
- B.I.33.** Baeva M.G., **Atanasov P.A.**, *Proc. SPIE*, 1810, 109-112 (1992).
92. Li Qing, Wang You-qing, Huang Hong-yan, *Laser Technology*, 34(3), 339-342 (2010).
93. Li Q., Wang Y., Huang H., Jia X., *Proc. of SPIE*, 7276, 72760I, 1-6 (2009).
94. Li Q., Wang Y., Huang H., Jia X., *Proc. of SPIE*, 7276, 72760H, 1-6 (2009).
95. Li Q., Wang Y., *Chinese Optics Letters*, 6 (7), 513-516 (2008).
- B.I.34.** Baeva M.G., **Atanasov P.A.**, *Proc. LAMP'92*: 85-89 (1992).
96. Peng Xiaoyuan, Li Shimin, and Zuo Duluo, *Proc. SPIE*: 387 (1997).
97. Paul R., "Optimierung von HF-Gasentladungen fuer schnell langsgestromte CO₂ laser", *PhD Dissert.*: Univ. Stuttgart, N121 (1994).
- B.I.35.** **Atanasov P.A.**, *Proc. SPIE*, 1810, 628-631 (1992).
98. Brüggmann M.H., Feuer T., *WLT*, 1-10 (2015).
99. Eltawahni H.A., Benyounis K.Y., Olabi A.G., "High power CO₂ laser cutting for advanced materials—Review, *Elsevier*, (2014).
100. Brüggmann M.H., Feuer T., *Appl. Phys. A*, 116, 3, 1353-1364 (2014).
101. Eltawahni H.A., "Optimisation of process parameters of high power CO₂ laser cutting foe advanced materials", *PhD Thesis*, School of Mechanical & Manufacturing Engin., Dublin City Uni., 306 pgs. (2011).
102. Guo Ru-hai, Li Dian-ji, Yang Gui-long, Zhang Lai-ming, *Chinese Journal of Optics and Applied Optics*, 2, 3, 253-257 (2009).
103. Yan C., Li Lijun, Li J., Xie X., Zhang Y., *Laser Technology*, 29(3), 270-274 (2005).
- B.I.37.** Baeva M.G., **Atanasov P.A.**, *J. Phys. D: Appl. Phys.*: 26, 546-551 (1993).
104. Ponduri S., "Understanding CO₂ containing non-equilibrium plasmas", *PhD Thesis*, Eindhoven, Technische Universiteit Eindhoven, 184 pgs. (2016).
105. Cui ling, Wang Youqing, Li Qing, Huang Hongyan, Zhu Xinzhi, *Applied Laser*, 31, 1, 15-19 (2011).
106. Huang H., Wang Y., *Chinese Optics Letters*, 9, 1, 011401, 1-4 (2011).
107. Li Qing, Wang You-qing, Huang Hong-yan, *Laser Technology*, 34(3), 339-342 (2010).
108. Li Qing, Wang You-qing, Huang Hong-yan, *Laser Technology*, 4, 525-528 (2010).
109. Huang H.Y., Wang Y.Q., *Optical Engineering*, 49, 11, Art. N 114201 (2010).
110. Li Q., Wang Y., Huang H., Jia X., *Proc. of SPIE*, 7276, 72760I, 1-6 (2009).
111. Li Q., Wang Y., Huang H., Jia X., *Proc. of SPIE*, 7276, 72760H, 1-6 (2009).
112. Adineh V.R., Aghanajafi C., Dehghan G.H., Jelvani S., *Optics and Laser Tech.* 40 (8), 1000-1007 (2008).
113. Jelvani S., Saeedi H., *Optics and Laser Tech.*: 40 (3), 459-465 (2008).
114. Jelvani S., Naeimi S.A., Dehghan G., Montazerolghaem M., Esmaeilpour D., *Optical Engin.*: 45 (10), art. no. 104201 (2006).
115. Siserir F., Mokhrati A.E., Louhibi D., "Description of a fast-axial-flow CO₂ laser by means of a six-temperature model", 1637-1641 (2006).
116. Siserir F., Louhibi D., *Collection of Tech. Papers - 37th AIAA Plasma Dynamics and Lasers Conf.*, 1, 125-139 (2006).
117. Amjadi, A., Imangholi, B., *Scientia Iranica*, 10 (4), 443-448 (2003).
118. Xub X.P., Shimin L.L., Numerical Modeling on Pulse Discharge of a High Power Fast-Axial-Flow CO₂ Laser. *Modeling and simulation of higher-power laser systems IV: 12-13 February, 1997, San Jose, California*, 2989, 245 (1997).
119. Peng X., Li S., Xu L., *Proc. of SPIE*, 2989, 245-249 (1997).
120. Toebaert D., Muys P., Desoppere E., *Infrared Phys. and Tech.*: 38, 6, 337-355 (1997).
121. Dong J., Tianjin H., Chongzhong Zh., Ge L., Dingfu Zh., Xingbang W., Gang Zh., Kunhong Q., Jianxiu L., Qianhua Q., *Proc. SPIE*, 2889, 392-397 (1996).
122. Toebaert D., Muys P., Desoppere E., *J. Phys. D: Appl. Phys.*, 29, 7, 1910-1916 (1996).
123. Peng X., Li S., Zuo D., *Proc. SPIE*, 2889, 398-404 (1996).
124. Sazhin S., Makhlof M., Leys C., Toebaert D., Vasquez-Malebran S., Wild P., *J. Phys. D: Appl. Phys.*: 27, 6, 1107- 1113 (1994).
125. Sazhin S., Wild P., Sazhina E., Leys C., and Toebaert D., *Optics and Laser Tech.*: 26, 3, 191 (1994).
126. Spiridonov M., Leys C., Toebaert D., Sazhin S., Desoppere E., Wild P., and McKenna-Lawlor S.P.M., *J. Phys. D: Appl. Phys.*: 27, 5, 962-969 (1994).
127. Sazhin S., Wild P., Sazhina E., Makhlof M., Leys C., and Toebaert D., *J. Phys. D: Appl. Phys.*: 27, 3, 464-469 (1994).
128. Sazhin S., Wild P., Leys C., Toebaert D., and Sazhina E., *J. Phys. D: Appl. Phys.*: 26, 11, 1872-1883 (1993).
- B.I.38.** **Atanasov P.A.**, Vasilev S.G. and Serafetinides A.A., *Optics & Laser Tech.*: 25, 1, 31-35 (1993).
129. Tcheremiskine V.I., Uteza O.P., Sentis M.L. and Makheev L.D., *Rev. Sci. Instrum.*, 77, 1, 014703, 1-8 (2006).
130. Tsirikas G.N., *PhD Thesis*: NTU Athens, 125 (1997).
131. Sobol E., Makroupoulou M. and Papayannis A., *Laser Med. Sci.*: 10, 3, 173 (1995).

132. Tsirikas G. and Papayannis A., *9th Nat. Conf. "Las. and Appl."*: Athens, 18 (1992).

B.I.39. Tzolov V.P., Grozdanov K.A., **Atanasov P.A.**, *J. Appl. Phys.*: 75, 2, 1210-1212 (1994).

133. Panchenko A.N., Suslov A.I., Tarasenko V.F., Tel'minov A.E., *Quant. Electron.*: 37 (5), 433-439 (2007).

134. Alekseev S.B., Baksht E.K., Kostyrya I.D., Panchenko A.N., Orlovskii V.M., Tarasenko V.F., *Quant. Electron.*: 34 (11) 1033-1039 (2004).

135. Kostyrya, I.D., Orlovskii, V.M., Tarasenko, V.F., Goto, T., *Proc. SPIE*, 5483, 29-34 (2004).

136. Tsirikas G.N., *PhD Thesis*, NTU Athens: 125 (1997).

B.I.40. **Atanasov P.A.**, Tomov R.I. and Serbezov V.S., *Vacuum*: 45, 12, 1215-1217 (1994).

137. Kanan S.M., El-Kadri O.M., Abu-Yousef I.A.: *Sensors*, 9, 10, 8158-8196 (2009).

138. Chrissoulouris G., Anifantis N., Karagiannis S., *J. Manuf. Sci. & E. - Trans. ASME*: 119 (4B), 766-769 (1997).

B.I.41. **Atanasov P.A.**, Tomov R.I. and Serbezov V.S., *Proc. SPIE*: 2332, 29-37 (1994).

139. Schenk P.K., VanDiu M.D., Bonnell D., Hastie J.W., Paul A.J., *Appl. Surf. Sci.*: 127-129, 655-661 (1998).

B.I.42. Serbezov V., **Atanasov P.**, Tomov R., *J. Materials Science: Materials in Electronics*, 5, 272-274 (1994).

140. Chun-Jung Lin, "Silicon-rich silicon dioxide light emitting material and device with buried nanocrystallite silicon", National Chiao Tung Univ., *PhD Thesis*, 151 pgs. Tw. (2007).

141. Lin Gong-Ru, "Localized synthesis of silicon nanocrystals in silicon-rich SiO₂ by CO₂ laser annealing", *PhD Thesis, ADA473059*, Nat. Chiao Tung Univ. Hsinchu (Taiwan) Inst. of Electro-Optical Engin. (2006).

142. Lin G.R., Lin C.J., Chou L.J., Chueh Y.L., *J. of Nanosci. & Nanotech.*: 6 (12): 3710-3717 (2006).

143. Lin G.R., Lin C.J., Chou L.J., *IEEE Trans. on Nanotechnology*: 5 (5), N 1695949: 511-516 (2006).

144. Lin, G.-R., Lin, C.-J., *Proc. SPIE*, 6195, art. no. 619515 (2006).

B.I.43. Baeva M.G. and **Atanasov P.A.**, *Nuovo Cimento*: 17D, 261-265 (1995).

145. Tsirikas G.N., *PhD Thesis*, NTU Athens: 130 (1997).

146. Tsirikas G.N. and Serafetindes A.A., *Opt. Commun.*: 134, 1-6, 145-148 (1997).

147. Tsirikas G.N. and Serafetindes A.A., *J. Phys. D: Appl. Phys.*: 29, 11, 2806-2810 (1996).

148. Tsirikas G.N., Serafetindes A.A., and Papayannis A.D., *Opt. Commun.*: 132, 295 (1996).

B.I.45. Baeva M.G. and **Atanasov P.A.**, *Proc. 8th Int'l School on Quant. Electron.*: 269-272, Sofia, Paris (1995).

149. Tsirikas G.N., Serafetindes A.A., Papayannis A.D., *Appl. Phys. B - Lasers and Optics*: 62, 4, 357-365 (1996).

150. Tsirikas G.N., Serafetindes A.A., Papayannis A.D., *J. Phys. D: Appl. Phys.*: 29, 2806-2810 (1996).

B.I. 48. **Atanasov P.A.**, *Proc. SPIE*, 2502, 632-637 (1995).

151. Daurelio G., Minutolo F.M., Curcio F., Caiazzo F., Cinquepalmi M., *Proc. SPIE*, 5777, 903-906 (2005).

152. Daurelio G., *Progetto TRIALS*, "Technology reserch and innovation byapplication of laser systems", pgs.29 + 17 (1997).

B.I.49. **Atanasov P.A.**, *Opt. Engineering*: 34, 10, 2976-2980 (1995).

153. Cosson B., *Key Engineering Materials*, 651-653, 1513-1518 (2015).

154. Yang Yang, Zhiqiang Pei, Xiqi Zhang, Lei Tao, Yen Wei, Yan Ji, *Chem. Sci.*, 5, 3486-3492 (2014).

155. Moskvitin G.V., Polyakov A.N., Birger E.M., *Welding International*, 27, 9, 725-734 (2013).

156. Roesner A., Olowinsky A., Gillner A., "Long term stability of laser joined plastic metal parts", *Lasers in Manuf. Conf., Physics Procedia*, 41, 169-171 (2013).

157. Lutey A.H.A., "High-speed laser processing of thin single and multi-layer films", *PhD Thesis*, Universita di Bologna, pgs. 159 (2013).

158. Deléglise M., Cosson B., Knapp W., *ICALEO 2012 - 31st International Congress on Applications of Lasers and Electro-Optics*, 113-118 (2012).

159. Over C., "Rapid Prototyping and Rapid Tooling" in *Tailored Light 2*, Springer Berlin Heidelberg, 253-263 (2011).

160. Reisgen U., Schleser M., Scheik S., Michaeli W., Gronlund O., Neus A., Wunderle J., Poprawe R., Rosner A., Bobzin K., Schlafer T., Theis S., Kutschmann P., Haberstroh E., Flock D., Buhrig-Polazcek A., Jakob M., *Concurrent Enterprising (ICE)*, 17th International Conference, 1-9 (2011).

161. Roesner A., Scheik S., Olowinsky A., Gillner A., Poprawe R., Schleser M., Reisgen U., *J. Laser Appl.*, 23 (3), 032007 (2011).

162. Binetruy C., Clement S., Deleglise M., Franz C., Knapp W., Oumarou M., Renard J., Roesner A., *Proc. of SPIE*, 8065, art. no. 80650U (2011).

163. Roesner A., Scheik S., Olowinsky A., Gillner A., Reisgen U., Schleser M., *Physics Procedia B*, 12, 2, 370-377 (2011).

164. Wolf N., *Tailored Light 2, Joining*, Ch. 14, RWTH edition, DOI: 10.1007/978-3-642-01237-2_14, 265-341 (2011).

165. Binetruy C., Bueter A., Castaing P., Clement S., Deleglise M., Franz C., Giessel A., Roesner A., *29th Intern. Congress on Appl. of Lasers and Electro-Optics, ICALEO 2010 - Congress Proc.*, 103, 562-566 (2010).

166. Knapp W., Clement S., Franz C., Oumarou M., Renard J., *Physics Procedia*, 5, 2, 163-171 (2010).

167. Kurosaki Y., Satoh K., *Physics Procedia* 5 (PART 2), 173-181 (2010).

168. Holtkamp J., Roesner A., Gillner A., *Int. J. Adv. Manufacturing Tech.*, 47, 9-12, SI 923-930 (2010).

169. Roesner A., Olowinsky A., Gillner A., *ICALEO 2009 - 28th Intern. Congress on Appl. of Lasers and Electro-Optics, Congress Proc.*, 102, 1563-1568 (2009).

170. Mayboudi Layla S., "Heat Transfer Modelling and Thermal Imaging Experiments in Laser Transmission Welding of Thermoplastics", *PhD Thesis*, Queen's Uni., Canada (2008).

171. Katayama S., Kawahito Y., *Scripta Materialia*: 59 (12), 1247-125 (2008).

172. Speka M., Mattei S., Pilloz M., Ilie M., *NDT & E International*: 41, 3, 178-183 (2008).

173. Abed S., Knapp W., *26th Intern. Congress on Applications of Lasers and Electro-Optics, ICALEO 2007 - Congress Proc.* (2007).

174. Coelho J.M.P., Abreu M.A., Rodrigues F.C., *Optical Engineering*, 46 (6), art. no. 064301 (2007).

175. Petring D., Polzin R., Becker M., *Springer Series in Optical Sciences*: 128, 285-533 (2007).

176. Wang C.Y., Bates P.J., Aghamirian M., Zak G., Nicholls R., Chen M., *Welding in the World*: 51, (3-4), 85-90 (2007).

177. Matayoshi T., Kurosaki Y., *Soc. of Plastics Engineers, Joining of Medical Plastics-Welding, Bonding, and Failure Prevention 2005* 2006, 53-57 (2006).

178. Kurosaki Y., Matayoshi T., Sato K., *Soc. of Plastics Engin., Joining of Medical Plastics-Welding, Bonding, and Failure Prevention 2005*, 2006, 58-62 (2006).

179. Kurosaki Y., Matayoshi T., Sato K., *ICALEO 2006 - 25th Intern. Congress on Applications of Laser and Electro-Optics, Congress Proc.*, art. no. 603 (2006).

180. Poggel M., Gillner A., Russek U., *Kunststoffe International*: 96 (3), 50-54 (2006).

181. Kurosaki Y., *J. of Quantitative Spectr. & Radiative Transf.*: 93 (1-3 Sp. Iss), 25-41 (2005).

182. Poprawe R., *Fiugen „Lasertechnik fur die Fertigung: Grundlagen, Perspektiven und Beispiele fur den Innovativen Ingenieur"*, VDI-Buch, 251-289 (2005).

183. Matayoshi T., Kurosaki Y., *Annual Tech. Conf. - ANTEC, Conf. Proc.* 1, 1210-1214 (2004).

184. Piqué A., *Photon processing in microelectronics and photonics II*: 27-30 January, 2003, San Jose, California, USA, 4977. Soc. of Photo Optical (2003).

185. Russek U.A., *Proc. of the 2nd International WLT-Conference on Lasers in Manufacturing LIM*, Munich, 105-111, 1-7 (2003).

186. Russek U.A., *VDI Berichte*, (1810), 19-30+240 (2003).

187. Russek U.A., Palmen A., Staub H., Pöhler J., Wenzlau C., Otto G., Poggel M., Kind H., *Proc. SPIE*, 4977, 458-472 (2003).

188. Kurosaki Y., Matayoshi T., Sato K., *Annual Tech. Conf. - ANTEC, Conf. Proc.*, 1, 1121-1125 (2003).

189. Abreu M.A., Rodrigues F.C., *Opt. Engineering*: 42, 11, 3365-3373 (2003).

190. Sato K., Kurosaki Y., Saito T., Satoh I., *Proc. SPIE*, 4637, 528-536 (2002).

191. Jiménez Peirez J.L., Algatti M.A., Mendoza-Alvarez J.G., Cruz Orea A., *Proc. SPIE*, 4351, 117-122 (2001).

192. Coelho J.P., Abreu M.A., and Pires M.C., *Optics & Lasers in Eng.*: 34, 4-6, 385-395 (2000).

193. Brown N., Kerr D., Jackson M.R., Parkin R.M., *Optics & Laser Tech.*: 32, 2, 139-146 (2000).

194. Rusek J.J., Macler M., "Propellant Containment via Thermotropic Liquid Crystal Polymers", No. *NAWC-WPNS-TP-8346*, Naval Air Warfare Center Weapons Div., China Lake, CA (1998).

B.I.52. **Atanasov P.A.** and Grozdanov K.A., *IEEE J. Quant. Electron.*: 32, 7, 1122-1125 (1996).

195. Malik M.A., Hughes D., *Journal of Physics D: Applied Physics*, 49(13), 135202 (2016).

196. Malik M.A., *Ind. Eng. Chem. Res.*, 53 (31), 12305-12311 (2014).

197. Artana G., D'Adamo J., Le L., Moreau E., *AIAA J.*, 40, 9, 1773-1779 (2002).

198. Serafetindes A.A., Chourdakis G., *Opt. & Laser Technol.*: 33, 2, 85-90 (2001).

199. Artana G., DiPrimio G., Moreau E., Touchard G., *AIAA paper*, No 3056, 1-15 (2001).

200. Tsirikas G.N., *PhD Thesis*: NTU Athens, 32 (1997).

201. Serafetindes A.A., Tsirikas G.N., Papayannis AD: *IEEE J. Quant. Electron.*: 33, 12, 2167-2172 (1997).

B.I.53. **Atanasov P.A.**, Manolov V.P., *J. Appl. Phys.*, 80, 4, 2003-2008 (1996).

202. Menzel R., "Nonlinear Interactions of Light and Matter with Absorption", *Photonics: Linear and Nonlinear Inter. of Laser Light and Matter.*, Springer 263-358 (2007).
203. Huang K., Zeng D., Xie C., Xu D., *J. Mater. Sci. Tech.*, 19 (SUPPL.), 147-150 (2003).
204. An C., Ye K., Yuan Y., Hong M., Lu Y., *Proc. SPIE*, 4426, 371-373 (2002).
205. Da Ming Liu, Yuan Y., Hong M., Tao Chen, Lu Y., Ryan J., Goh K., *Proc. SPIE*, 4426, 363-365 (2002).
206. Menzel R., "Nonlinear interactions of light and matter with absorption", *Photonics Advanced Texts in Physics*, Springer, 231-323 (2001).
207. Kaidong Ye D., An C., Hong M., Lu Y., *Proc. SPIE*, 4557, 174-182 (2001).
- B.I.55. Atanasov P.A., Tomov R.I., Serbesov V.S., Grunchev A., Avramov L., Proc. SPIE, 2777, 163-173 (1996).**
208. Heilmann E.-M., Kowalski T., Teigelkötter J., Hellmann R., *JLMN-Journal of Laser Micro/Nanoengineering*, 8, No. 1, 70-74 (2013).
- B.I.56. Tomov R.I., Atanasov P.A., Serbesov V.S., Proc. SPIE, 2777, 174-179 (1996).**
209. Vayssieres L., Manthiram A., "One-dimensional metal oxide nanostructures", *Encyclopedia of Nanoscience and Nanotechnology*, 8(1), 147-166 (2004).
- B.I.57. Atanasov P.A. and Baeva M.G., Proc. SPIE, 3092, 772-775 (1997).**
210. Ghavidel A.K., Zashakouyan M., *World Academy of Science, Engin. & Tech., Intern. J. of Mechanical, Aerospace, Industrial, Mechatronic and Manufacturing Engineering*, 11(10), 1707-1712 (2017).
211. Zhou R., Huang T., Chen L., Chen S., Lin S., Zhuo Y., *JLMN-Journal of Laser Micro/Nanoengineering*, 12, 2, 169-175 (2017).
212. Евстапов А.А., Лукашенко Т.А., Горный С.Г., Юдин К.В., *Микрофлюидные системы для химического анализа*, 15(2), 67-78 (2017).
213. Imran M., Rahman R.A., Ahmad M., Akhtar M.N., Usman A., Sattar A., *Laser Physics*, 26(9), 096101 (2016).
214. Chen X., Li T., Shen J., *International Polymer Processing*, 31(2), 233-238 (2016).
215. D'Addona D.M., Genna S., Leone C., Matarazzo D., *Procedia CIRP*, 41, 981-986 (2016).
216. Titapiwatanakun V., "Pharmaceutical applications of CO₂ laser irradiation", *PhD dissertation*, University College, London, 294 pgs. (2016).
217. Genna S., Leone C., Lopresto V., Tagliaferri V., *Polymer Composites*, 36, 6, 1063-1071 (2015).
218. Toossi A., Daneshmand M., Sameoto D., *Journal of Micromechanics and Microengineering*, 23, 4, 047001 (2013).
219. Sonoya K., Reza I., Ishida K., *Journal of the Surface Finishing Society of Japan*, 64, 2, 127-132 (2013).
220. Narayan V., Gupta N., Farhan S.M., *International Journal of Engineering Trends and Technology (IJETT)*, 6, 5, 257-260 (2013).
221. Zhang Lingling, Jiang Zhaoqun, Zhang Wei, Pang Yong, Wang Jianchao, Han Hua, *Applied Laser*, 32(3), 238-243 (2012).
222. Desai C.K., Shaikh A., *The Intern. J. of Advanced Manufacturing Tech.*, 60, 9-12, 865-882 (2012).
223. Hayat A. Eltawhni, "Optimisation of process parameters of high power CO₂ laser cutting of advanced materials", *PhD Thesis*, School of Mechanical & Manufacturing Engin., Dublin City Uni., 306 pgs. (2011).
224. Li Xiaoyu, Cheng Jimin, Liu Furong, Li Xiaogang, Zhang Qiang, *Laser & Optoelectronics Progress*, 48(4), 56-61 (2011).
225. Eltawhni H.A., Olabi A.G., Benyounis K.Y., *Materials & Design*, 31, 8, 4029-4038 (2010).
226. Yuan D., "Laser Direct-write Microfabrication and Patterning", *PhD Thesis*, ProQuest LLC, USA, pgs. 147 (2008).
227. Nayak N.C., Lam Y.C., Yue C.Y., Sinha A.T., *J. Micromech. & Microengin.*: 18 (9), 095020 (2008).
228. Romoli L., Tantussi G., Dini G., *CIRP Annals-Manufacturing Technol*, 56, 1, 209-212 (2007).
229. Yuan D., Das S., *J. of Appl. Phys.* 101 (2), art. no. 024901 (2007).
230. Kim H.J., Song K.J., Park S.J., Seo H.W., Kim H.S., Choi J.Y., Park S.J. *Journal of Electrical Engineering & Technology*, 2(1), 106-111 (2007).
231. Scaleria D., "Taglio e scontornatura a laser di materiali termoplastici: polietilene, polipropilene, polikarbonato", *PhD*, Politecnico di Bari, 232 pgs. (2006).
232. Romoli L., "Studio teorico-sperimentale sulla asportazione mediante laser di polimeri acrilici al fine della realizzazione di prototipi", *PhD*, Uni. di Pisa (2005).
233. Евстапов А.А., Лукашенко Т.А., Горный С.Г., Юдин К.В., *Научное приборостроение*, 15, 2, 72-81 (2005).
234. Caiazza F., Curcio F., Daurelio G., Minutolo F.M.C., *J. of Mater. Proces. Tech.* 159 (3), 279-285 (2005).
235. Kampanis M., "Lab-On-a-Chip": Fabrication and characterization of a microfluidic system for the detection of ammonia in waste water", *MSc*, Department for Nano and Microtechnology (MIC), Technical Uni. of Denmark (2004).
236. Snakenborg D., Krank H., Kutter J.P., *J. Micromech. & Microengin.*: 14, 2, 182-189 (2004).
- B.I.62. Tomov R.I., Manolov V.P., Atanasov P.A., Ouzounov D.G., Tzanev V.I., Physica C: Superconduct.: 274, 3&4, 187-196 (1997).**
237. May-Smith T.Ch., "Pulsed laser deposition of thick multilayer garnet crystal films for waveguide laser devices", *PhD Thesis*, Uni. of Southampton, Optoelectronic Research Centre, 212 pgs. (2005).
238. Rijnders G., Blank D., "High Tc cuprates - thin film processing, atomic layer controlled deposition", *Frontiers in Superconducting Materials*, 913-936 (2005).
239. Savard S., "Fabrication et étude de composants micro-ondes planaires supraconducteurs", *MSc*, Faculte des Science, Uni. de Sherbrooke, Québec, Canada (2004).
240. Tsaneva V.N., Stelmashenko N.A., Martev I.N., Barber Z.H., Blamire M.G., *Vacuum*: 69, 2-3, 267-271 (2002).
241. Mihailescu I.N., Gyorgy E., "Pulsed laser deposition: an overview" in *"Int. Trends in Optics and Photonics"*, ICO IV: Toshimitsu Asakura ed., Springer, Berlin, 201 (1999).
242. Tsaneva V., Donchev T., Veneva A., Nurgaliev T., *Vacuum* 48 (10), 803-816 (1997).
243. Buzea C., Myoren H., Wang H.B., *IEEE Trans. on Appl. Superconductivity*: 2, 2, 2398-2401 (1999).
- B.I.64. Atanasov P.A., Tomov R.I., Peshev Z.Y., Dikovska A.Og., Tsaneva V.N., Proc. SPIE, 2991, 267-272 (1997).**
244. Piquet S., "Production et caractérisation de nanoparticules de Ti³⁺: Al₂O₃ par ablation laser", *MSc thesis*, Uni. Laval, Canada (2013).
- B.I.65. Atanasov P.A., Furlinski G.I., Peshev Z.Y., Opt. Commun, 139, 223-226 (1997).**
245. Takashima K., Zouzou N., Moreau E., Mizuno A., Touchard G., *Intern. J. of Plasma Environmental Sci. & Technol.*, 1, 1, 14-20 (2007).
246. Zouzou N., Takashima K., Moreau E., Mizuno A., Touchard G., *28 ICP/IG*, July 15-20, Prague, Czech Republic, 1007-1010 (2007).
247. Tuema F.A., MacGregor S.J., Woolsey G.A., *IEE Colloquium (Digest)*, 156, 51-54 (2001).
- B.I.66. Serafetinides A.A., Tsirikas G.N., Papayannis A.D., Atanasov P.A., IEEE J. Quant. Electron., 33, 12, 2167-2173 (1997).**
248. Drakaki E., Makropoulou M., Khabbaz M., *Proc. SPIE*, 5149, 45-52 (2002).
- B.I.68. Serafetinides A.A., Tsirikas G.N., Atanasov P.A., Optics & Laser Technologies, 30, 159-162 (1998).**
249. Hung C.-T., Chiu Y.-M., Hwang F.-N., Chiang M.-H., Wu J.-S., Wang Y.-C., *Plasma Chemistry & Plasma Proces.*, 31,1, 1-21 (2011).
250. Takashima K., Zouzou N., Moreau E., Mizuno A., Touchard G., *Intern. J. of Plasma Environmental Sci. & Technol.*, 1, 1, 14-20 (2007).
251. Li X.-F., Zuo D.-L., Chen B., Cheng Z.-H., *High Power Laser & Particle Beams*, 16 (6), 697-700 (2004).
- B.I.70. Kabadjova T.D., Atanasov P.A., Tomov R.I., Zherikin A., Ouzounov D.G., Proc. SPIE, 3571, 349-353 (1999).**
252. Moiseev L., "Pulsed Laser Deposition von Er:ZBLAN-Schichten für den Aufbau eines integrierten Wellenleiterlasers im grünen Spektralbereich", *PhD Thesis*, pgs. 130 (2006).
- B.I.71. Atanasov P.A., Koleva M.E., Tomov R.I., Krastev V.I., J. Mater. Sci.: Mater. in Electron.: 10, 295-298 (1999).**
253. Welke M., Brachwitz K., Lorenz M., Grundmann M., Schindler K.-M., Chassé A., Denecke R., *Journal of Applied Physics*, 121, 225305 (2017).
254. Joseph J., Tangsali R.B., Pillai V.P., Choudhary R.J., Phase D.M., Ganeshan V., *Advanced Science Letters*, 22(4), 825-829 (2016).
255. Gupta N., Kashyap S.C., Dube D.C., *Appl. Surf. Sci.*: 253 (22), 9039-9045 (2007).
256. Kaneko H., Gokon N., Hasegawa N., Tamaura Y., *Energy*, 30, 11-12, Spec. Iss., 2171-2178 (2005).
257. Deng L., Jia D., He H., *Materials Review*, 17, 2, 66-68 (2003).
258. Kaneko H., Kojima N., Hasegawa N., Inoue M., Uehara R., Gokon N., Tamaura Y., Sano T., *Int. J. of Hydrogen Energy*, 27 (10), 1023-1028 (2002).
259. Mihailescu I.N., Teodorescu V.S., Gyorgy E., Ristoscu C., Cristescu R., *Proc. SPIE*, 4762, 64-74 (2002).
- B.I.75. Koleva M., Atanasov P., Tomov R., Matin C., Ristoscu C., Mihailescu I., Iorgov D., Angelova S., Ghelev Ch., Appl. Surf. Sci.: 154-155, 485-491 (2000).**
260. Wang H., Xu Y., Jing L., Huang S., Zhao Y., He M., Li H., *Journal of Alloys and Compounds*, 710, 510-518 (2017).
261. Budiawanti S., Soegijono B., *AIP Conference Proceedings*, 1729, No. 1, 020020 (2016).
262. Bae H., Lee Y., Kim K.J., Choi G.M., *Fuell Sel*, 15 (2), 408-415 (2015).
263. Jotania R.B., Chauhan C.C., *Journal of Solid State, Electronics and Devices*, 1, 2, 1-7 (2014).
264. Din M.F., Ahmad I., Ahmad M., Farid M.T., Asifqbal M., Murtaza G., Akhtar M.N., Shakir I., Warsi M.F., Khan M.A., *J. of Alloys & Compounds*, 584, 646-651 (2014).
265. Rafique M.S., Anjum S., Siraj K., *Thin Solid Films*, 545, 31, 608-613 (2013).
266. Pereira F.M.M., Sombra A.S.B., *Solid State Phenomena*, 202, 1-64 (2013).
267. Ruikar D.V., Kashid P.B., Patil V.R., Puri V., *Applied Surface Science*, 265, 475-479 (2013).
268. Zandalazini C.I., Oliva M.I., Ferrero J.C., *Revista Mexicana de Física S*, 58, 266-269 (2012).
269. Sahu R.K., Mohanta O., Pramanik A.K., *Journal of Alloys and Compounds*, 532, 114-120 (2012).
270. Anjum S., Shahid Rafique M., Khaleeq-ur-Rahman M., Siraj K., Arslan Usman, Hussain S.I., Naseem S., *J. Magnet. & Magnet. Mater.*, 324, 5, 711-716 (2012).

271. Singhal S., Kaur K., Jauhar Sh., Bhukal S., Bansal S., *World J. of Condensed Matter Phys.*, 1, 3, 101-104 (2011).
272. Dehlinger A.S., Le Berre M., Canut B., Chatelon J.P., Albertini D., Perrot S., Givord D., Rousseau J.J., *J. of Magnetism & Magnetic Mater.*, 322 (21), 3293-3297 (2010).
273. Anjum S., "Growth of nano-structured thin films of magnetic materials by PLD technique", *PhD thesis*, Uni. of Engin. and Technology, Lahore, Pakistan, pgs. 120 (2010).
274. Poorbafrani A., Kameli P., Salamati H., *Iranian Journal of Physical Research*, 8, 3, 119-128 (2008).
275. Rafique M.S., Khaleeq-ur-Rahman M., Saif-ur-Rehman, Anjum S., Anwar M.S., Bhatti K.A., Saeed S., Awan M.S., *Vacuum*, 82 (11), 1233-1237 (2008).
276. Vérité M., Valetas M., Bessaudou A., Cosset F., Vareille J.C., *J. Eur. Ceram. Soc.*, 25, 9, 1689-1695 (2005).
277. Mihailov N.I., Vankov O.I., Petrova N.L., Kovacheva D.C., *Central Eur. J. of Chem.*: 2, 1, 188-195 (2004).
278. Santos J.V.A., Macedo M.A., Cunha F., Sasaki J.M., Duque J.G.S., *Microelectron. J.*: 34, 5-8, 565-567 (2003).
279. Mihailov N., Todorovska R., Groudeva-Zotova S., Vankov O., Todorovsky D., *Proc. SPIE*, 4397, 324-328 (2001).

B.I.76. Atanasov P.A., Tomov R.I., Perriere J., Eason R.W., Vainos N., Klini A., Zherikhin A., Millon E., *Appl. Phys. Lett.*: 76, 18, 2490-2492 (2000).

280. Thirumalai J., Mahalingam V., Krishnan R., *Applications of Laser Ablation-Thin Film Deposition, Nanomaterial Synthesis and Surface Modification, InTech*, Ch. 2, 33-53 (2016).
281. Mahalingam V., Thirumalai J., Krishnan R., Chandramohan R., *Electronic Materials Letters*, 12(1), 32-47 (2016).
282. Krishnan R., "Synthesis and luminescence properties of rare earth doped molybdate nanostructures for display application", *PhD thesis*, B.S. Abdur Rahman University, Department of Physics, India, 171 pgs. (1015).
283. Krishnan R., Thirumalai J., *RSC Advances*, 4(109), 64258-64266 (2014).
284. Gherendi F., Nistor M., Antohe S., Ion L., Enculescu I., Mandache N.B., *Semiconductor Sci. & Tech.*, 28, 8, 085002 (2013).
285. Grivas C., *Progress in Quantum Electronics*, 35 (6), 159-239 (2011).
286. Bekenev V.L., Khyzhun O.Yu., Atuchin V.V., *J. of Alloys and Compounds*, 485 (1-2), 51-58 (2009).
287. Jelinek M., Flory F., Escoubas L., *Intern. J. of Mater. & Product Tech.*, 34, 4, 438-453 (2009).
288. Jelinek M., *Laser Physics* 19 (2) 265-273 (2009).
289. Li H., Wu X., Song R., *Materials Characterization* 59 (8), 1066-1069 (2008).
290. Pollinau M., Romanyuk Y.E., *Comptes Rendus Physique*, 8 (2), 123-137 (2007).
291. Okato T. and Obara M., "Fabrication of waveguides by laser deposition" in *Laser Ablation and its Applications*, ed. C.R. Phipps, Springer, 299-314 (2006).
292. Klopp P., "New Yb³⁺-doped laser materials and their application in continuous-wave and mode-locked lasers", *DSci Thesis*, Humboldt-Universität, Berlin, 204 pgs., N Ata00 (2006).
293. Kuzminykh Y., "Crystalline, rare-earth-doped sesquioxide and YAG PLD-films", *PhD Thesis*, Universität Hamburg, pp.129, N PPat (2006).
294. Kuzminykh Y., Kahn A., Huber G., *Optical Materials*: 28 (6-7), 883-887 (2006).
295. Romanyuk Y.E., "Liquid-phase epitaxy of doped KY(WO₄)₂ layer for waveguide lasers", *PhD Thesis*, École Polytechnique Federal de Lausanne, 144 pgs. (2006).
296. Okato T., *PhD Thesis*, Keio University, 214 pgs. (2006).
297. Atuchin V.V., Kesler V.G., Maklakova N.Yu., Pokrovsky L.D., Sheglov D.V., *European Phys. J. B*: 51 (2), 293-300 (2006).
298. Lancok J., Garapon C., Vorlicek V., Jelinek M. and Cernansky M., *Optical Materials*: 28, 4, 360-369 (2006).
299. Jelinek M., Kocourek T., Flory F., Escoubas L., Mazingue T., "Functional Properties of Nanostructured Materials" - *Book Series: NATO Sci. Ser. II: Mathem., Phys. and Chem.*, 223, 197-210 (2006).
300. Marksches C., "New Yb³⁺-doped laser materials and their application in continuous-wave and mode-locked lasers", *PhD Thesis*, Humboldt-Universität, Berlin, (2006).
301. Atuchin V.V., Kesler V.G., Maklakova N.Yu., Pokrovsky L.D., *Solid State Commun.*: 133, 6, 347-351 (2005).
302. Major A., Aitchison J.S., Smith P.W.E., Langford N., Ferguson A.I., *Opt. Lett.*: 30, 4, 421-423 (2005).
303. Romanyuk Y.E., Utke I., Ehrentraut D., Apostolopoulos V., Pollnan M., Garcia-Revilla S., Valente R., *J Cryst. Groth*: 269, 2-4, 377-384 (2004).
304. Armando L. and QINETIQ LTD, "Raman optical waveguide", *EU Patent*: G02B6/134; H01S3/30 (2004).
305. Armando L. and QINETIQ LTD, "Raman optical waveguide with refractive index modified by ion implantation and fabrication method", *GB Patent*: GB 2394553 (A) (2004).
306. Jelinek M., Lancok J., Pavelka M., *Proc. SPIE*: 5226, 335-346 (2003).
307. Jelinek M., *Czech. J. Phys.*: 53, 5, 365-377 (2003).
308. Mackova A., Perina V., Havranek V., Lancok J., Pavelka M., *Czech. J. Phys. Suppl.*: 53, 1, A241-A246 (2003).
309. Jelinek M., Lancok J., Pavelka M., *Appl. Phys. A: Mater. Sci. & Proces.*, 74, 4, 481 (2002).
310. Jelinek M., Lancok J., Pavelka M., *Laser Physics*, 12, 2, 325-328 (2002).
311. Barrington S.J., "Planar waveguide devices fabricated by pulse laser deposition method", *PhD Thesis*, Uni. of Southempton, 176 pgs. (2001).
312. Chety R., Boudrioua A., Loulergue J.C., Dahoun A., *J. Mater. Chem.*: 11, 2, 657-659 (2001).

B.I.77. Tomov R.I., Kabadjova T.D., Atanasov P.A., Tonchev S., Kaneva M., Zherikhin A., Eason R.W., *Vacuum*: 58, 2-3, 396-403 (2000).

313. Jha A., *Inorganic Glasses for Photonics Fundamentals, Engineering, and Applications*, 178-208 (2016).
314. Агеев О.А., "Исследование влияния режимов импульсного лазерного осаждения на морфологию нанокристаллических пренок LiNbO₃", *Сборник материалов ИТЭР-2015*, 100-103 (2015).
315. "Investigation of AlGaIn/GaN complementary metal-oxide-semiconductor high-electron-mobility transistors fabricated using photoelectrochemical method and LiNbO₃ ferroelectric film", *Applied Science, Microelectronics and Optoelectronics*, P1-76 (2015).
316. Xiang-Nan Xiao, "Fabrication of lithium niobate microring devices using ultrasound-aided-etching", *Applied Science, Microelectronics and Optoelectronics, PhD Thesis*, Nat. Taipei Uni. of Technol., pgs 91 (2011).
317. Shih W.C., Sun X.Y., *Physica B: Condensed Matter*, 405 (6), 1619-1623 (2010).
318. Shih W.C., Sun X.Y., Wang T.L., Wu M.S., *Ferroelectrics*, 381, 92-99 (2009).
319. Jelinek M., Flory F., Escoubas L., *Intern. J. of Mater. & Product Tech.*, 34, 4, 438-453 (2009).
320. Wen-Cheng Sung, "Fabrication of LiNbO₃ thin film by RF magnetron sputtering", *MS Thesis*, Institute of Opto-Electronic Engineering, Tatung Uni., 117 pgs. (2009).
321. Jelinek M., *Laser Physics* 19 (2) 265-273 (2009).
322. Johnston B.F., "Fabrication and characterisation of poled ferroelectric optical crystals", *PhD thesis*, Macquarie Uni., Australia, pgs. 248 (2009).
323. Wang X.-C., Ye Z.-Z., Zhao B.-H., *Guangdianzi Jiguang/Journal of Optoelectronics Laser*, 19 (11), 1486-1489 (2008).
324. Shih W.C., Wang T.L., Sun X.Y., Wu M.S., *Jap. J. of Appl. Phys., Part 1*: 47 (5 PART 2), 4056-4059 (2008).
325. Caballero Calero O., "Nonlinear optical waveguides in LiNbO₃ and periodically poled LiNbO₃", *PhD Thesis*, Uni. Autónoma de Madrid, Dpt. de Física de Materiales, pgs. 217 (2007).
326. Wang X., Ye Z., Li G., Zhao B., *J. of Crystal Growth*, 306 (1), 62-67 (2007).
327. Shih W.C., Wang T.L., Sun X.Y., Wu M.S., *Proc. of Symp. on Ultrasonic Electronics*, 28, 261-262 (2007).
328. Hwang F.T., "The Study of Lithium Niobate Thin Films by RF Sputtering Method", *PhD Thesis*, Optics and Photonics Dpt., China, 115 pgs. (2006).
329. Okato T., *PhD Thesis*, Keio University, 214 pgs. (2006).
330. Jelinek M., Kocourek T., Flory F., Escoubas L., Mazingue T., *NATO Sci. Ser. II: Mathem., Phys. and Chem.*, 223, 197-210 (2006).
331. Sun S., "Deposition of highly c-axis oriented LiNbO₃ thin films on SiO₂/Si substrates with a ZnO buffer layer by pulsed laser deposition for surface acoustic wave application", *MS Thesis*, Ta Tung Uni., Taiwan, pgs. 72 (2005).
332. May-Smith T.Ch., "Pulsed laser deposition of thick multilayer garnet crystal films for waveguide laser devices", *PhD Thesis*, SOTON, pgs. 213 (2005).
333. Fu-Tsai Hwang, "The study of lithium niobate thin films by RF sputtering method", *PhD thesis*, Optics and Photonics Dpt. (2005).
334. Di Bin P., Di Bin C., Bouibrine I., Canale L., *Proc. SPIE*, 5250, 294-301 (2004).
335. Bornand V., Huet I., Papet Ph., *Materials Chemistry and Physics*: 77, 2, 571-577 (2003).
336. Jelinek M. et al, *Proc. SPIE*: 5226, 335-346 (2003).
337. McKiernan A.P., "Study of Ga, GaN, Li and LiF laser ablation plumes using spectroscopic and fast imaging techniques", *PhD thesis*, Dublin City Uni., 202 pgs. (2003).
338. Jelinek M., *Czech. J. Phys.*: 53, 5, 365-377 (2003).
339. Bornand V., Papet P., *Ferroelectrics*: 288, 187-197 (2003).
340. Ying M., Xia Y.Y., Sun Y.M., Ying M., Xia Y., Sun Y., Lu Q., Zhao M., Liu X., *Appl. Surf. Sci.*: 207, 1-4, 227-235 (2003).
341. Jiang Y.D., McGee J., Polley T.A., Scherzwerl R.E., Hunt A.T., *Mater. Res. Soc. Symp. - Proc.*, 688, 297-302 (2002).

B.I.78. Koleva M.E., Tomov R.I., Zotova S., Atanasov P.A., Martin C., Ristoscu C., Mihailescu I.N., *Vacuum*, 58, 2-3, 294-299 (2000).

342. Joseph J., Tangsali R.B., Pillai V.P.M., Choudhary R.J., Phase D.M., Ganeshan V., *Physica B: Condensed Matter*, 456, 293-297 (2015).
343. Xi X.W., Chen Y.J., Zhang X.Y., *Vacuum*, 75, 161-167 (2004).

B.I.79. Atanasov P.A., Imamova S.E., Hugel H., Abeln T., *J. Appl. Phys.*: 88, 8, 4671-4675 (2000).

344. Li Zhao-yao, Sun Ming-yang, Hao Yan-fei, Pang Xiang-yang, Liu Zhi-gang, Zhangy a-nan, *Acta Photonica Sinica*, 46, 10, 1014003-1-8 (2017).
345. Osvey K., Képiró I., Berkesi O., *Appl. Surf. Sci.*, 252, 13 SPEC. ISS., 4516-4522 (2006).

346. Abramski K.M., Lapucci, A., *Proc. of SPIE*, 5958, ,5958364 (2005).
347. Son Sang-Uk, Choi Yo-Han, Lee Seung-Seob, *Trans. of the Korean Soc. of Mechanical Engin. A*, 28, 8, 1159-1165 (2004).
348. Hien T.T.T., Ishizaki C., Ishizaki K., *J. Ceram. Soc. Jpn.*: 111, (1289), 1, 28-32 (2003).
349. Helvajian H., "3D Microengineering via direct-write processing approaches", in *Direct-write Technol. for Rapid Prototyping Technol.*, ch.14, 415-472 (2001).
- B.I.80.** Koleva M.E., Zotova S., **Atanasov P.A.**, Tomov R.I., Ristoscu C., Nelea V., Chiritescu C., Gyorgy E., Ghica E., Mihailescu I.N., *App. Surf. Sci.*, 168, 108-113 (2000).
350. Nagarajan B., Aguilera A.F.E., Qureshi A., Mertiny P., *ASME 2017 Intern. Mech. Engin. Congress & Exposition*, V002T02A032-V002T02A032, Am. Soc. of Mech. Engin. (2017).
351. Singh J., "Preparation and characterization of Barium Hexaferrite thin films", *PhD Thesis*, Thapar Inst. of Engineering and Technol., India, 44 pgs. (2017).
352. Kim D.H., Han S.H., Kang Y.M., Yang D., Ross C.A., *Journal of Alloys and Compounds*, 692, 545-551 (2017).
353. Samarasekara P., Saparamadu U., *arXiv preprint arXiv*, 1607.02327 (2016).
354. Ghasemi A., *Journal of Alloys and Compounds*, 684, 245-253 (2016).
355. Roy D., Anil Kumar P.S., *Journal of Applied Physics*, 115, 7, Article N 073906 (2014).
356. Masoudpanah S.M., Seyyed Ebrahimi S.A., Ong C.K., *J. of Magnetism and Magnetic Materials*, 315, 81-85 (2014).
357. Katlakunta S., Praveena K., Singh R., *Materials Science-Poland*, 31, no. 4, 581-586 (2013).
358. Roy D., Kumar P.S., "Control of magnetization reversal in oriented Strontium Ferrite thin films", *arXiv preprint arXiv:1308.0171* (2013).
359. Samarasekara P., Saparamadu, U., *Journal of Physics*, 2, No. 2, 12-16 (2013).
360. Harris V.G., *IEEE Transactions on Magnetism*, 48, 3, 1075-1104 (2012).
361. Harris V.G., "Microwave Magnetic Materials", *Handbook of Magnetic Materials*, 20, 1-63 (2012).
362. Masoudpanah S.M., Seyyed Ebrahimi S.A., Ong C.K., *J. of Magnetism and Magnetic Materials*, 324, 17, 2654-2658 (2012).
363. Pardo J.A., Santiso J., Solís C., Garcia G., Figueras A., "Sr₄Fe₃O₁₃ Epitaxial Thin Films" in *Mixed Ionic Electronic Conducting Perovskites for Advanced Energy Systems*, 173, 265, (2012).
364. Zi Zhenfa, Lu Jian Guo, Hong-yan, Fang Lin, Chun-Qiang, Zhu Xuebin, Dai Jianming, *J. of Functional Materials*, 1418-1420 (2011).
365. Masoudpanah S.M., Ebrahimi S.A.S., *Thin Solid Films*, 520 (1), 199-203 (2011).
366. Li Y.Q., Huang Y., Qi S.H., Niu F.F., Niu L., *J. of Magnetism and Magnetic Materials*, 323 (16), 2224-2232 (2011).
367. Masoudpanah S.M., Seyyed Ebrahimi S.A., *Research on Chemical Intermediates*, 37 (2-5), 259-266 (2011).
368. Huang Ping, Han Man-gui, *Magnetic Materials and Devices*, 41, 2, 42-45 (2010).
369. Chen Zhongyan, Feng Zekun, Bear-hyun, *Magnetic Materials and Devices*, 41, 2, 22-24 (2010).
370. Zi Z.F., Liu H.Y., Liu Y.N., Fang L., Liu Q.C., Dai J.M., Zhu X.B., Sun Y.P., *J. of Magnetism & Magnetic Mater.*, 322 (22) 3638-3641(2010).
371. Harris V.G., Geiler A., Chen Y., Yoon S.D., Wu M., Yang A., Chen Z., He P., Parimi P.V., Zuo X., Patton C.E., Abe M., Acher O., Vittoria C., *J. of Magnetism & Magnetic Materials*, 321, 14, 2035-2047 (2009).
372. Ghasemi A., Morisako A., Liu X., *J. of Magnetism and Magnetic Materials* 320 (18), 2300-2304 (2008).
373. Solís Díaz C., "Películas delgadas epitaxiales de Sr₄Fe₃O₁₃ obtenidas mediante PLD: Relación entre microestructura y propiedades de transporte electrónico a alta temperatura", *PhD Thesis*, Dept. de Física, UAB, Castellà, pp. 129 (2007).
374. Chou Mei-Ni, "Epitaxial Growth of Hexagonal Ferrite Films by Thermal Spray", *MS Thesis*, Stony Brook Uni., USA, pp. 60 (2007).
375. Kado T., *J. Appl. Phys.*, 100 (5): Art. No. 053906 (2006).
376. Pardo J.A., Santiso J., Solís C., Garcia G., Figueras A., "Mixed Ionic Electron. Conducting Perovskites for Advanced Energy Systems" - *NATO Sci. Ser. II: Mathem., Phys. and Chem.*, 173, 265-272 (2004).
- B.I.81.** Eugenieva E.D., **Atanasov P.A.**, *Mater. Sci. in Semiconductor Proc.*, 3, 575-579 (2000).
377. Cho S.J., Kim K.B., Cho J.G., Kim J.H., Jung S.T., Chul-Ho C.H.O., *U.S. Patent No. 9,739,657*. Washington, DC: U.S. Patent and Trademark Office (2017).
378. Jha Animesh, "Thin-film fabrication and characterization", in *Inorganic Glasses for Photonics Fundamentals, Engineering and Applications*, 178-208 (2016).
379. Lysenko S.I., Kaganovich E.B., Kizyak I.M. and Snopok B.A., *Sensor Letters*: 3, 2, 117-125 (2005).
380. Wang W., Lan Z., Hong J.I., Wang H., *Electronic Components & Materials*, 21, 6, 23-25 (2002).
- B.I.82.** Jendrzzejewski R., Slivinski G., Martev I., Nedialkov N., **Atanasov P.**, *Proc. SPIE*, 4238, 149-154 (2000).
381. Yilbas B.S., Arif A.F.M., Karatas C., Akhtar S., Abdul Aleem B.J., *Intern. J. of Advanced Manuf. Tech.*, 49, 9-12, 1009-1018 (2010).
382. Yilbas B.S., Sahin A.Z., Ayar T., Abdul Aleem B.J., *Intern. J. of Surf. Sci. & Engin.*, 4, 4-6, 492-504 (2010).
383. Yilbas B., Arif A.F.M., Karatas C., Aleem B.J.A., Tabet N., *Industrial Lubrication and Tribology*, 62 (4), 214-223 (2010).
- B.I.83.** **Atanasov P.A.**, Eugenieva E.D., Nedialkov N.N., *J. Appl. Phys.*: 89, 4, 2013-2016 (2001).
384. Fan Z., Lu M., Huang H., *Ceramics International*, in press (2018).
385. Zhao-yan, Sun Ming-ying, Hao Yan-fei, Pang Xiang-yang, Liu Zhi-gang, Zhangy a-nan, *Acta Photonica Sinica*, 46, 10, 1014003-1014010 (2017).
386. Nasrollahi V., Penchev P., Dimov S., Korner L., Leach R., Kim K., *Journal of Micro and Nano-Manufacturing*, 5(4), 041006 (2017).
387. Kumbhar N.N., Mulay A.V., *Journal of The Institution of Engineers (India): Series C*, 1-7 (2016).
388. Aivazi M., Hossein Fathi M., Nejatidanesh F., Mortazavi V., HashemiBeni B., Matinlinna J.P., Savabi O., *Lasers in Medical Science*, 1-7 (2016).
389. Pan A.F., Wang W.J., Mei X.S., Wang K.D., Zhao W.Q., Li T.Q., *Applied Surface Science*, 275, 90-100 (2016).
390. Tumuruqoti P., Clark B.M., Sundaram S.K., *Optical Materials Express*, 5(12), 2941-2950 (2015).
391. Ho C.Y., Ku H.H., Lee Y.C., Tsai Y.H., Wen M.Y., *Materials Research Innovations*, 19(S5), 744-747 (2015).
392. Chen B.C., Ho C.Y., Wen M.Y., Chen C.S., Ma C., Tsai Y.H., *Ceramics International*, 41 (S1), S191-S196 (2015).
393. Ho C.Y., Wen M.Y., Tsai Y.H., Lee Y.C., Ku H.H., *Journal of Computational and Theoretical Nanoscience*, 12(5), 809-813 (2015).
394. Sinha S., *Ceramics International*, 41(5), 6596-6603 (2015).
395. Tangwarodomnukun V., Wang J., Huang C.Z., Zhu H.T., *International Journal of Machine Tools and Manufacture*, 79, 1-16 (2014).
396. Zheng Y., Sazegar M., Maune H., Binder J.R., Zhou X., Kohler C., Nikfalazar M., Mehmood A., Jakoby, R., *Proc. - IMAPS/ACerS 8th Intern. Conf. & Exhibition on Ceram. Interconnect & Ceramic Microsystems Tech., CICMT 2012*, 455-463 (2012).
397. Tangwarodomnukun V., "Towards damage-free micro-fabrication of silicon substrates using a hybrid laser-waterjet technology", *PhD Thesis*, New South Wales Uni., 206 pgs. (2012).
398. Chen T.-Ch., Darling R.B., "Fundamentals of laser ablation of the materials used in microfluidics" in *"Micromachining techniques for fabrication of micro and nano structures"*, 3, 35-60 (2012).
399. Ahn D., Seo C., Kim D., *J. of Applied Physics*, 112, no. 12, 124916-124916 (2012).
400. Ahn D., Jang D., Choi T.-Y., Kim D., *Appl. Phys. Lett.*, 100, 104104 (2012).
401. Lin H.-K., Lee Ch.-J., Hu T.-T., Li Ch.-H., Huang J. Ch.Ch., *Optics & Laser Engineering*, 50, 6, 883-886 (2012).
402. Samant A.N., Dahotre N.B., *International J. of Applied Ceramic Technology*, 8 (1), 127-139 (2011).
403. Shen Xinwei, "Numerical modeling and experimental investigation of laser-assisted machining of silicon nitride ceramics", *PhD Thesis*, Department of Industrial & Manufacturing Systems Engineering, 155 pgs. (2010).
404. Kim D.S., "The investigation of thermal response for via hole drilling subjected to short pulsed laser", 10, 187-188 (2009).
405. Ho C.Y., Wen M.Y., Tsai Y.-H., *J. of the Australian Ceramic Society* 45 (2), 59-63 (2009).
406. Samant A.N., Dahotre N.B., *Ceramics International* 35 (5), 2093-2097 (2009).
407. Samant A.N., Dahotre N.B., *International J. of Machine Tools and Manufacture* 48 (12-13), 1345-1353 (2008).
408. Samant Anoop, "Laser Machining of Structural Ceramics: Computational and Experimental Analysis", *PhD Thesis*, University of Tennessee, 301 pgs. (2009).
409. "Analysis of photomechanical damages in laser drilling of thin silicon wafer", 11, 747-748 (2008).
410. Osvaly K., Képiró I. and Berkesi O., *Appl. Surf. Sci.*, 252, 13 SPEC. ISS., 4516-4522 (2006).
411. Fossa J.S., "Desenvolvimento de um sistema óptico para microperforação de materiais cerâmicos, metálicos e poliméricos utilizando laser nanopulsado de Nd:YAG", *MS Thesis*, Interunidades em Ciência e Engenharia de Materiais, Brazil (2007).
412. Patil R.H., "Thermal modeling of laser drilling and cutting of engineering materials", *MS Thesis*, Oklahoma State Uni., USA, 133 pgs. (2005).
413. Lan Bin, "Laser-assisted MEMS fabrication by third harmonic DPSS Nd: YAG laser", *Thesis, ME*, Nat. Uni. of Singapore (2004).
414. Lee D.W. and Cheng M.D., *J. Aerosol Sci.*: 35 (12), 1513-1526 (2004).
415. Ho C.Y. and Lu J.K., *J. Mater. Process. Tech.*: 140, 260-265 Sp. Issue (2003).
416. Li C.F., Johnson D.B., and Kovacevic R., *P.I. Mech. Eng. B-J Eng.*: 217, 5, 583-600 (2003).
417. Li C.F., Johnson D.B., and Kovacevic R., *Int. J. Mach. Tool Manuf.*: 43, 9, 925-936 (2003).
- B.I.88.** Serafetinides A.A., Chourdakis G., **Atanasov P.A.**, *Optics & Laser Tech.*, 33, 85-90 (2001).
418. Uno K., Akitsu T., Jitsuno T., *Review of Scientific Instruments*, 85, 9, 096108 (2014).
419. Takashima K., Zouzou N., Moreau E., Mizuno A., Touchard G., *Intern. J. of Plasma Environmental Sci. & Technol.*, 1, 1, 14-20 (2007).

- B.I.89. Atanasov P.A.,** Perea A., Jiménez de Castro M., Chaos J.A., Gonzalo J., Afonso C.N., Perrière J.: *Appl. Phys.A: Mater. Sci. & Proces.*, A 74, 1, 109-113 (2002).
 420. Okato T., *PhD Thesis*, Keio University, 214 pgs. (2006).
 421. Rabisch L., Bär S., Scheife H., *Optical Materials*: 28, 6-7, 665-670 (2006).
 422. Lancok J., Garapon C., Vorlicek V., Jelinek M. and Cernansky M., *Optical Materials*: 28, 4, 360-369 (2006).
 423. Okato T. and Obara M.: *Appl. Phys. A* 80, 7, 1595-1599 (2005).
 424. Griebner U., Liu J.H., Rivier S., Aznar A., Grunwald R., Sole R.M., Aguilo M., Diaz F., Petrov V., *IEEE J. of Quant. Electron.*: 41, 3, 408-414 (2005).
 425. Burmester P.B.W., Huber G., and Kurfiss M., *Appl. Phys. A – Mater. Sci. & Proc.*: 80, 3, 627-630 (2005).
 426. Burmester P.B.W., Ishii T., Huber G., Kurfiss M. and Scilling M., *Mater. Sci. & Eng. B-Solid State Mater. Advanced Tech.*: 105, 1-3, 25-29 (2003).
- B.I.90. Jelinek M., Lancok J., Pavelka M., Studnicka V., Mackova A., Perina V., Havranek V., Flory F., Escoubas L., Garapon C., Atanasov P.A., Koleva M.E.,** *Laser Phys.*, 12, 2, 325-328 (2002).
 427. Okato T., *PhD Thesis*, Keio University, 214 pgs. (2006).
 428. Trends M., *Laser physics*, 15(2), 211-216 (2005).
- B.I.91. Atanasov P.A.,** Nedialkov N.N., Imamova S.E., Ruf. A., Hugel H., Dausinger F., Berger P., *Appl. Surf. Sci.*, 186/1-4, 369-373 (2002).
 429. Peng E., "Understanding of the formation of micro/nanoscale structures on metal surfaces by ultrafast pulse laser processing", *PhD Thesis*, The University of Nebraska-Lincoln (2017).
 430. Peng E., Bell R., Zuhlke C.A., Wang M., Alexander D.R., Gogos G., Shield J.E., *Journal of Applied Physics*, 122(13), 133108 (2017).
 431. Peng E., Tsubaki A., Zuhlke C.A., Wang M., Bell R., Lucis M.J., Anderson T.P., Alexander D.R., Gogos G., Shield J.E., *Appl. Surf. Sci.*, 396, 1170-1176 (2017).
 432. Roth J., Trebin H-R., Kiselev A., Rapp D-M., *Appl. Phys. A*, 122 (5), 500 (2016).
 433. Dong Shi Yun, Gang Xiao, Yan Shi Xing, Wang Bin, *Journal of Armored Force Engineering Institute*, 3, 83-89 (2016).
 434. Hsiang-Yu Yen, "Maximizing silicon removal rate for through-silicon-via by using ultrashort laser and experimental design approach", *PhD Thesis*, NCKUR, College of Engineering, Department of Mechanical Engineering, Tw., 119 pgs. (2014).
 435. Yang L., Sun P., An R., *Laser Journal*, 34 (6), 55-57 (2013).
 436. Zhao X., Shin Y.C., *J. Phys. D: Appl. Phys.*, 45, 10, 105201 (2012).
 437. Gill-Comeau M., "Étude par dynamique moléculaire de l'ablation par impulsions laser ultrabrèves de cibles nanocristallines", *MSc Thesis*, 231 pgs., Université de Montréal (2011).
 438. Gong X.-F., Yang G.-X., Li P., Wang Y., Ning X.-J., *Intern. J. of Modern Physics B*, 25 (4), 543-550 (2011).
 439. Liu X., Feng P., *Advanced Materials Research*, 97-101, 3807-3810 (2010).
 440. Semaltianos N.G., Perrie W., Cheng J., French P., Sharp M., Dearden G., Watkins K.G., *Appl. Phys. A: Mater. Sci. & Proces.*, 98 (2), 345-355 (2010).
 441. Bennaceur-Doumaz D., Djebli M., *Appl. Surf. Sci.*, 255, 8, 4595-4599 (2009).
 442. Liu X., Zhou W., Chen C., Zhao L., Zhang Y., *J. of Materials Proces. Tech.*, 203, (1-3), 202-207 (2008).
 443. McDonald J.P., "Near Threshold Femtosecond Laser Interactions with Materials: Ablation Thresholds, Morphologies, and Dynamics", *PhD Thesis*, The Uni. of Michigan, pgs. 231 (2007).
 444. Huang Z.G., Guo Z.N., Chen X., Yu Z.Q., Yu T.M., Lee W.B., *Nanotechnology* 18 (10) art. no. 105703 (2007).
 445. Liu X., Wang Y., Zhao L.-J., *J. of Beijing Inst. of Tech. (Eng. Ed)*: 15 (4), 406-410 (2006).
 446. Yamashita Y., Yokomine T., Ebara S., *Int. J. Thermophys.*, 27 (2): 627-646 (2006).
 447. Vitiello M., "Ultrashort pulsed laser ablation of solid targets", *PhD thesis*, Università degli Studi di Napoli Federico II, N 20, 95 (2006).
 448. Huang Z.G., Guo Z.N., Chen X., Yue T.M., To S., Lee W.B., *Materials & Manufacturing Processes*, 24, 4, 393-397 (2006).
 449. Stapleton M.W., McKiernan A.P., and Mosnier J.P., *J. Appl. Phys.*: 97 (6), 1-12 (2005).
 450. Wang Yang, Liu Xuan, Han Rong-di, *Microfabrication Technology*, 2, 5-14 (2005).
 451. Hirayama Y. and Obara M., *J. Appl. Phys.*: 97, 6, 1-6 (2005).
 452. Hirayama Y. and Obara M., *Proc. SPIE*: 5714, 271-282 (2005).
 453. Xu X., *Materials Research Society Symposium Proc.*, 850, 3-11, (2005).
 454. Cheng C. and Xu X., *Phys. Rev B*: 72, (16) 1-15, 165415 (2005).
 455. Lukes J.R., Abramson A.R., Jian-Gang Weng, *Annual Review of Heat Transfer*, 14, no. 14, 197-224 (2005).
 456. Xu X., "Fundamentals of Phase Change Processes in Laser-Materials Interaction", *37th AIAA Thermophys. Conf.*, 28 June - 1 July, Portland (2004).
 457. Xu X., "Phase Change Mechanisms in Pulsed Laser-Matter Interaction", *MRS Proceedings*, 850, MM1.1 doi:10.1557/PROC-850-MM1.1. (2004).
 458. Cheng C and Xu X, *Appl. Phys. A – Mater. Sci. & Proces.*, 79, 4-6: 761-765 (2004).
 459. Cheng C and Xu X, *American Soc. Mech. Engin., Heat Transfer Division, HTD 375 (3)*, 541-546 (2004).
 460. Mayorov Fedor, "Femtosecond imaging-mode laser-induced breakdown spectroscopy", *PhD thesis*, Kassel Uni. (2004).
 461. Zheng L., Lambropoulos J.C., and Schmid A.W., *J. Non-Crystalline Solids*: 347, 1-3, 144-152 (2004).
 462. Xu X.F., Cheng C.R., and Chowdhury I.H., *J. of Heat Transf. – Trans. of the ASME*: 126, 5, 727-734 (2004).
 463. Conforti P.F., Yingling Y.G., *Applied physics: Materials science & processing*, 79, 757 (2004).
 464. Lippert T., Dickinson J.T., *Chem. Rev.* 103 (2), 453-485 (2003).
 465. Cheng C and Xu X, *American Soc. Mech. Engin., Heat Transfer Division, HTD 374 (3)*, 361-368 (2003).
- B.I.92. Koleva M.E., Tomov R.I., Atanasov P.A.,** Ghelev Ch.G., Vankov O.I., Mihailov N.I., Lancok J., Jelinek M., *Appl. Surf. Sci.*, 186/1-4, 463-468 (2002).
 466. Yilbas B.S., Ali H., Rizwan M., Kassas M., *Optics & Laser Technology*, 82, 191-198 (2016).
 467. Li J.-K., Peng B., Wang Y.-C., Zhang W.-L., *Gongneng Cailiao/Journal of Functional Materials*, 45, 10, 138-142 (2014).
 468. Roy D., Anil Kumar P.S., *Journal of Applied Physics*, 115, 7, Article N 073906 (2014).
 469. Katiakunta S., Praveena K., Singh R., *Materials Science-Poland*, 31, 4, 581-586 (2013).
 470. Pasquet I., Presmanes L., Bonningue C., Tailhades Ph., *Appl. Surf. Sci.*, 283, 283-289 (2013).
 471. Roy D., Kumar P.S., "Control of magnetization reversal in oriented Strontium Ferrite thin films." *arXiv preprint arXiv:1308.0171* (2013).
 472. Stanciu G., "Micro- and nanostructured perovskite-type materials", *PhD thesis*, Universitatea Politehnica din BUCUREȘTI, 113 pgs. (2012).
 473. Oliva M.I., Soria F.A., Zandalazini C.I., Rinaldi C.A., Ferrero Y.J.C., *Anales AFA*, 19, 1850-1858 (2007).
- B.I.93. Atanasov P.A.,** Jiménez de Castro M., Perea A., Perrière J., Gonzalo J., Afonso C.N., *Appl. Surf. Sci.*: 186, 469-473 (2002).
 474. Urbanowicz P., „Wpływ sprzężenia spin-orbita na własności superparamagnetyczne wolframianów cynku, kobaltu i metali ziem rzadkich”, *PhD Thesis*, Instytut Fizyki i im. Augusta Chełkowskiego, Zakład Fizyki Kryształów, 114 pgs. (2012).
 475. Romanyuk Y., "Liquid-phase epitaxy of doped KY(WO₄)₂ layers for waveguide lasers", *PhD Thesis*, Lausanne, EPFL (2006).
 476. Okato T., *PhD Thesis*, Keio University, 214 pgs. (2006).
 477. Merchant C.A., Aitchison J.S., Garcia-Blanco S., Hnatovsky C., Taylor R.S., Agulló-Rueda F., Kellock A.J., Baglin J.E.E., *Appl. Phys. Lett.*, 89 (11), art. no. 111116 (2006).
 478. Atuchin V.V., Kesler V.G., Maklakova N.Yu., Pokrovsky L.D., Sheglov D.V., *European Phys. J. B* 51 (2), 293-300 (2006).
 479. Okato T. and Obara M.: *Appl. Phys. A* 80, 1595-1599 (2005).
- B.I.94. Jelinek M., Lancok J., Pavelka M., Atanasov P.A.,** Mackova A., Flory F., Escoubas L., *Appl. Phys.A: Mater. Sci. & Proces.*, A 74, 481-485 (2002).
 480. Mu J., Sefunc M.A., Xu B., Dijkstra M., Garcia-Blanco S.M., *Proc. SPIE OPTO*, 9750, 975012-975012 (2016).
 481. Ganser D., „Abscheidung von neodym:phosphatglas mittels pulsed laser deposition zur fertigung integrierter wellenleiterlaser", *PhD Thesis*, Rheinisch-Westfälischen Technischen Hochschule Aachen, 117 pgs. (2010).
 482. Baake O., Hoffmann P.S., Flege S., Ortner H.M., Gottschalk S., Berky W., Balogh A.G., Ensinger W., Beckhoff B., Kolbe M., Gerlach M., Pollakowski B., Weser J., Ulm G., Haschke M., Blokhina E., Peter M., Porta D., Heck M., *Anal. & Bioanalytical Chem.*, 393 (2) 623-634 (2009).
 483. Eason R.W., Barrington S.J., Grivas C., May-Smith T.C., Shepherd D.P., "Optical waveguide growth and applications", Ch. 17, 385-420, Wiley (2007).
 484. Eason R., "Pulsed laser deposition of thin films: applications-led growth of functional materials", John Wiley & Sons. (2007).
 485. Okato T. and Obara M., "Fabrication of waveguides by laser deposition" in *Laser Ablation and its Applications*, ed. C.R. Phipps, Springer, 299-314 (2006).
 486. Romanyuk Y., "Liquid-phase epitaxy of doped KY(WO₄)₂ layers for waveguide lasers", *PhD Thesis*, Lausanne, EPFL (2006).
 487. Okato T., *PhD Thesis*, Keio University, 214 pgs. (2006).
 488. May-Smith T.Ch., "Pulsed laser deposition of thick multilayer garnet crystal films for waveguide laser devices", *PhD Thesis*, SOTON, 213 pgs. (2005).
 489. Okato T. and Obara M.: *Appl. Phys. A* 80, 7, 1595-1599 (2005).
 490. Major A., Aitchison J.S., Smith P.W.E., Langford N., Ferguson A.I., *Opt. Lett.*: 30, 4, 421-423 (2005).
- B.I.95. Kuneva M.K., Tonchev S.H.,** Sendova-Vasileva M., Dimova-Malinovska D., **Atanasov P.A.,** *Sensors & Actuators A*, 99, 1-2, 154-159 (2002).
 491. Shevtsov D.I., Azanova I.S., Volyntsev A.B., *Ferroelectrics*, 341, 55-65 (2006).
- B.I.99. Dikovska A.Og., Atanasov P.A.,** Tomov R.I., Tonchev S.H., Sapundžiev D.Ts., *Vacuum*, 69, 1-3, 273-276 (2002).

492. Wang T.J., Hua F.X., Chang Y.H., Peng G.L., Chou M.H., Hung W.K., *Ceramics International*, 44, 2, 1916-1921 (2018).
493. Fard H.R., Becker N., Hess A., Pashayi K., Proslir T., Pellin M., Borca-Tasciuc T., *Appl. Phys. Lett.*, 103, 19, 193109 (2013).
494. Foong Y.M., Hsieh J., Li X., Chua D.H.C., *J. Vac. Sci. & Technology A: Vacuum, Surfaces and Films* 28 (3), 449-455 (2010).
495. Foong Y.M., Hsieh J., Li X., Chua D.H.C., *J. Appl. Phys.*, 106, 6, N 064904 (2009).
496. Choi J.-K., Jun B.-H., Kim, C.-J., *Physica C: Superconduct. & Appl.* 445-448 (1-2), 521-524 (2006).
497. Kang W. and Bernstein E.R., *Bull. Korean Chem. Soc.*, 26 (2), 345-348 (2005).
498. Bear S., "Crystalline, rare-earth-doped sesquioxide PLD-films on alpha-alumina", *PhD Thesis*, 152 pgs. (2004).
- B.I.100. Okato T., Atanasov P.A., Obara M., *Appl. Phys.A: Mater. Sci. & Proces.*, 77, 3-4, 395-398 (2003).**
499. Liu X, Qu S., Tan Y., Zhang C., Chen F., *Appl. Phys. B: Lasers and Optics*, 103 (1), 145-149 (2011).
500. Lancok J., Garapon C., Vorlicek V., Jelinek M. and Cernansky M., *Optical Materials*: 28, 4, 360-369 (2006).
- B.I.103. Obara M., Ozono K., Kanai M., Sekita H., Atanasov P.A., *Proc. SPIE*, 4977, 123-135 (2003).**
501. Huan Huang, Lih-Mei Yang, Jian Liu, *Opt. Eng.*, 53, (5), 051513 (2014).
502. Khader G.W., "Ultrashort laser ablation of cortical bone: literature review and experimental evaluation", *MSc Thesis*, McMaster Uni. (2013).
503. Emigh B.J., "Experimental evaluation of bone drilling using ultrashort pulsed laser ablation", McMaster Uni., *MSc Thesis*, 118 pgs. (2011).
504. Liu Y., Niemz M., *Lasers in Medical Science*: 22 (3), 171-174 (2007).
- B.I.105. Okato T., Atanasov P.A., Tomov R.I., Obara M., *Appl. Phys.A: Mater. Sci. & Proces.*: 77, 775-778 (2003).**
505. Zuo Z., Yang K., Li H., Qi N., *Zhongguo Xitu Xuebao/Journal of the Chinese Rare Earth Society*, 30 (1) 73-77 (2012).
506. Galceran M., Pujol M.C., Aguilo M., Daz F., *Journal of Sol-Gel Science and Technology*, 42 (1) 79-88 (2007).
- B.I.108. Nedialkov N.N., Atanasov P.A., Sawczak M., Slivinski G., *Proc. SPIE*, 5120, 703-708 (2003).**
507. Sposili R.S., Bovatek J., Patel R., *SPIE LASE*, International Society for Optics and Photonics, 100910X-100910X, (2017).
508. Gavrilović M.R., Lazić V., Jovičević S., *Journal of Analytical Atomic Spectrometry*, 32, 345-353 (2017).
509. Romoli L., Khan M.M.A., Valentini M., *Optics and Laser Technology*, 90, 1, 113-121 (2017).
510. Rihakova L., Chmelickova H., Híklava H., *20th Slovak-Czech-Polish Optical Conf. on Wave and Quantum Aspects of Contemporary Optics*, Intern. Soc. for Optics and Photon., 101421X-101421X (2016).
511. Rihakova L., Chmelickova H., *European International Journal of Science and Technology*, 4, 7, 41-49 (2015).
512. Rihakova L., Chmelickova H., *Advances in Materials Science and Engineering*, 2015, 584952, 6 ps (2015).
513. Breaban F., Coutouly J.F., Braud F., Deprez P., *Lasers in Engineering*, 30, 1-2, 1-13 (2015).
514. Chu, Hui-Hsin, "Study of microvias fabrication on AlN substrates by using a femtosecond laser", *Basic and Applied Physics*, 1-73 (2014).
515. Pawlak R., Rosowski A., Tomczyk M., Walczak M., *Tenth Symposium on Laser Technology, Proc. SPIE*, 8703, 0N-87030N (2013).
516. Satapathy B.B., Rana J., Maity K.P., *IOSR Journal of Engineering*, 2 (3), 382-388 (2012).
517. Vlasova M., Márquez Aguilar P.A., Reséndiz-González M.C., Kakazey M., González I., Stetsenko V., Tomila T., Ragulya A., *Optics & Laser Tech.*, 42, 1, 8-17 (2010).
518. Rihakova L., Chmelickova H., "Laser micromachining of glass, silicon and ceramics. A review", 1-17 (2008).
519. Fossa J.S., "Desenvolvimento de um sistema óptico para micropereforação de materiais cerâmicos, metálicos e poliméricos utilizando laser nanopulsado de Nd: YAG", *MS Thesis*, Universidade de São Paulo, (2007)
- B.I.112. Nedialkov N.N., Imamova S.E., Atanasov P.A., Heusel G., Breiting D., Ruf A., Hügel H., Dausinger F., Berger P., *Thin Solid Films*, 453/454, 496-500 (2004).**
520. Mihailescu I.N., Ristoscu C., "Thin Films and Nanoparticles by Pulsed Laser Deposition: Wetting, Adherence, and Nanostructuring", in *Pulsed Laser Ablation*, 261-292, Pan Stanford (2018).
521. Kuo J.K., Huang P.H., Chien S.K., Huang K.Y., Chen K.T., *MATEC Web of Conferences*, 167, 03011., EDP Sciences (2018).
522. Mihailescu I.N., Caricato A.P., "Femtosecond Laser Ablation of Solid Targets in Vacuum and Low-Pressure Gas Atmosphere" In *Pulsed Laser Ablation*, 171-208 Pan Stanford. (2018).
523. Nogueira A.F., "Texturizacao em superficies de titanio grao 2 irradiadas com laser de pulsos ultracurtos", *MS Thesis*, Universidade de São Paulo, 112 pgs. (2015).
524. Zhao X., "Ultrashort laser pulse-matter interaction: Fundamentals and early stage plasma dynamics", *PhD Thesis*, Purdue University, 167 pgs. (2014).
525. Menezes P.L., Lovell M.R., Avdeev I.V., Jeen-Shang Lin, Higgs III C.F., *The Inter. J. of Advanced Manufacturing Tech.*, 70, 1-4, 635-648 (2014).
526. Hsiang-Yu Yen, "Maximizing silicon removal rate for through-silicon-via by using ultrashort laser and experimental design approach", *PhD Thesis*, NCKUR, College of Engineering, Department of Mechanical Engineering, Tw., 119 pgs. (2014).
527. Shaheen M.E., Gagnon J.E., Fryer B.J., *Journal of Applied Physics*, 114, 8, 083110-083110 (2013).
528. Zhao X., Shin Y.C., *Appl. Surf. Sci.*, 283, 94-99 (2013).
529. Kumar A., Pollock T.M., *J. Appl. Phys.*, 110, 8, 083114, doi:10.1063/1.3653839 (2011).
530. Gong X.-F., Yang G.-X., Li P., Wang Y., Ning X.-J., *Intern. J. of Modern Physics B*, 25 (4), 543-550 (2011).
531. Du G., Chen F., Yang Q., Si J., Hou X., *Optics Commun.*, 284 (2), 640-645 (2011).
532. Stavropoulos P., Salonitis K., Chryssolouris G., *Advances in Manufacturing Technology, 6th Intern. Conf. on Manufacturing Research (ICMR08)*, Brunel Uni., UK, 655-664 (2008).
533. Noh J., Lee J., Shin D., Sohn H., Suh J., Oh J., *J. of the Opt. Soc. of Korea*, 13, 1, Sp. Iss. 75-79 (2009).
534. Xin-Lin Wang, Miss Crane, Chang Yan Xiao, ZHU Wei-hua, Chen Zhiyong, Lu Peixiang, *Optics*, 12, 38, 3052-3056 (2009).
535. Borrielli A., Torrisi L., Margarone D., Caridi F., Mezzasalma A.M., *Nuclear Instrum. & Methods in Phys. Res. B: Beam Inter. with Mater. & Atoms*, 266 (18), 3968-3974 (2008)
536. Vatsya S.R., Nikumb S.K., *Journal of Physics: Conference Series*: 59 (1), 149, 704-707 (2007).
537. Zheng H.Y., Deng Y.Z., Vatsya S.R., Nikumb S.K., *Appl. Surf. Sci.*: 253 (7), 3408-3412 (2007).
538. Xu Bing, Song Ren-guo, Dai Li-na, *Optoelectron. Technology*, 26, 2, 138-142 (2006).
539. Vatsya S.R., Li C., and Nikumb S.K., *J. Appl. Phys.*: 97, 3, 034912, 1-6 (2005).
- B.I.113. Atanasov P.A., Okato T., Tomov R.I., Obara M., *Thin Solid Film.*, 453/454, 150-153 (2004).**
540. Lee W., "The correlation between ferromagnetism and defect structure in doped CeO₂ nano-particles", *PhD Thesis*, Dept. of Mater. Sci. & Engin., Tw., 215 pgs. (2017).
541. Nan-hung Chen, "Effect of Sm doping on the redox behavior and defect structure of cerium oxide nanoparticles", *MS Thesis*, Dpt. of Mater. Sci. and Engin., China (2013).
542. Kang-Wei Fong, "Effect of annealing process on the defect structure of cerium oxide nanoparticles", *MS Thesis*, Dpt. of Mater. Sci. and Engin., China (2012).
543. Eaton S.M., Merchant C.A., Iyer R., Zilkie A.J., Helmy A.S., Aitchison J.S., Herman P.R., Kraemer D., Miller R.J.D., Hnatovsky C., Taylor R.S., *Appl. Phys. Lett.*, 92 (8), 081105 (2008).
544. Vatsya S.R., Nikumb S.K., *Journal of Physics: Conference Series*, 59, No. 1, 704 (2007).
545. Merchant C.A., Aitchison J.S., Garcia-Blanco S., Hnatovsky C., Taylor R.S., Agulló-Rueda F., Kellock A.J., Baglin J.E.E., *Appl. Phys. Lett.* 89 (11), art. no. 111116 (2006).
546. Atuchin V.V., Kesler V.G., Maklakova N.Yu., Pokrovsky L.D., Sheglov D.V., *European Phys. J. B* 51 (2), 293-300 (2006).
- B.I.114. Nedialkov N.N., Imamova S.E., Atanasov P.A., *J. Phys. D: Appl. Phys.*, 37, 4, 638-643 (2004).**
547. Gaudioso R., Ewusi-Annan E., Melikechi N., Sun X., Liu B., Campesato L.F., Merghoub T., *Spectrochimica Acta Part B: Atomic Spectroscopy*, 146, 106-114. (2018).
548. Rajab F.H., Whitehead D., Liu Z., Li L., *Applied Physics B*, 123(12), 282. (2017).
549. Kanitz A., Hoppius J.S., Fiebrandt M., Awakowicz P., Esen C., Ostendorf A., Gurevich E.L., *Applied Physics A*, 123(11), 674 (2017).
550. Gontad F., Cesaria M., Klini A., Manousaki A., Perrone A., Caricato A.P., *Applied Surface Science*, 419, 603-613 (2017).
551. Russell A.M., Kafka K.R.P., Schumacher D.W., Chowdhury E.A., *arXiv preprint arXiv:1704.07482*, 1-5 (2017).
552. Schille J., Schneider L., Hartwig L., Loeschner U., *MATADOR Conference*, Paper No: 3943 - 38th, 1-9 (2017).
553. Kanitz A., Hoppius J.S., Ostendorf A., Gurevich E.L., *Proc. SPIE*, 10092, 100921D (2017).
554. Kanitz A., Hoppius J.S., Sanz M.D.M., Maicas M., Ostendorf A., Gurevich E.L., *ChemPhysChem*, 18, 1155-1164 (2017).
555. Pallav K., Malhotra R., Saxena I., Ehmman K., Cao J., *U.S. Patent No. 9,455,127*, Washington DC: *U.S. Patent* (2016).
556. Hashida M., Miyasaka Y., Nishii T., Shimizu M., Inoue S., Sakabe S., *Electronics and Communications in Japan*, 99(10), 88-95 (2016).
557. Kanitz A., Hoppius J.S., Gurevich E.L., Ostendorf A., *Physics Procedia*, 83, 114-122 (2016).
558. Marinier S., "Ablation laser femtoseconde de verres métalliques de Cu_xZr_(1-x): une étude par dynamique moléculaire", *PhD Thesis*, Université de Montréal (2016).
559. Marinier S., Lewis L.J., *Physical Review B*, 92(18), 184108 (2015).
560. Hashida M., Miyasaka Y., Nishii T., Shimizu M., Inoue S., Sakabe S., *IEEE Transactions on Fundamentals and Materials*, 135,10, 575-580 (2015).
561. Harilal S.S., Diwakar P.K., Polek M.P., Phillips M.C., *Optics Express*, 23(12), 15608-15615 (2015).
562. Zhao X., "Ultrashort laser pulse-matter interaction: Fundamentals and early stage plasma dynamics", *PhD Thesis*, Purdue University, 167 pgs. (2014).

563. Ryser M., Pilz S., Burn A., Romano V., *arXiv preprint arXiv:1412.3741*, 4 (2014).
564. Michalowski A., *Untersuchungen zur Mikrobearbeitung von Stahl mit ultrakurzen Laserpulsen*, 76, 165 pgs., Herbert Utz Verlag (2014).
565. Ivanov K.A., Shulyapov S.A., Ksenofontov P.A., Tsybalov I.N., Volkov R.V., Savel'ev A.B., Brantov A.V., Bychenkov V.Yu., Turinge A.A., Lapik A.M., Rusakov A.V., Djilkibaev R.M., Nedorezov V.G., *Physics of Plasma*, 21, 9, 093110 (2014).
566. Palav K., Saxena I., Ehmman K.F., *Micro Nano-Manuf.*, 2(3), 031001 (2014).
567. Shaheen M.E., Gagnon J.E., Fryer B.J., *Laser Physics*, 24(10), 106102 (2014).
568. Rung S., Christiansen A., Hellmann R., *Appl. Surf. Sci.*, 305, 347-351 (2014).
569. Lee Choo Yong, "Nonlinear optical interaction in photonic structures", *PhD Thesis*, Faculty of Sci., University of Malaya, Kuala Lumpur, 156 pgs. (2013).
570. Sozzi M., Tragni K., Selli S., Cucinotta A., Lutey A.H.A., Molari P.G., Carnignato S., ASME 2013 Intern. Manuf. Sci. & Engin. Conf. Collocated with the 41st North American Manufacturing Research Conference, *MSEC 2013*, 1, Article number MSEC2013-1189 (2013).
571. Bian Qiumei, "Femtosecond laser micromachining of advanced materials", *PhD Thesis*, Dpt. of Industrial & Manuf. Syst. Engin., Kansas State Uni. (2013).
572. Bohling M., Jahns J., Mohr J., Börner M., *Proc. Mikrosystemtechnik 2013*, 1-4 (2013).
573. Wong TsZ Chun, "Single-shot measurements of complex pulses using frequency-resolved optical gating", *PhD Thesis*, Georgia Inst. of Tech., 152 pgs. (2013).
574. Melaibari A., Molian P., *Advanced Materials Research*, 804, 17-22 (2013).
575. Wong T.Ch., Trebino R., *JOSA B*, 30, 11, 2781-2786 (2013).
576. Zhao Xin, Shin Y.C., *Appl. Surf. Sci.*, 283, 94-99 (2013).
577. Ling T.D., Liu P., Xiong S., Grzina D., Cao J., Wang Q.J., Xia Z.C., Talwar R., *Tribology Letters*, 52 (1), 113-122 (2013).
578. Cheng J., Liu C.-S., Shang S., Liu D., Perrie W., Dearden G., Watkins K., *Optics and Laser Technology*, 46 (1), 88-102 (2013).
579. Dold C.O., "Picosecond laser processing of diamond cutting edges", *PhD dissertation*, No. 21598, ETH Zurich (2013).
580. Lewis L.J., Perez D., "Computer models of laser ablation in liquids", in *"Laser ablation in liquids: principles and applications in the preparation of nanomaterials"*, ed. Yang G., 111-155 (2012).
581. Ryser M., Neff M., Pilz S., Burn A., Romano V., *Proc. SPIE*, 8237, N: 82373I (2012).
582. Fang R., Wei H., "Thermophysical effects of femtosecond laser ablation of metal target", in *Laser Ablation: Effects and Applications*, Editor: Sharon E. Black, Nova, 163-189 (2011).
583. Gill-Comeau M., "Étude par dynamique moléculaire de l'ablation par impulsions laser ultrabrèves de cibles nanocristallines", *MSc Thesis*, 231 pgs., Université de Montréal (2011).
584. Gill-Comeau M., Lewis L.J., *Phys. Rev. B*, 84, 22, 224110, 16 pgs. (2011).
585. Koç M., Özel T., Wu B., Özel T., *Ch. 6. Micro-Laser Processing in "Micro-Manufacturing: Design and Manufacturing of Micro-Products"*, Wiley, 159-195 (2011).
586. Döring S., Richter S., Nolte S., Tünnermann A., *Proc. of SPIE*, 7925, art. no. 792517 (2011).
587. Sharma A.K., Smedley J., Tsang T., Rao T., *Rev. Sci. Instrum.*, 82, 3, 033113, (2011).
588. Jaeggi B., Neuenschwander B., Schmid M., Muralt M., Zuercher J., Hunziker U., *Physics Procedia*, 12, 2, 164-171(2011).
589. Gao X., Song X.-W., Lin J.-Q., *Chinese Physics B*, 20 (2), art. no. 024210 (2011).
590. McDonald J.P., Thouless M.D., Yaliso S.M., *J. Mater. Res.*, 25, 6, 1087-1095 (2010).
591. Lewis L.J., Perez D., "Theory and Simulation of Laser Ablation – from Basic Mechanisms to Applications", in *"Laser Precision Microfabrication"*, Springer Series in Materials Science, 135, 35-61 (2010).
592. Besner S., Meunier M., "Laser Synthesis of Nanomaterials" in *"Laser Precision Microfabrication"*, Springer Series in Materials Science, 135, 163-187 (2010).
593. Döring S., Richter S., Nolte S., Tünnermann A., *Optics Express*, 18, 19, 20395-20400 (2010).
594. Hu W.Q., Shin Y.C., King G., *Phys. Rev. B*, 82, 9, 094111 (2010).
595. Wang S., Wang Y., Ding X., Liang W., Deng Z., Chu L., Fu G., *Qiangguang Yu Lizishu/High Power Laser and Particle Beams* 22 (8), 1843-1846 (2010).
596. McDonald J.P., Thouless M.D., Yaliso S.M., *J. Mater. Res.*, 25, 6, 1087-1095 (2010).
597. Hu W., Shin Y.C., King G., *Appl. Phys. A: Mater. Sci. & Process.*, 98 (2), 407-415 (2010).
598. Schille J., Ebert R., Exner H., Loeschner U., Schneider L., Walther N., Sculli P., Goddard N., *Proc. 5th Int'l WLT Conf. Lasers Manuf.*, 549-554 (2009).
599. Cheng J., Perrie W., Edwardson S.P., Fearon E., Dearden G., Watkins K.G., *Appl. Surf. Sci.*, 256, 5, 1514-1520 (2009).
600. Wu B., Shin Y.C., *Proc. of the ASME Intern. Manufacturing Sci. & Engin. Conf. 2009, MSEC2009 1*, 853-859 (2009).
601. Bechtold P., Roth S., Schmidt M., *ICALEO 2009 - 28th Intern. Congress on Appl. of Lasers and Electro-Optics, Congress Proc.*, 102, 1124-1133 (2009).
602. Fossa J.S., Andreetta M.R.B., Hernandez A.C., *Laser Physics*, 19, 10, 2045-2049 (2009).
603. Hu D.Z., *Acta Phys. Sinica*, 58 (2), 1077-1082 (2009).
604. Iija Mingareev, "Ultrafast dynamics of melting and ablation at large laser intensities", *PhD thesis*, RWTH Aachen Uni., (2009).
605. Wu B., Shin Y.C., *Appl. Surf. Sci.* 255 (9) 4996-5002 (2009).
606. Horn A., *"Ultra-fast Material Metrology"*, Wiley-VCH ISBN 978-3-527-40887-0 (2009).
607. Breiting D., "Gasphaseneinflüsse beim Abtragen und Bohren mit ultrakurz gepulster Laserstrahlung", *PhD Thesis*, Stuttgart Uni., pp. 197 (2009).
608. Fang R.R., Zhang D.M., Wei H., Li Z.H., Yang F.X., Tan X.Y., *Chinese Phys. Lett.*, 25, 10, 3716-3719 (2008).
609. Mingareev I., Horn A., *Appl. Phys. A: Mater. Sci. and Process.*, 92 (4), 917-920 (2008).
610. Lin Z., Johnson R.A., Zhigilei L.V., *Phys. Rev. B - Condensed Matter and Materials Physics* 77 (21), art. no. 214108 (2008).
611. McDonald J.P., Ma S., Pollock T.M., Yaliso S.M., Nees J.A., *J. Appl. Phys.*, 103 (9), art. no. 093111 (2008).
612. Fossa J.S., "Desenvolvimento de um sistema óptico para microperfuração de materiais cerâmicos, metálicos e poliméricos utilizando laser nanopulsado de Nd:YAG", *MS Thesis*, Interunidades em Ciência e Engenharia de Materiais, Brazil (2007).
613. Amoroso S., Bruzzese R., Pagano C., Wang X., *Appl. Phys. A: Mater. Sci. and Process.*: 89 (4), 1017-1024 (2007).
614. Upadhyay A.K. and Urbassek H.M.: *J. of Phys. D: Appl. Phys.* 40, (11), 3518-3526 (2007).
615. Gu X. and Urbassek H.M., *Appl. Surf. Sci.*, 253 (9) 4142-4149 (2007).
616. Wu B. and Shin Y.C., *Appl. Surf. Sci.*, 253 (8), 4079-4084 (2007).
617. McDonald J.P., "Near Threshold Femtosecond Laser Interactions with Materials: Ablation Thresholds, Morphologies, and Dynamics", *PhD Thesis*, The Uni. of Michigan, 231 pgs. (2007).
618. Gu X. and Urbassek H.M., *J. Phys D: Appl. Phys.*, 39 (21), N 018, 4621-4627 (2006).
619. Horn A., Mingareev I., Miyamoto I., *JLMN-Journal of Laser Micro/Nanoengineering*, 1, 3, 264-268 (2006).
620. Let Qiyi, Xue Fu St., Xu Long jiang, Zhang Deyong, *Acoustics/Chinese*, 25, 3, 204-208 (2006).
621. Amoroso S., Ausanio G., Bruzzese R., Gragnaniello L., Lanotte L., Vitiello M., Wang X., *Appl. Surf. Sci.* 252 (13 SPEC. ISS.), 4863-4870 (2006)
622. Mingareev I., Horn A., Kreutz E.W., *Proc. SPIE*, 6261 I, art. no. 62610A (2006).
623. Lorazo P., Lewis L.J., Meunier M., *Phys. Rev. B*, 73, 13, 134108, 1-22 (2006).
624. Cheng C. and Xu X., *Phys. Rev B*: 72, (16) 1-15 (2005).
625. Upadhyay A.K., Urbassek H.M.: *J. of Phys. D: Appl. Phys.* 38, 16, 2933-2941, (2005).
626. Le Harzic R., Breiting D., Sommer S., Föhl C., Valette S., König K., Dausinger F., Audouard E., *Proc. SPIE*, 5713, 115-122 (2005).
627. Borowiec A., Tiedje H.F., and Haugen H.K.: *Appl. Surf. Sci.*, 243, 1-4, 129-137 (2005).
628. Xu X.F., Cheng C.R., and Chowdhury I.H., *J. of Heat Transf. – Tran. of the ASME*: 126, 5, 727-734 (2004).
629. Bolotin V.P., Cherkassky V.S., Igumenov I.K., Kayran D.A., "Status of the Novosibirsk free electron laser and first experiments with high power terahertz radiation", *Budker INP 2004-57*, 1-22 (2004).
630. Bolotin V.P., Cherkassky V.S., Igumenov I.K., Kayran D.A., Knyazev B.A., Kolobanov E.I., Kotenkov V.V., Kubarev V.V. et all, *8th Int. Conf. on Submillim. Sci. & Tech.*, Oct. 13-15, Phys. Res. Lab., Ahmedabad, India, 1-8 (2004).
- B.I.115. Nedialkov N.N., Atanasov P.A., Imamova S.E., Ruf A., Berger P., Dausinger F., *Appl. Phys. A*, 79 (4-6), 1121-1125, (2004).**
631. Kramer T., Remund S., Jäggi B., Schmid M., Neuenschwander B., *Advanced Optical Technologies*, 7(3), 129-144 (2018).
632. Shih C.Y., Wu C., Wu H., Shugaev M.V., Zhigilei L.V., "Atomistic simulations of the generation of nanoparticles in short-pulse laser ablation of metals: Effect of background gas and liquid environments", *Pan Stanford Publishing Pte. Ltd.*, ch. 12, 421-466 (2018).
633. Bilbao-Guillerna A., Axinte D.A., Billingham J., Cadot G.B.J., *Royal Society Open Science*, 4(7), 161031 (2017).
634. Wu C., Zhigilei L.V., *Applied Physics A*, 114, 1, 11-32 (2014).
635. Wu C., Karim E.T., Volkov A.N., Zhigilei L.V., *Lasers in Materials Science*, Springer Series in Materials Science, 191, 67-100 (2014).
636. Zhao X., "Ultrashort laser pulse-matter interaction: Fundamentals and early stage plasma dynamics", *PhD Thesis*, Purdue University, 167 pgs. (2014).
637. Karim E.T., Wu C., Zhigilei L.V., "Molecular dynamics simulations of laser-materials interactions: General and material-specific mechanisms of material removal and generation of crystal defects", *Chapter of Book*, Springer, 27-49 (2014).
638. Milovanović D.S., "Interaction of ps and ns laser pulsed radiation on Ti₆Al₄V alloy surface", *PhD Thesis*, Uni. u Beogradu, 139 pgs. (2013).
639. Stavropoulos P., Efthymiou K., Chryssolouris G., *Procedia CIRP*, 3, 471-476 (2012).
640. Ryser M., Neff M., Pilz S., Burn A., Romano V., *Proc. SPIE*, 8237, N: 82373I, DOI: 10.1117/12.908045 (2012).
641. Lewis L.J., Perez D., "Principles and Applications in the Preparation of Nanomaterials" in *"Computer Models in Laser Ablation in Liquids"*, 111-156 (2012).
642. Gill-Comeau M., "Étude par dynamique moléculaire de l'ablation par impulsions laser ultrabrèves de cibles nanocristallines", *MSc Thesis*, 231 pgs., Université de

- Montréal (2011).
643. Gill-Comeau M, Lewis L.J., *Phys. Rev. B*, 84, 22, 224110, 16 pgs. (2011).
644. Zhigilei L.V., Lin Z., Ivanov D.S., Leveugle E., Duff W., Thomas D., Sevilla C., Guy S.J., "Atomic/molecular-level simulation of laser-materials interactions", in *Laser-Surface Interactions for New-Materials Production*, eds. Mitello A., Ossi P.M., Springer, 130, 43-79 (2010).
645. Stasic J., Gakovic B., Krmpot A., Pavlovic V., Trtica M., Jelenkovic B., *Laser and Particle Beams*, 27, 4, 699-707 (2009).
646. Stasic J., Trtica M., Gakovic B., Petrovic S., Batani D., Desai T., Panjan P., *Appl. Surf. Sci.* 255 (8), 4474-4478 (2009).
647. Stasic J., Trtica M., Gakovic B., Batani D., Desai T., Brankovic G., *Appl. Surf. Sci.* 255 (19), 8221-8225 (2009).
648. Trtica M.S., Radak B.B., Gakovic B.M., Milovanovic D.S., Batani D., Desai T., *Laser and Part. Beams*, 27 (1) 85-90 (2009).
649. Cebollada A., Martin J.M.G., Clavero C., Balcells L., Estradé S., Arbiol J., Peiró F., Smith C., Clarke R., Martínez L., Hüttel Y., Román E., Telling N.D., Van Der Laan G., *Phys. Rev. B*, 79, 1, 014414 (2009).
650. Stasic J., Trtica M., Gakovic B., Petrovic S., Batani D., Desai T., Panjan P., *Appl. Surf. Sci.* 255, 8, 4474-4478 (2009).
651. Zhigilei L.V., Lin Z., Ivanov D.S., Leveugle E., Duff W.H., Thomas D., Sevilla C., Guy S.J., Chapter for *Proc. of the 1st International School on Laser-Surface Interactions for New Materials Production: Tailoring Structure and Properties*, July 13–20, Venice, Italy (2008)
652. Stavropoulos P., Chryssolouris G., *International J. of Nanomanufacturing*, 1, 6, 736 - 750 (2007).
653. McDonald J.P., "Near Threshold Femtosecond Laser Interactions with Materials: Ablation Thresholds, Morphologies, and Dynamics", *PhD Thesis*, The Uni. of Michigan, pgs. 231 (2007).
654. Ni Xiaochang, Wang Chingyue, Liang Jianguo, *Acta Photonica Sinica*, 35, 1, 1-4 (2006).
655. Hegazy M.S., Elsayed-Ali H.E., *J. Appl. Phys.*, 99, 5, 054308 (2006).
656. Sharma A.K. and Thareja R.K.: *J. Appl. Phys.*, 98, 3, 033304, 1-5 (2005).
657. Amoroso S. and Vitiello M.: *Proc. SPIE*, 5830, 11-20 (2005).
- B.I.116.** Dikovska A.Og., Okato T., **Atanasov P.A.**, Obara M., *J. Phys. D: Appl. Phys.*, 37, 21, L41–L44 (2004).
658. Fukushima S., Furukawa T., Nioka H., Ichimiya M., Miyake J., Ashida M., Araki T., Hashimoto, M., *Micron*, 67, 90-95 (2014).
659. Liu S.J., Song F., Cai H., Li T., Tian B., Wu Zh., Tian Jg., *J. of Phys. D: Appl. Phys.*, 41, 3, 035104 (2008).
660. Mongstad T.T., "Fremstilling og karakterisering av oppkonverteringsfilmer for bruk i solceller", *Project report NTNU*, 48 pgs. (2007).
- B.I.117.** Okato T., Osada T., Obara M., **Atanasov P.A.**, Tomov R.I., *Proc. SPIE*, 5448 part 1, 616-623 (2004).
661. Zaldo C., Han X., *M. R. S. Symposium Proceedings*, 1247, 1-6 (2010).
- B.I.118.** Imamova S.E., **Atanasov P.A.**, Nedialkov N.N., *Nucl. Instr. Meth. Phys. Res. B*, 227, 4, 490-498 (2005).
662. Prasanthi T.N., Sudha C., Saroja S., *Transactions of the Indian Institute of Metals*, 1-5 (2018).
663. Kuo J.K., Huang P.H., Chien S.K., Huang K.Y., Chen K.T., *MATEC Web of Conferences*, 167, 03011, EDP Sciences (2018).
664. Markopoulos A.P., Manolakos D.E., *Proc. of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, 231(3), 415-426 (2017).
665. Karkalos E.N., Markopoulos P.A., *Current Nanoscience*, 13(1), 3-20 (2017).
666. Ahuir Torres J.I., "Texturización superficial de aleaciones metálicas mediante láser", *PhD Thesis*, Universidad Autónoma de Madrid, 201 pgs. (2016).
667. Markopoulos A.P., Manolakos D.E., *Proc. of the Institution of Mech. Engin., Part B: J. of Engin. Manufacture*, 18, 0954405415596190 (2015).
668. Vo Van Hoang, Nguyen Truong Long, Do Ngoc Son, *Computational Materials Science*, 95, 491-501 (2014).
669. Yao W.J., Wang J.Y., Lee J.S., *Advanced Materials Research*, 690 693, 1840-1845 (2013).
670. Tang H., Bai M., Dou Y., Ran Q., Lo G.V., *Nucl. Instr. Meth. in Phys. Res. B*, 301, 36-40 (2013).
671. Yi-Cheng Zheng, "Molecular Dynamic Simulation of Al Clusters Deposition on Cu Substrate", 1-64 (2012).
672. Yao W.J., Li J.S., Wang J.Y., Wang N., *Journal of Alloys and Compounds*, 543, 5, 176-180 (2012).
673. Stavropoulos P., Efthymiou K., Chryssolouris G., *Procedia CIRP*, 3, 471–476 (2012).
674. Ma Y., Garofalini S.H., *J. Am. Chem. Soc.*, 134 (19), 8205-8211 (2012).
675. Duy T.P., Van Hoang V., *Physica B: Condensed Matter*, 407 (6), 978-984 (2012).
676. Koç M., Özel T., Wu B., Özel T., *Ch. 6. Micro-Laser Processing in "Micro-Manufacturing: Design and Manufacturing of Micro-Products"*, Wiley, 159-195 (2011).
677. Becquart C.S., Domain C., *Metallurgical and Materials Transactions A*, 42 (4), 852-870 (2011).
678. IL-Young Chung, "Femtosecond Laser Ablation Characteristics for Industrial Application and Estimation of Processing Quality", *PhD Thesis*, INHA UNIVERSITY, Korea, 130 pgs. (2010).
679. Hu W.Q., Shin Y.C., King G., *Phys. Rev. B*, 82, 9, 094111 (2010).
680. Wu B., Shin Y.C., *Proc. of the ASME Intern. Manufacturing Sci. and Engin. Conf. 2009, MSEC2009 1*, 853-859 (2009).
681. Cheng J., Perrie W., Wu B., Tao S., Edwardson S.P., Dearden G., Watkins K.G., *Appl. Surf. Sci.*, 255, 18, 8171-8175 (2009).
682. Van Hoang V., Cuong N.H., *Physica B: Condensed Matter* 404 (2) 340-346 (2009).
683. Wu B., Shin Y.C., *Appl. Surf. Sci.*, 255 (9), 4996-5002 (2009).
684. Wu Y.S., "Numerical modeling and analysis of laser-matter interactions in laser-based manufacturing and materials processing with short and ultrashort lasers", *PhD Thesis*, Graduate School, Purdue University, 211 pgs. (2009).
685. Stavropoulos P., Salonitis K., Chryssolouris G., *The 6th Intern. Conf. on Manufacturing Research (ICMR08)*, Brunel University, UK, 655-664 (2008).
686. Stavropoulos P., Chryssolouris G., *Intern. J. of Nanomanufacturing*, 1, 6, 736-750 (2007).
687. Upadhyay A.K., Urbassek H.M., *J. of Physics D: Applied Physics* 40 (11), art. no. 039, 3518-3526 (2007).
688. Gu X. and Umbassek H.M., *Appl. Surf. Sci.*, 253 (9), 4142-4149 (2007).
689. Wu B. and Shin Y.C., *Appl. Surf. Sci.*, 253 (8), 4079-4084 (2007).
690. Gu X. and Umbassek H.M., *J. Phys. D: Appl. Phys.*, 39 (21), art. N 018, 4621-4627 (2006).
- B.I.119.** Nedialkov N.N., Imamova S.E., **Atanasov P.A.**, Berger P., Dausinger F., *Appl. Surf. Sci.*, 247, 243-248 (2005).
691. Dou H.Q., Yao C.Z., Liu H., Wan Y., Ding R.J., Yuan X.D., Xu S.Z., *Applied Surface Science*, 247, 388–392 (2018).
692. Dasallas L.L., Garcia W.O., *Materials Research Express*, 5, 1, 016518 (2018).
693. Xu S., Ding R., Yao C., Liu H., Wan Y., Wang J., Ye Y., Yuan X., *Applied Physics A*, 124(4), 310 (2018).
694. Markopoulos A.P., Manolakos D.E., *Proc. of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, 231(3), 415-426 (2017).
695. Salatić B.M., "Laser modification of aluminum-titanium and nickel-titanium thin layers", *PhD Thesis*, 149 pgs., University of Belgrade, Faculty of Physics (2017).
696. Karkalos N.E., Markopoulos P.A., *Current Nanoscience*, 13(1), 3-20 (2017).
697. Meng X., Zhou J., Huang S., Su C., Sheng J., *Materials*, 10(1), 73 (2017).
698. Wang Q., Luo S., Chen Z., Qi H., Deng J., Hu Z., *Optics & Laser Technology*, 80, 116-124 (2016).
699. Markopoulos A.P., Koralli P., Kyriakakis G., Kompitsas M., Manolakos D. E., "1National Technical University of Athens (NTUA), Athens, Greece; 2Theoretical and Physical Chemistry Institute (TPCI), Athens, Greece.", 6, 117-153 (2016).
700. Marinier S., "Ablation laser femtoseconde de verres métalliques de Cu_xZr_(1-x): une étude par dynamique moléculaire", *PhD Thesis*, Université de Montréal (2016).
701. Marinier S., Lewis L.J., *Physical Review B*, 92(18), 184108 (2015).
702. Meng X., Zhou J., Huang S., Sheng J., Su C., Yang X., *Zhongguo Jiguang/Chinese Journal of Lasers*, 42, 7, 0702003, 13-19 (2015).
703. Markopoulos A.P., Manolakos D.E., *Proc. of the Instit. of Mechanical Engin., Part B: J. of Engin. Manufacture*, 0954405415596190 (2015).
704. Kumar R., Sedwick R.J., *Journal of Spacecraft and Rockets*, 52, 4, 1129-1134 (2015).
705. Peter J., Doloi B., Bhattacharyya B., *Lasers Based Manufacturing*, 283-316 (2015).
706. Zhao X., "Ultrashort laser pulse-matter interaction: Fundamentals and early stage plasma dynamics", *PhD Thesis*, Purdue University, 167 pgs. (2014).
707. Ghorbani Z., Parvin P., Reyhani A., Mortazavi S.Z., Moosakhani A., Maleki M., Kiani S., *J. Phys. Chem. C*, 118 (51), 29822–29835 (2014).
708. Nath A.K., Laser Drilling of Metallic and Nonmetallic Substrates, *Comprehensive Materials Processing*, 9, 115-175 (2014).
709. Menezes P.L., Lovell M.R., Avdeev I.V., Jeen-Shang Lin, Higgs III C.F., *The Intern. J. of Adv. Manufacturing Tech.*, 1-14 (2014).
710. Lutey A.H.A., "High-speed laser processing of thin single and multi-layer films", *PhD Thesis*, Università di Bologna, pgs. 159 (2013).
711. Zhao X., Shin Y.C., *Appl. Surf. Sci.*, 283, 94-99 (2013).
712. Nath A.K., "High power lasers in material processing applications: An overview of recent developments", in *"Laser-Assisted Fabrication of Materials"*, Springer Series in Materials Science, 161, 69-111 (2013).
713. Stavropoulos P., Efthymiou K., Chryssolouris G., *Procedia CIRP*, 3, 471–476 (2012)
714. Xu B., Song R.G., Wang C., He W.Zh., *Advanced Materials Research*, 538-541, 1888-1891(2012).
715. Xu B., Song R.G., Wang C., *Advanced Materials Research*, 415-417, 747-750 (2012).
716. Savolainen J.M., Christensen M.S., Balling P., *Phys. Rev. B*, 84, 19, 193410, 4 pages (2011).
717. Gill-Comeau M., "Étude par dynamique moléculaire de l'ablation par impulsions laser ultrabrèves de cibles nanocristallines", *MSc Thesis*, 231 pgs., Université de Montréal (2011).
718. Koç M., Özel T., Wu B., Özel T., *Ch. 6. Micro-Laser Processing in "Micro-Manufacturing: Design and Manufacturing of Micro-Products"*, Wiley, 159-195 (2011).
719. Latif A., Khaleeq-Ur-Rahman M., Rafique M.S., Bhatti K.A., *Physica B: Condensed Matter*, 406 (9), 1713-1716 (2011).

720. Latif A., Khaleeq-Ur-Rahman M., Bhatti K.A., Rafique M.S., Rizvi Z.H., *Physica B: Condensed Matter*, 405 (20), 4250-4255 (2010).
721. Hu W.Q., Shin Y.C., King G., *Phys. Rev. B*, 82, 9, 094111 (2010).
722. Hu W.Q., Shin Y.C., King G.B., *J. of Manufacturing Science & Engin. – Transactions of the ASME*, 132, 1, N 011009 (2010).
723. Hayden C.J., *J. of Micromechanics & Microengin.*, 20 (2), art. no. 025010 (2010).
724. Wang X.-L., Wu H., Chang Y.-X., Zhu W.-H., Chen Z.-Y., Lu P.-X., *Guangzi Xuebao/Acta Photonica Sinica*, 38 (12), 3052-3056 (2009).
725. Menendez-Manjon A., Jakobi J., Schwabe K., Krauss J.K., Barcikowski S., *J. of Laser Micro Nanoengineering*, 4, 2, 95-99 (2009).
726. Cheng J., Perrie W., Wu B., Tao S., Edwardson S.P., Dearden G., Watkins K.G., *Appl. Surf. Sci.*, 255, 18, 8171-8175 (2009).
727. Hu W.Q., Shin Y.C., King G.B., *MSEC 2008: Proc. of the ASME Intern. Manufacturing Sci. and Engin. Conf.* 2008, 2, 321-328 (2009).
728. Wu B., Shin Y.C., *Proc. of the ASME Intern. Manufacturing Sci. and Engin. Conf.* 2009, MSEC2009, 1, 853-859 (2009).
729. Hu D.Z., *Acta Phys. Sinica*, 58 (2), 1077-1082 (2009).
730. Wu B., Shin Y.C., *Appl. Surf. Sci.* 255 (9), 4996-5002 (2009).
731. Stavropoulos P., Salonitis K., Chryssolouris G., *The 6th Intern. Conf. on Manufacturing Research (ICMR08)*, Brunel University, UK, 655-664 (2008).
732. Xu B., Song R.G., Tang P.H., Wang J., Chai G.Z., Zhang Y.Z., Ye Z.Z., *Surf. Engin. (ICSE 2007, Key Engin. Mater.)*, 373-374, 346-349 (2008).
733. Xu B., Song R.G., Tang P.H., Wang J., Chai G.Z., Zhang Y.Z., Ye Z.Z., *Key Engineering Materials*, 373-374, 346-349 (2008).
734. Stavropoulos P., Chryssolouris G., *Intern. J. of Nanomanufacturing*, 1, 6, 736-750 (2007).
735. McDonald J.P., "Near Threshold Femtosecond Laser Interactions with Materials: Ablation Thresholds, Morphologies, and Dynamics", *PhD Thesis*, The Uni. of Michigan, 231 pgs. (2007).
736. Wu B. and Shin Y.C., *Appl. Surf. Sci.*, 253 (8), 4079-4084 (2007).
737. Chemnitz R., "Intercalation von Stickstoff und Wasserstoff in Sr₂N sowie ortsabhängige Feststoffcharakterisierung mit Laserablation", *DSc Thesis*, Technischen Universität Dresden, 139 pgs., N 80, (2006).
738. Xu Bing, Song Renguo, Dai Lina, Deng Lei, *Chin. Photonics Technology*, 2, 5, 138-142 (2006).
739. Graguaniello L., "Studio del processo di ablazione laser con impulse ultracorti", *MS Thesis*, Università degli studi di Napoli "Federico II", N 12, 100 (2005).
- B.I.120. Stankova N.E., Atanasov P.A., Stanimirova T.J., Dikovska A.Og., Eason R.W., Appl. Surf. Sci., 247, 1-4, 401-405 (2005).**
740. Kumar C.A., Pamu D., *Ferroelectrics*, 518(1), 171-177 (2017).
741. Godbole R., Godbole V.P., Bhagwat S., *Materials Science in Semiconductor Processing*, 63, 212-219 (2017).
742. Prameela C., Anjaiah M., KrishnaMurthy K., Srinivasarao K., *Phys. & Chemistry of Glasses-European J. of Glass Sci. & Technology B*, 57(3), 139-145 (2016).
743. Kekkonen V., Chaudhuri S., Clarke F., Kaisto J., Liimatainen J., Pandian S.K., Piirto J., Siltanen M., Zolotukhin A., *Appl. Physics A*, 122(3), 233, 1-7 (2016).
744. Kumar C.A., Kumar T.S., Pamu D., *AIP Advances*, 5(10), 107232 (2015).
745. Li W., "A study of improvement on the charge/discharge rate of lithium ion battery focusing on electron conduction of tungsten trioxide electrodes", *PhD Thesis*, Tokyo Institute of Technology, 117 pgs. (2015).
746. Prameela C., Srinivasarao K., *International Journal of Applied Engineering Research*, 10 (4), 9865-9875 (2015).
747. Li W., Sasaki A., Oozu H., Aoki K., Kakushima K., Kataoka Y., Nishiyama A., Sugii N., Wakabayashi H., Tsutsui K., Natori K., Iwai H., *Microelectronics Reliability*, 55, 402-416 (2015).
748. Liew S.L., Wang W., Dolmanan S.B., Goh G.T.W., Chi D., *Materials Chemistry and Physics*, 143, 3, 1171-1177 (2014).
749. Myli K.B., Krisko A.J., German J.R., Hartig K., "Low-maintenance coating technology", *U.S. Patent*, 8,696,879 (2014).
750. Vemuri V.R.S.R.K., "Structure and electronic properties of pure and nitrogen doped nanocrystalline tungsten oxide thin films", *PhD Thesis*, 149 pgs., The University of Texas at El Paso (2013).
751. Hagizawa T., Honma T., Kuroki Y., Okamoto T., Takata M., *Ceramics International*, 39 (3), 2851-2855 (2013).
752. Myli K.B., Krisko A.J., Brownlee J.E., Pfaff G.L., "Low-maintenance coatings, and methods for producing low-maintenance coatings", *US Patent*, 8,506,768 (2013).
753. Krisko A.J., Myli K.B., Pfaff G.L., Brownlee J.E., "Low-maintenance coatings", *US Patent*, USRE 044,155 (2013).
754. Myli K.B., Krisko A.J., Brownlee J.E., Pfaff G.L., *US Patent*, US 08,506,767 (2013).
755. Krisko A.J., Myli K.B., Pfaff G. L., Brownlee J.E., "Low-maintenance coatings", *US Patent* RE 43,817 (2012).
756. Usta M., Kahraman S., Bayansal F., Çetinkara H.A., *Superlattices and Microstructures*, 52 (2), 326-335 (2012).
757. Wang C.-K., Sahu D.R., Sheng-Chang Wang, Chung-Kwei Lin, Jow-Lay Huang, *Phys. D: Appl. Phys.*, 45, 22, 225303 (2012).
758. Burrows J., Krisko A.J., Myli K.B., *US Patent*, "Photocatalytic coatings having improved low-maintenance properties", 7,862,910 (2011).
759. Hagizawa T., Honma T., Kuroki Y., Okamoto T., Takata M., *IOP Conf. Ser.: Mater. Sci. Eng.*, 18, art. no. 092009 (2011)
760. Hagizawa T., Kuroki Y., Okamoto T., Takata M., *Key Engineering Materials*, 421-422, 364-367 (2011).
761. Hagizawa T., Kuroki Y., Okamoto T., Takata M., *IOP Conf. Ser.: Mater. Sci. Eng.*, 21, 1, art. no. 012019 (2011).
762. German J., Hartig K., Krisko A.J., Myli K., *US Patent*, "Low-maintenance coating technology", 7,820,296, (2010).
763. Brownlee J.E., Krisko A.J., Myli K.B., Pfaff G.L., *US Patent*, "Low-maintenance coatings, and methods for producing low-maintenance coatings", 7,820,309, (2010).
764. Vemuri R.S., Bharathi K.K., Gullapalli S.K., Ramana C.V., *ACS Appl. Mater. & Interfaces*, 2, 9, 2623-2628 (2010).
765. Valova E., Georgieva J., Armyanov S., Sotiropoulos S., Hubin A., Baer K., Raes M., *ECS Transactions* 25 (27), 13-24 (2010).
766. Valova E., Georgieva J., Armyanov S., Sotiropoulos S., Hubin A., Baert K., Raes M., *J. Electrochem. Soc.*, 157 (5), D309-D315 (2010).
767. Hagizawa T., Honma T., Kuroki Y., Okamoto T., Takata M., *Key Engin. Mater.*, 421-422, 364-367 (2010).
768. Remskar M., Virsek M., Kocmur M., Adolf J., *EU Patent*, WO 2,008,105,745 (A2) (2009).
769. Remskar M., Virsek M., Kocmur M., Jesih A., "Procedure for the synthesis of threadlike tungsten oxide W₅O₁₄", *EU Patent EP 211,4827* (2009).
770. Ranjbar M., Zad Al., Mahdavi S.M., *J. Phys D-Appl. Phys.*, 41, 5, 055405 (2008).
771. Yamamoto S., Inouye A., Yoshikawa M., *Nuclear Instrum. & Methods in Phys. Res. B*: 266, (5), 802-806 (2008).
772. Sivakumar R., Sanjeeviraja C., Jayachandran M., Gopalakrishnan R., Sarangi S.N., Paramanik D., Som T., *J. of Phys. Condensed Matter*, 19 (18) art. no. 186204 (2007).
773. Chintalapalle R.V., Utsunomiya S., Julien C.M., Becker U., *ECS Transactions* 1 (15), 37-42 (2006).
774. Ramana C.V., Utsunomiya S., Ewing R.C., Julien C.M., Becker U., *J. Phys. Chem. B*, 110 (21): 10430-10435 (2006).
- B.I.121. Nedialkov N.N., Imamova S.E., Atanasov P.A., Berger P., Dausinger F., Proc. SPIE, 5777, 846-849 (2005).**
775. Yilbas B.S., Shuja S.Z., *Lasers in Engineering*, 20, (3-4), 129-142 (2010).
- B.I.122. Nedialkov N.N., Atanasov P.A., Sawczak M., Śliwiński G., Proc. SPIE, 5777, 850-854 (2005).**
776. Gavrilović M.R., Lazić V., Jovičević S., *Journal of Analytical Atomic Spectrometry*, in press (2017).
777. Satapathy B.B., Rana J., Maity K.P., Biswal S., *Intern. J. of Scientific & Engineering Research*, 4, 5, 36-39 (2013).
778. Satapathy B.B., Rana J., Maity K.P., *IOSR Journal of Engineering*, 2 (3), 382-388 (2012).
- B.I.124. Stankova N.E., Atanasov P.A., Dikovska A.O., Dimitrov I.G., Socol G., Mihailescu I., Proc. of SPIE, 5830, 60-64 (2005).**
779. Cancea V.N., Ion V., Filipescu M., Dinescu M., *Physics AUC*, 23, 18-27 (2013).
780. Sima C., Grigoriu C., *Thin Solid Films*, 518 (4), 1314-1317 (2009).
781. Sima C., Grigoriu C., Viespe C., Pasuk I., Matei E., *J. of Optoelectron. & Adv. Mater.*, 11, 6, 826-830 (2009).
782. Hong-Ying Lin, "Improving the optoelectronic property and photoactivity of nanostructured TO2: effect of particle size, oxygen vacancy, and nitrogen doping", *PhD Thesis*, University of Delaware (2008).
783. Long H., Yang G., Chen A.-P., Li Y.-H., Lu P.-X., *Wuji Cailiao Xuebao/Journal of Inorganic Materials*: 23 (5), 1070-1074 (2008).
784. Lin H., Rumaiz A.K., Schulz M., Wang D., Rock R., Huang C.P., Shah S.I., *Mater. Sci. & Engin. B: Solid-State Materials for Advanced Tech.*: 151 (2), 133-139 (2008).
- B.I.126. Dikovska A.Og., Atanasov P.A., Tomov R.I., Dimitrov I.G., Proc. SPIE, 5830, 75-79 (2005).**
785. Chen H., Zhou X.-Y., Yan Z., *J. of Shanghai Uni. of Engin. Sci.*, 24, 2, 167-172 (2010).
- B.I.127. Nedialkov N.N., Atanasov P.A., Breiting D., Heusel G., Dausinger F., Proc. SPIE, 5830, art. no. 12, 80-84 (2005).**
786. Zhao X., "Ultrashort laser pulse-matter interaction: Fundamentals and early stage plasma dynamics", *PhD Thesis*, Purdue University, 167 pgs. (2014).
787. Zhao X., Shin Y.C., *Appl. Surf. Sci.*, 283, 94-99 (2013).
788. Cheng J., Liu C.-S., Shang S., Liu D., Perrie W., Dearden G., Watkins K., *Optics and Laser Technology*, 46 (1), 88-102 (2013).
789. Cheng J., Perrie W., Edwardson S.P., Fearon E., Dearden G., Watkins K.G., *Appl. Surf. Sci.*, 256, 5, 1514-1520 (2009).
- B.I.128. Kuneva M.K., Tonchev S.H., Atanasov P.A., Mater. Sci. and Engin. B, 118, 1, 301-305 (2005).**
790. Wang X.Z., Liu Z.-X., Gao H.J., Jing Y., Lin Li C.L., Liu J., *Applied Mechanics & Materials*, 423, 426-429 (2013).
791. Liu X., *Optik - International Journal for Light and Electron Optics*, 124 (18), 3646-3648 (2013).
792. Yuan W., Wang B., Ma D., Wang R., *Optik - International Journal for Light and Electron Optics*, 122, 1, 81-83 (2011).
793. Wu S.Y., Lu G.-D., Zhang Z.-H., Wei L.-H., Hu Y.-X., *J. Alloys & Compounds*, 472, 1-2, 1-5 (2009).
794. Ma D., Wang B., Fang S.Q., Zhang T., Wang R., Wei Y.A., *Microwave & Optical Tech. Lett.*, 48 (11), 2227-2230 (2006).

- B.I.129.** Stanimirova T.J., Atanasov P.A., Dimitrov I.G., Dikovska A.Og., *J. Optoelectronics & Advanced Mater.*, 7, 3, 1335-1340 (2005).
795. Mariammar R.N., Rajamanickam N., Renganathan B., Sastikumar D., Ramachandran K., *Journal of Applied Physics*, 122(12), 124504 (2017).
796. Zhao X., Shi W., Mu H., Xie H., Liu F., *Journal of Alloys and Compounds*, 659, 60-65 (2016).
797. Al-Baradi A.M., *Journal of Modern Physics*, 6(13), 1803 (2015).
798. Muhsien M.A., Salim E.T., Al-Douri Y., Sale A.F., Agool I.R., *Applied Physics A*, 120, 725-730 (2015).
799. Hassan M.A.M., Salem E.T., Mohammed N.J., Agool I.R., *International Journal of Nanoscience and Nanoengineering*, 1, 2, 22-23 (2014).
800. Tyagi P., Sharma A., Tomar M., Gupta V., *Procedia Engineering*, 87, 1075-1078. (2014).
801. Chauhan R.S., Kumar V., Jain A., Pratar D., Agarwal D.C., Chaudhary R.J., Tripathi A., *Advanced Materials Letters*, 5(11), 666-670 (2014).
802. Tyagi P., Sharma A., Tomar M., Gupta V., *Conference Papers in Science*, 2014, N: 812627, 1-4 (2014).
803. Ungureanu A.M., Oprea O., Vasile B.S., Andronescu C., Voicu G., Jitaru I., *Central European Journal of Chemistry*, 12 (9), 909-917 (2014).
804. Hassan M.A.M., Hateef A.A., Majeed A.M.A., Al-Jabiry A.J.M., Jameel S., Hussian H.A.R.A., *Applied Nanoscience*, 4, 8, 927-934 (2013).
805. Rahal Achour, "Elaboration des verres conducteurs par déposition de ZnO sur des verres ordinaires, Faculté des Sciences et technologie", *MS Thesis*, Dép. de Phys., Université d'EL OUED, Algerie, , 110 pgs. (2013).
806. Dukštienė N., Sinkevičiūtė D., *J Solid State Electrochem.*, 17, 4, 1175-1184 (2013).
807. Kumar V., Jain A., Pratap D., Agarwal D.C., Sulania I., Siva Kumar V.V., Tripathi A., Varma S., Chauhan R.S., *Advanced Mater. Lett.*, 4, 6, 428-432 (2013)
808. Sharma A., Tomar M., Gupta, V., *Sensors and Actuators, B: Chemical*, 181, 735-742 (2013).
809. Sharma A., Tomar M., Gupta, V., *Sensors and Actuators, B: Chemical*, 176, 875-883 (2013).
810. Kumar V., Jain A., Pratap D., Agarwal D.C., Tripathi A., Chauhan R.S., *Radiation Effects and Defects in Solids*, 168 (7-8), 490-497 (2013).
811. Sanchez P., Zamarrero C.R., Hernaez M., Del Villar I., Matias I.R., Arregui F.J., *Proc. SPIE*, 8421, 84216B (2012).
812. Zhong Zhiyou, Zhang Teng, Wang Hao, *J. of South-Central Uni. for Nationalities*, 31 (3), 66-67 (2012).
813. Chinnappa L., Ravichandran K., Periathambi T., Muruganantham G., Sriram S., Sakthivel B., *J. of Applied Sciences*, 12, 16, 1651-1655 (2012).
814. El-Raheem M.M.A., Rasheedy M.S., Ahmed H.E., Abd El-Aal M.S., Al-Ofi H.H., Mohamed E.E., *Adv. Appl. Sci. Res.*, 3 (1) 227-234 (2012).
815. Tran Thi Thanh Van, "Vitrocéramiques Nano-structures SiO₂-SnO₂ sous forme de monolithes et de guides d'ondes planaires élaborés par voie sol-gel: caractérisation structurale et activation par des ions de terres rares", *PhD Thesis*, Uni. Lille, pp. 155 (2012).
816. Melissa C. Schillo, "Mesoporous Inorganic Membranes for Water Purification", *PhD Thesis*, Ohio State University, 200 pgs. (2011).
817. Sharma A., Tomar M., Gupta, V., *Sensors and Actuators, B: Chemical* 156 (2), 743-752 (2011).
818. Saipriya S., Sultan M., Singh R., *Physica B: Condensed Matter* 406 (4), 812-817 (2011).
819. Mesarosh L.V., Chuchman M.P., Kacher I.E., *Uzhhorod University Scientific Herald. Series Physics*, 28, 129-134 (2010).
820. Sharma A., Prakah D., Verma K.D., *J. Optoelectronics & Advanced Mater.:* 1 (12), 683-688 (2007).
821. Viespe C, Grigoriu C, Popescu M., *J. Optoelectronics & Advanced Mater.:* 9 (11), 3563-3566 (2007).
- B.I.130.** Dikovska A.Og., Atanasov P.A., Vasilev C., Dimitrov I.G., Stoyanov T.R., *J. Optoelectron. & Adv. Mater.*, 7, 3, 1329-1334 (2005).
822. Gemechu N., Abebe T., *Ukrainian Journal of Physics*, 63(2), 182-182 (2018).
823. Srivastava T., Rini E.G., Joshi A., Shirage P., Sen S., *Nanoscience and Nanotechnology*, 17(2), 1356-1359 (2017).
824. Debelo N.G., Dejene F.G., Roro K., *International Journal of Thermophysics*, 37(7), 69, 1-11 (2016).
825. Williams B.L., Ponomarev M.V., Verheijen M.A., Knoops H., Chandramohan A., Duval L., van de Sanden M., Creatore M., *Plasma Proc. & Polymers*, 13(1), 54-69 (2016).
826. Singh S.K., Sharma H., Singhal R., Kumar V.S., Avasthi D.K., *DAE Solid State Physics Symp. 2015*, 1731, No. 1, 080063 (2016).
827. Jamasali Y.D.J., Alguno A.C., *IOP Conference Series: Materials Science and Engineering*, 79, 1, 012016 (2015).
828. Larbah Y., Adnane M., Sahraoui T., *Materials Science-Poland*, 33(3), 491-496 (2015).
829. Al-Dabag S.Y., Ahmed S.S., Taher W.J., *Eng. & Tech. Journal*, 33, Part (B), 5, 838-847 (2015).
830. Khodja S., Touam T., Chelouche A., Boudjouan F., Djouadi D., Hadjoub Z., Fischer A., Boudrioua A., *Superlattices and Microstructures*, 75, 485-495 (2014).
831. Zendeenam A., Mirzaee M., Miri S., *Bulletin of Materials Science*, 37, (2), 179-183 (2014).
832. Bhadane H., Samuel E., Dinesh Kumar Gautam, *Surf. Rev. Lett.*, 21, 4, 1450016 (2014).
833. Kumar R., Kumar G., Umar A., *J. of Nanoscience and Nanotechnology*, 14 (2), 1911-1930 (2014).
834. Cauda V., Gazia R., Porro S., Stassi S., Canavese G., Roppolo I., Chiolerio A., "Nanostructured ZnO Materials: Synthesis, Properties and Applications. In *Handbook of Nanomaterials Properties*, 137-177, Springer, Heidelberg (2014).
835. Charles J., Lawrence N., Thiruvankadam S., *Physics Procedia*, 49, 92-99 (2013).
836. Rashidi N., Kuznetsov V., Dilworth J.R., Pepper M., Dobson P., Edwards P.P., *J. Mater. Chem. C*, 1, 42, 6960-6969 (2013).
837. Nagayamy N., Gandhimathination S., Veerasamy V., *Open Journal of Metal*, 3, 8-11 (2013).
838. Vasiliev V.A., Chernov P.S., *Journal of Surface Investigation*, 7 (3), 565-571 (2013).
839. Xiao S.S., Zhao L., Liu Y.H., Lian J.S., *Appl. Surf. Sci.*, 283, 781-787 (2013).
840. Marwoto P., *Unnes Physics Journal*, 2(1) (2013).
841. Mirzaee M., Zendeenam A., Miri S., *Scientia Iranica*, 20, 3, 1071-1075 (2013).
842. Vasiliev V.A., Chernov P.S., *Measurement Techniques*, 55 (12), 1350-1355 (2013).
843. Gupta M., Chowdhury F.R., Barlage D., Tsui Y.Y., *Applied Physics A*, 110, no. 4, 793-798 (2013).
844. Cevher O., Cetinkaya T., Tocolgu U., Guler M.O., Akbulut H., *Acta Physica Polonica A*, 123, No. 2, 355-357 (2013).
845. Zendeenam A., Mirzaee M., Miri S., *Arak Uni., Iran*, 1-22 (2012).
846. Ma A.M., Gupta M., Chowdhury F.R., Shen M., Bothe K., Shankar K., Tsui Y., Barlage D.W., *Solid-State Electronics*, 76, 104-108 (2012).
847. Er A.O., Farha A.H., Giumiush C., Giunery E., Ufuktepe Y., *Optoelectronics & Advanced Mater.*, 5, 12, 1286-1291 (2011).
848. Adawiya J.Haidar, Nadir F.Habubi, Ali A.Yousif, *Eng. & Tech. Journal*, 28, No.14, 4677-4686 (2010).
849. Nicolescu M., Anastasescu M., Preda S., Calderon-Moreno J.M., Stroescu H., Gartner M., Teodorescu V.S., Maraloiu A.V., Kampilafka V., Aperathitis E., Modreanu M., *J. Optoelectronics & Advanced Mater.*, 12 (6), 1343-1349 (2010).
850. Sposito A., "Progettazione e realizzazione di un dispositivo elettro-ottico in ossido di zinco", *MS thesis*, Università degli Studi di Palermo, pgs. 102, (2009)
851. Zhang J., Shao L.X., *J. Optoelectronics & Advanced Materials*, 1, 11, 625-628 (2007).
852. Lorinczi A., Sava F., Tomescu A., Simion C., Socol G., Mihailescu I.N., Popescu M.: *J. Opto. & Adv. Mater.:* 9 (11) 3489-3492 (2007).
853. Viespe C, Grigoriu C, Popescu M, Sava F., Lorinczi A., Velea A., Zamfira S.: *J. Opto. & Adv. Mater.:* 9 (11): 3563-3566 (2007).
854. Prepelita P, Baban C, Iacomì F, *J. Optoelectron. & Adv. Mater.:* 9 (7): 2166-2169 (2007).
855. Caglar M., Caglar Y., Ilican S., *J. Optoelectronics & Advanced Materials* 8 (4), 1410-1413 (2006).
- B.I.131.** Nedialkov N.N., Sawczak M., Jadraque M., Atanasov P.A., Martin M., Sliwinski G., *Proc. SPIE*, 5958, 361-367 (2005).
856. Satapathy B.B., Rana J., Maity K.P., Biswal S., *Intern. J. of Scientific & Engineering Research*, 4, 5, 36-39 (2013).
857. Satapathy B.B., Rana J., Maity K.P., *IOSR Journal of Engineering*, 2 (3), 382-388 (2012).
858. Ji Lingfei, Yan Yinzhou, Bao Yong, Chen Xiaochuan, Jiang Yijian, *Chin. J. of Lasers*, 38, 6, 89-94 (2011).
- B.I.132.** Amoroso S., Bruzzese R., Vitiello M., Nedialkov N.N., Atanasov P.A., *J. Appl. Phys.*, 98 (4) 044907, 1-7 (2005).
859. Dou H.Q., Yao C.Z., Liu H., Wan Y., Ding R.J., Yuan X.D., Xu S.Z., *Applied Surface Science*, 447, 388-392 (2018).
860. Mihailescu I.N., Caricato A.P., "Femtosecond Laser Ablation of Solid Targets in Vacuum and Low-Pressure Gas Atmosphere" in *Pulsed Laser Ablation*, Pan Stanford, 171-208, (2018).
861. Dasallas L.L., Garcia W.O., *Materials Research Express*, 5, 1, 016518 (2018).
862. Miloshevsky A., Phillips M.C., Harilal S.S., Dressman P., Miloshevsky G., *Physical Review Materials*, 1(6), 063602 (2017).
863. Díaz-Núñez P., González-Izquierdo J., González-Rubio G., Guerrero-Martínez A., Rivera A., Perlado J.M., Peña-Rodríguez O., *Applied Sciences*, 7(8), 793 (2017).
864. Banerjee S.P., Sarnet T., Siozos P., Loulakis M., Anglos D., Sentis M., *Applied Surface Science*, 418, 542-547 (2017).
865. Gontad F., Cesaria M., Kliri A., Manousaki A., Perrone A., Caricato A.P., *Applied Surface Science*, 419, 603-613 (2017).
866. Hamad A.H., Khashan K.S., Hadi A.A., Laser Ablation in Different Environments and Generation of Nanoparticles. In *Applications of Laser Ablation-Thin Film Deposition. Nanomaterial Synthesis and Surface Modification*, *InTech*, Ch. 8, 177-196 (2016).
867. Rebollar E., Martínez-Tong D.E., Sanz M., Oujja M., Marco J.F., Ezquerro T.A., Castillejo M., *Applied Surface Science*, 387, 1188-1194 (2016).
868. Roth J., Trebin H-R., Kiselev A., Rapp D-M., *Appl. Phys. A*, 122 (5), 1-13 (2016).
869. Caricato A.P., Luches A., Martino M., "Laser fabrication of nanoparticles", *Handbook of Nanoparticles*, 407-428 (2016).
870. De Bonis A., Galasso A., Santagata A., Teghil R., *Journal of Physics D: Applied Physics*, 49(3), 035301 (2015).
871. Jorgensen D.J., Titus M.S., Pollock T.M., *Appl. Surf. Sci.*, 353, 700-707 (2015).
872. Xie J., Wang F., Zhao L., *Frontiers in Manufacturing Engineering*, 3(1), 31-34 (2015).
873. Abdellaoui N., Pilonnet A., Berndt J., Boulmer-Leborgne C., Kovacevic E., Moine B., Penuelas J., Pereira A., *Nanotechnology*, 26, 11, 115604 (2015).
874. Diwakar P.K., Harilal S.S., Hassanein A., Phillips M.C., *Journal of Applied Physics*, 116(13), 133301 (2014).
875. Peña-Rodríguez O., González-Izquierdo J., Rivera A., Balabanian G., Olivares J., Perlado J.M., Bañares L., *Optical Materials Express*, 4(9), 1943-1952 (2014).

876. Povarnitsyn M., Fokin V., Voloshko A., Delfour L., Itina T.E., "Numerical analysis of ultrashort laser ablation: application for fabrication of nanoparticles and nanostructures", *AIP Conf. Proc.*, 8 pgs. (2014).
877. Itina T.E., "Plume dynamics and nanoparticle formation in ultra-short laser ablation of metals", *arXiv preprint arXiv:1405.3439* (2014).
878. Starikov S.V., Faenov A.Ya., Pikuz T.A., Skobelev I.Yu., Fortov V.E., Tamotsu S., Ishino M., Tanaka M., Hasegawa N., Nishikino M., Kaihori T., Imazono T., Kando M., Kawachi T., *Appl. Phys. B*, 116(4), 1005-1016 (2014).
879. Itina T.E., Povarnitsyn M.E., Voloshko A., *Proc SPIE*, 8969-4, 1-10 (2014).
880. Mazhukin V.I., Demin M.M., Shapranov A.V., *Applied Surface Science*, 302, 6-10 (2014).
881. Povarnitsyn M.E., Itina T.E., *Applied Physics A*, 117, 1, 175-178 (2014).
882. Chakravarty U., Naik P.A., Chakera J.A., Upadhyay A., Gupta, P.D., *Applied Physics A*, 115(4), 1457-1467 (2014).
883. Harilal S.S., Farid N., Hassanein A., Kozhevnikov V.M., *J. of Appl. Phys.*, 114, 20, 203302 (2013).
884. Chong Li, Jingchao Zhang, Xinwei Wang, *Applied Physics A*, 112, 3, 677-687 (2013).
885. Liu B., Wang W., Jiang G., Mei X., Wang K., Wang J., *J. of Nanomaterials*, 2013, 301301 (2013).
886. Tan D., Zhou S., Qiu J., Khuro N., *J. of Photochem. & Photobiology C: Photochemistry Rev.*, 17, 50-68 (2013).
887. Lin D., Yang Y., Cheng G.J., *Appl. Surf. Sci.*, 283, 924-929 (2013).
888. Chakravarty U., Rao B.S., Arora V., Upadhyay A., Singhal H., Naik P.A., Chakera J.A., Mukherjee C., Gupta P.D., *Appl. Phys. Lett.*, 103 054107 (2013).
889. Vorobyev A.Y., Guo C., *Laser and Photonics Reviews*, 7, 3, 385-407 (2013).
890. Deneuille F., Chimier B., Descamps D., Dorchie F., Hulin S., Petit S., Peyrusse O., Santos J.J., Fourment C., *Appl. Phys. Lett.*, 102, 19, 194104-194104 (2013).
891. Bashir S., Shahid Rafique M., Husinsky W., *Radiation Effects and Defects in Solids*, 168, 11-12, 902-911 (2013).
892. Vorobyev A. Y., Guo C., *Appl. Phys. Lett.*, 102, no. 7, 074107-074107 (2013)
893. Perrone A., Cultrera L., Lorusso A., Maiolo B., Strafella F., *J. of Appl. Phys.*, 113 (2), 026102 - 026102-3 (2013).
894. Li Ch., Zhang J., X. Wang, *Applied Physics A*, 1-11 (2013).
895. Chen A., Sui L., Shi Y., Jiang Y., Yang D., Liu H., Jin M., Ding D., *Thin Solid Films*, 529, 209-216 (2013).
896. Inogamov N.A., Zhakhovskiy V.V., Petrov Y.V., Khokhlov V.A., Ashitkov S.I., Migdal K.P., Ilitsky D.K., Emirov Y.N., Khishchenko K.V., Komarov P.S., Shepelev V.V., Agranat M.B., Anisimov S.I., Oleynik I.I., Fortov V.E., *Proc. SPIE*, 9065, Article number 906502 (2013).
897. Li Y., Sun P.P., Wu A.Q., *Applied Mechanics and Materials*, 229-231, 109-112 (2012).
898. Kundrapu M.N., "Modeling and Simulation of Ablation-Controlled Plasmas", *PhD thesis*, The Faculty of The School of Engineering and Applied Science of The George Washington University (2012).
899. Li X., Jiang L., *Applied Physics A: Materials Science & Processing*, 109, 2, 367-376 (2012).
900. Gottfried J.L., *Applied Optics*, 51, 7, B13-B21 (2012).
901. Itina T.E., Povarnitsyn M.E., Khishchenko K.V., "Modeling of laser ablation induced by nanosecond and femtosecond laser pulses", in *Laser Ablation: Effects and Applications*, Editor: Sharon E. Black, Nova, 99-125 (2011).
902. Gill-Comeau M., "Étude par dynamique moléculaire de l'ablation par impulsions laser ultrabrèves de cibles nanocristallines", *MSc Thesis*, 231 pgs., Université de Montréal (2011).
903. Gill-Comeau M., Lewis L.J., *Phys. Rev. B*, 84, 22, 224110, 16pgs. (2011).
904. Savolainen J.M., Christensen M.S., Bailing P., *Phys. Rev. B* 84 (19), 193410, 4 pages (2011).
905. Wu Z., Zhu X., Zhang N., *J. Appl. Phys.*, 109 (5), art. no. 053113 (2011).
906. Nakano H., "Ultrafast X-Ray Absorption Spectroscopy Using Femtosecond Laser-Driven X-Rays", *Lectures on Ultrafast Intense Laser Science 1, Springer Series in Chemical Physics*, 94, 203-222 (2011).
907. Ristoscu C., Mihailescu I.N., "Effect of Pulse Laser Duration and Shape on PLD Thin Films Morphology and Structure" in *Lasers – Applications in Science and Industry*, Ch. 3, 53-74 (2011).
908. Boulmer-Leborne C., Benzerga R., Perrière J., "NP formation by fs laser ablation", in *Laser-Surface Interactions for New-Materials Production*, eds. Miotello A., Ossi P.M., Springer, 130, 125-140 (2010).
909. Nakano H., Oguri K., Okano Y., Nishikawa T., *Appl. Phys. A: Mater. Sci. & Proces.*, 101, 3, Special Issue, 523-531 (2010).
910. Gottfried J.L., "Laser-generated Nanoenergetic Materials", *ADA516848*, Investigation of Chemical Processes 1-27 (2010).
911. Demaske B.J., Zhakhovskiy V.V., Inogamov N.A., Oleynik I.I., *Phys. Rev. B* 82, 064113, 5 pages (2010).
912. Chakravarty U., Naik P.A., Mukherjee C., Kumbhare S.R., Gupta P.D., *J. Appl. Phys.*, 108, 053107; 5 pages (2010).
913. Guillemin M., "Étude du panache d'ablation laser femtoseconde, controle et optimisation des procedes", *DSc Thesis*, Uni. Jean Monnet de Saint-Etienne (2009).
914. Chakravarty U., Naik P.A., Kumbhare S.R., Gupta P.D., *J. of the Optical Soc. of Korea* 13 (1), 80-85 (2009).
915. Axente E., Noël S., Hermann J., Sentis M., Mihailescu I.N., *Appl. Surf. Sci.*, 255 (24), 9734-9737 (2009).
916. Grossman E., Shpilman Z., Gouzman I., Eliezer S., Louzon E., *Phys. Status Solidi (A) Appl. & Mater.* 206 (7), 1541-1548 (2009).
917. Kundrapu M., Keidar M., *J. Appl. Phys.*, 105 (8), art. no. 083302 (2009).
918. Oguri K., Okano Y., Nishikawa T., Nakano H., *Phys. Rev. B*, 79, 14, 144106 (2009).
919. Guillemin M., Liebig C., Garrelie F., Stoian R., Loir A.S., Audouard E., *Appl. Surf. Sci.*, 255 (10) 5163-5166 (2009).
920. Sanz M., Walczak M., de Nalda R., Oujja M., Marco J.F., Rodriguez J., Izquierdo J.G., Banares L., Castillejo M., *Appl. Surf. Sci.*, 255 (10) 5206-5210 (2009).
921. Itina T.E., *Appl. Surf. Sci.*, 255 (10), 5107-5111 (2009).
922. Eliezer Sh., "Nanoparticles Induced by Femtosecond Lasers", ch. 8, 274-301 (2009).
923. Qingju H., Wang H., Huang Y., Lin J., *Intern. Symp. on Photoelectronic Detection and Imaging, Intern. Soc. for Optics & Photonics*, 73824S-73824S (2009).
924. Cerchez M., Jung R., Osterholz J., Toncian T., Willi O., Mulser P., Ruhl H., *Phys. Rev. Lett.*, 100, 24, 245001 (2008).
925. Sage R.S., Cappel U.B., Ashfold M.N.R., Walker N.R., *J. Appl. Phys.*, 103, 9, N.: 093301 (2008).
926. Axente E., Noël S., Hermann J., Sentis M., Mihailescu I.N., *J. Phys. D:Appl. Phys.*, 41, 10, N: 105216 (2008).
927. Itina T., "Études numeriques des mecanismes d'interaction d'un laser impulsional avec des materiaux: application a la synthese de nano agregats", *PhD diss.*, Université de la Méditerranée-Aix-Marseille II, 55 pgs. (2008).
928. Itina T.E., *Chemical Physics Letters*: 452 (1-3), 129-132 (2008).
929. Gallerie F., "Ablation laser femtoseconde pour le dépôt de couches minces", *Dissertation*, L'Université Jean Monnet, Saint Etienne, 147 (2008).
930. Shan F., Porter R., Cheng N., Masiel D.J., Guo T., *J. of Physical Chemistry C*: 111 (12), 4643-4647 (2007).
931. Vitoux P., "Élaboration de nanocomposites "nanoparticules métalliques/polymère" en milieux fluides supercritiques", Université Sciences et Technologies – Bordeaux, *DSc Thesis* (2008).
932. Perrière J., Boulmer-Leborgne C., Benzerga R., Tricot S., *J. of Phys. D: Appl. Phys.* 40 (22), 7069-7076 (2007).
933. Oguri K., Okano Y., Nishikawa T., Nakano H., *Phys. Rev. Lett.*: 99 (16), art. no. 165003 (2007).
934. Povarnitsyn M.E., Itina T.E., Sentis M., Khishchenko K.V., Levashov P.R., *Phys. Rev. B - Condensed Mat. & Mater. Phys.*, 75 (23), art. no. 235414 (2007).
935. McDonald J.P., "Near Threshold Femtosecond Laser Interactions with Materials: Ablation Thresholds, Morphologies, and Dynamics", *PhD Thesis*, The Uni. of Michigan, pgs. 231 (2007).
936. Yang L., Wang C., Ni X., Wu Y., Jia W., Chai L., *Chinese Opt. Lett.*, 5 (5), 308-310 (2007).
937. Odell G.W., "Metal Oxide Nanoparticles: Optical Properties and Interaction with Chemical Warfare Agent Simulants", *PhD Thesis*, Fac. of Virginia, Politechnic Uni. (2006).
938. Schou J., Lunney J.G., *Springer Series in Optical Sciences*, 129, 67-95 (2006).
939. Kudryashov S.I., Lyon K., Allen S.D., *Proc. SPIE*, 6261 II, art. no. 62612U (2006).
940. Garrelie F., Donnet C., Loir A.S., Benchikh N., *Proc. SPIE*, 6261 I, art. no. 62610L (2006).
941. Okano Y., Oguri K., Nishikawa T., Nakano H., *Appl. Phys. Lett.*, 89, 22, 221502 (2006).
942. Kudryashov S.I., Lyon K., Shukla S., Murry D., Allen S.D., *J. Appl. Phys.*, 100 (5), Art. No. 056103 (2006).
943. Kudryashov S.I., Lyon K., Allen S.D., *Phys. Rev.E* 73 (5), Art. No. 055301 Part 2 (2006).
- B.I.133. Nedialkov N.N., Atanasov P.A., *Appl. Surf. Sci.*, 252, 4411-4415 (2006).**
944. Konovalenko I.S., Psakhie S.G., *AIP Conference Proceedings*, 1909, No. 1, 020093 (2017).
945. Markopoulos A.P., Manolakos D.E., *Proc. of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, 231(3), 415-426 (2017).
946. Markopoulos A.P., Koralli P., Kyriakakis G., Kompitsas M., Manolakos D.E., 1National Technical University of Athens (NTUA), Athens, Greece; 2Theoretical and Physical Chemistry Institute (TPCI), Athens, Greece, 6, 117-153 (2016).
947. Wang Q., Chen A., Li S., Qi H., Qi Y., Hu Z., Jin M., *Applied Optics*, 54(27), 8235-8240 (2015).
948. Markopoulos A.P., Koralli P., Kyriakakis G., Kompitsas M., Manolakos D.E., "Molecular dynamics simulation of material removal with the use of laser beam", *Materials Forming and Machining: Research and Development*, 6, 117-139 (2015).
949. Hrubciak R., Sinogeikin S., Rod E., Shen G., *Review of Scientific Instruments*, 86(7), 072202 (2015).
950. Hsiang-Yu Yen, "Maximizing silicon removal rate for through-silicon-via by using ultrashort laser and experimental design approach", *PhD Thesis*, NCKUR, College of Engineering, Department of Mechanical Engineering, Tw., 119 pgs. (2014).
951. Sun M., Eppelt U., Schulz W., Zhu J., *Optical Engineering*, 53 (5), 051512 (2014).

952. Zhang G., Guo J., Ming W., Huang Y., Shao X., Zhang Z., *Applied Surface Science*, 290, 359–367 (2014).
953. Wu Ch., Karim E.T., Volkov A.N., Zhigilei L.V., *Springer Science, Lasers in Materials Science*, 191, 67-100 (2014).
954. Menezes P.L., Lovell M.R., Avdeev I.V., Lin J.S., C. Fred Higgs III, *Inter. J. Advanced Manufact. Tech.*, 70(1-4), 635-648 (2014).
955. Cheng J., Liu C.-s., Shang S., Liu D., Perrie W., Dearden G., Watkins K., *Optics & Laser Technology*, 46, 88-102 (2013).
956. Türkoğlu A.K., "Investigation of waveguide behavior in the interaction of femtosecond lasers with metals", *PhD Thesis*, İstanbul Teknik Üni., 140 pgs. (2012).
957. Türkoğlu A.K., Ersoy T., Canbaz F., Akturk S., *Applied Physics A: Materials Science & Processing*, 108, 4 935-941 (2012).
958. Döring S., Richter S., Nolte S., Tünnermann A., *Proc. of SPIE*, 7925, art. no. 792517 (2011).
959. Lewis L.J., Perez D., "Theory and Simulation of Laser Ablation—from Basic Mechanisms to Applications." In *Laser Precision Microfabrication*, 35-61. Springer Berlin Heidelberg, (2010).
960. Döring S., Richter S., Nolte S., Tünnermann A., *Optics Express*, 18 (19), 20395-20400 (2010).
961. Döring S., Ancona A., Hädrich S., Limpert J., Nolte S., Tünnermann A., *Appl. Phys. A: Mater. Sci. & Proces.*, 100 (1), 53-56 (2010).
962. Zhigilei L.V., Lin Z., Ivanov D.S., Leveugle E., Duff W.H., Thomas D., Sevilla C., Guy S.J., "Atomic/molecular-level simulation of laser-materials interactions", in *Laser Surface Interactions for New-Materials Production*, eds. Miotello A., Ossi P.M., Springer 130, 43-79 (2010).
963. Stavropoulos P., Salonitis K., Chryssoulouris G., *The 6th Intern. Conf. on Manufacturing Research (ICMR08)*, Brunel University, UK, 655-664 (2008).
964. Zhigilei L.V., Lin Z., Ivanov D.S., Leveugle E., Duff W.H., Thomas D., Sevilla C., Guy S.J., "Chapter for Proceedings of the 1st international school on laser-surface interactions for new materials production: tailoring structure and properties, July 13–20, 2008, Venice, Italy. (2008).
965. Weck A., Crawford T.H.R., Wilkinson D.S., Haugen H.K., Preston J.S., *Appl. Phys. A: Mater. Sci. & Proces.* 90 (3), 537-543 (2008).
966. Bouilly D., Perez D., Lewis L.J., *Phys. Rev. B - Condensed Matter and Materials Physics* 76 (18), art. no. 184119 (2007).
- B.I.134. Dikovska A.Og., Atanasov P.A., Dimitrov I.G., Vasilev C., Kocourek T., Jelinek M., *Appl. Surf. Sci.*, 252, 4569-4572 (2006).**
967. Pandey A., Kumar V., Kroon R.E., Swart H.C., *Journal of Alloys and Compounds*, 672, 190-196 (2016).
968. Li J., Li J.G., Li X., Sun X., *Ceramics International*, 42(2), 3268-3274 (2016).
969. Payrer E.L., "Light up-conversion in rare earth doped thin films. Synthesis, characterization, luminescence and prospects for solar cell application", *PhD Thesis*, Université de Grenoble & Instituto Superior Tecnico de Lisboa, 201 pgs. (2014).
970. Yavetskiy R.P., Shpilinskaya O.L., Baumer V.N., Doroshenko A.G., Tolmachev A.V., Petrusha I.A., Turkevich V.Z., *Functional Materials*, 20, 4, 445-450 (2013).
971. Lojpur V., Mancic L., Rabanal M.E., Dramicanin M.D., Tan Z., Hashishin T., Ohara S., Milosevic O., *J. of Alloys & Compounds*, 580, 584-591 (2013).
972. Han P.-D., Zhang L., Huang X.-G., Wang L.-X., Zhang Q.-T., *Guang Pu Xue Yu Guang Pu Fen Xi/Spectroscopy and Spectral Analysis* 30 (11), 2906-2910 (2010).
973. Das P.S., Dalapati G.K., Chi D.Z., Bismas A., Maiti C.K., *Appl. Surf. Sci.*, 256, 7, 2245-2251 (2010).
974. Muñoz Martín D., "TeO₂-based film glasses for photonic applications: structural and optical properties", *PhD Thesis*, N57 (2010).
975. Tang Y.J., Dai S.Y., Fang Y., *J. Appl. Phys.*, 105 (3), 033101 (2009).
976. Correa P., "Avaliação da Técnica de Evaporação Resistiva para a deposição de Filmes Finos de GaAs e Compostos de GaAs com Óxidos e Cloretos de Er ou Yb", *Dissertação (MCTecnologia de Materiais) – UNESP, Faculdade de Ciências Bauru*, 97 pgs (2008).
977. Mongstad T.T., "Fremstilling og karakterisering av oppkonverteringsfilmer for bruk i solceller", *Project report NTNU*, pp.48 (2007).
- B.I.135. Hirayama Y., Atanasov P.A., Obara M., Nedialkov N.N., Imamova S.E., *Japan. J. Appl. Phys.*, 45 (2A), 792-797 (2006).**
978. Labunov V., Prudnikava A., Bushuk S., Filatov S., Shulitski B., Tay B.K., Shaman Y., Basaev A., *Nanoscale Research Letters*, 8, no. 1, 1-10 (2013).
979. Hashida M., Ikuta Y., Miyasaka Y., Tokita S., Sakabe S., *Appl. Phys. Lett.*, 102 (17), 174106-174106 (2013).
980. Miyasaka Y., Hashida M., Ikuta Y., Otani K., Tokita S., Sakabe S., *Phys. Rev. B*, 86, 7, N 075431 (2012).
981. Sung Y.L., "Molecular dynamics simulation on fs laser processing and heat effect of single crystal copper", *MS Thesis*, Dept. of Mechan. Engin., China, 149 pgs. (2011).
982. Hashida M., Miyasaka Y., Ikuta Y., Tokita Sh., Sakabe Sh., *Phys. Rev. B* 83, 23, 235413 (2011).
983. Forster M., Égerházi L., Haselberger C., Huber C., Kautek W., *Appl. Phys. A: Mater. Sci. & Proces.*, 102 (1), 27-33 (2011).
984. Cheng M.C., Sung C.K., *Proc. of ASME 10th Biennial Conf. on Engin. Systems Design and Analysis*, 5, 557-563 (2011).
985. Hashida M., Namba S., Okamuro K., *Phys. Rev. B*, 81, 11, 115442 (2010).
- B.I.136. Dikovska A.Og., Atanasov P.A., Jiménez de Castro M., Perea A., Gonzalo J., Afonso C.N., García López J., *Thin Solid Films*, 500 (1-2), 336-340 (2006).**
986. Chen Z., Jiang S., Xin B., Guo R., Miao D., *Journal of Materials Science: Materials in Electronics*, 29(1), 837-845 (2018).
987. Mikhailov M.M., Neshchimenko V.V., Chundong L., Utebekov T.A., *J. of Surface Investigation: X-ray, Synchrotron & Neutron Tech.*, 11(4), 827-831 (2017).
988. Rao K.S., Kumar V.R., Zhdachevskii Y., Suchocki A., Piasecki M., Raju G.N., Kumar V.R., Veeraiah N., *Journal of Luminescence*, 192, 443-451 (2017).
989. Rao S.K., Kumar V.R., Zhdachevskii Ya., Suchocki A., Piasecki M., Gandhi Y., Kumar V. R., Veeraiah N., *Opt. Materials*, 69, 181–189 (2017).
990. Hassaan M.Y., El-Bahnasawy H.H., Salem S.M., Amer T.Z., Moustafa M.G., Mostafa A.G., *Advances in Materials*, 5(5), 51-56 (2016).
991. Chen Z., "Rare earth activated phosphors coating for photoluminescent textile", *PhD Thesis*, The Hong Kong Polytechnic University, 194 pgs. (2016).
992. Morea R., "Synthesis and characterization of rare earth doped fluorotellurite glasses, glass-ceramics, and thin film glasses for active photonic applications", *PhD Thesis*, Universidad Autónoma de Madrid, Facultad de Ciencias, Departamento de Física de Materiales, 199 pgs. (2015)
993. Kaur M., Bisen D.P., Brahma N., Singh P., Sahu I.P., *Luminescence*, 31(3), 728-737 (2015).
994. Brien V., Boulet P., *Acta Materialia*, 90, 37-45 (2015).
995. Yang S., Hao J., Guo X., Huang H., Cui R., Lin G., Li C., Dong J., Sun B., *RSC Advances*, 5, 21634-21639 (2015).
996. Bisson J.F., Patriarche G., Marest T., Thibodeau J., *Journal of Materials Science*, 50, 3, 1267-1276 (2015).
997. Dubey V., Tiwari R., Tamrakar R.K., Rathore G.S., Sharma C., *Infrared Physics & Technology*, 67, 537-541 (2014).
998. Rao D.R., Baskaran G.S., Babu P.R., Gandhi Y., Veeraiah N., *Journal of Molecular Structure*, 1073, 164-173 (2014).
999. Dugandžić I., Lojpur V., Mančić L., Dramicanin M.D., Rabanal M.E., Hashishin T., Tan Z., Ohara S., Milošević O., *Advanced Powder Technology*, 24, 5, 852-857 (2013).
1000. Fan Tink, Lju Jiantao, Li Na, *Acta Optica Sinica*, F06, 237-240 (2013).
1001. Rao D.R., Baskara S.G., Kuma V.R., Veeraiah N., *Journal of Non-Crystalline Solids*, 378, 265-272 (2013).
1002. Ramesh Babu N.Ch., "Dielectric dispersion and electrical conductivity studies on Fe₂O₃ mixed lithium yttrium silicate glasses and up-conversion and NIR luminescence studies of Ce³⁺-Yb³⁺ and Tm³⁺-Yb³⁺ co-doped lithium silicate glass system - influence of yttrium ions", Acharya Nagarjuna University, India, *PhD Thesis*, 235 pgs. (2013).
1003. Srinivasa Rao Ch., "Dielectric and spectroscopic investigations on multi component lithium aluminium zirconium silicate glasses mixed with TiO₂ and WO₃: Spectroscopic features of Pr³⁺ and Er³⁺ ions in Li₂O-ZrO₂-SiO₂ glass matrices mixed with some sesquioxides", Acharya Nagarjuna University, India, *PhD Thesis*, pgs. 253 (2013).
1004. Antić Z., Krsmanović R.M., Nikolić M.G., Dordević V., Dramicanin M.D., *Intern. J. of Materials Research*, 104 (2), 216-221 (2013).
1005. Demidov E.S., Karzanova M.V., Chigirinskii Y.I., Shushunov A.N., Antonov I.N., Sidorenko K.V., *Physics of the Solid State*, 55, 2, 301-305 (2013).
1006. Webster Scott Elliott, "Growth and structure of yttrium sesquioxide epitaxial films", *PhD Thesis*, The Uni. of British Columbia, (2012).
1007. Yao C., Tong Y., *TRAC Trends in Analytical Chemistry*, 39, 60-71 (2012).
1008. Babu N.C.R., Valente M.A., Rao N.N., Graça M.P.F., Raju G.N., Piasecki M., Kityk I.V., Veeraiah N., *J. of Non-Crystalline Solids*, 358(23), 3175-3186 (2012).
1009. Ramesh Babu N.Ch., Srinivasa Rao Ch., Naga Raju G., Ravi Kumar V., Kityk I.V., Veeraiah N., *Optical Materials*, 34 (8), 1381-1388 (2012).
1010. Srinivasa Rao Ch., Kityk I.V., Srikumar T., Naga Raju G., Ravi Kumar V., Gandhi Y., Veeraiah N., *J. of Alloys and Compounds*, 509, 37, 9230-9239 (2011).
1011. Oliva J., Meza O., Diaz-Torres L.A., Salas P., De la Rosa E., Martinez A., Angeles-Chavez C., *JOSA B*, 28, 4, 649-657 (2011).
1012. Fan T., Zhang Q.Y., Jiang Z.H., *Journal of Optics*, 13, 1 N: 015001 (2011).
1013. Bradley J.D.B., Pollnau M., *Laser & Photonics Reviews*, 5 (3), 368-403 (2011).
1014. Han P.-D., Zhang L., Huang X.-G., Wang L.-X., Zhang Q.-T., *Guang Pu Xue Yu Guang Pu Fen Xi/Spectroscopy & Spectral Analysis*, 30 (11), 2906-2910 (2010).
1015. Martínez A., Morales J., Díaz-Torres L.A., Salas P., De La Rosa E., Oliva J., Desirena H., *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, 174 (1-3), 164-168 (2010).
1016. Webster S.E., Kumaran R., Penson S., Tiedje T., *J. Vac. Sci. & Technology B: Microelectronics and Nanometer Structures* 28 (3), C3A20-C3A23 (2010).
1017. Tsuchiya M., Bojarczuk N.A., Guha S., Ramanathan S., *Philosoph. Magazine*, 90 (9), 1123-113 (2010).
1018. Lü Q., Wu Y., Ding L., Zu G., Li A., Zhao Y., Cui H., *J. of Alloys & Compounds*, 496 (1-2), 488-493 (2010).
1019. Muñoz Martín David, "TeO₂-based film glasses for photonic applications: structural and optical properties", *PhD Tesis de la Universidad Complutense de Madrid, Facultad de Ciencias Físicas* (2010).
1020. Qiao Yanmin, Guo Hai, *J. of Rare Earths*, 27, 3, 406-410 (2009).
1021. Das G.K., Tan T.T.Y., *J. of Phys. Chem. C*, 112, 30, 11211-11217 (2008).
1022. Grivas C., Eason R.W., *J. of Phys.-Condensed Matter*, 20, 26, Nr: 264011 (2008).
1023. Mao Y., Huang J.Y., Ostroumov R., Wang K.L., Chang J.P., *J. of Physical Chemistry C*, 112 (7), 2278-2285 (2008).
1024. Bradley J.D.B., Ay F., Wörhoff K., Pollnau M., *Appl. Phys. B: Lasers and Optics* 89 (2-3), 311-318 (2007).
1025. Wörhoff K., Bradley J.D.B., Ay F., Pollnau M., *ECS Transactions* 3 (11), 117-124 (2006).

- B.I.137.** Mazingue Th., Escoubas L., Spalluto L., Flory F., Jacquouton P., Perrone A., Kaminska E., Piotrowska A., Mihailescu I., **Atanasov P.**, *Appl. Optics*, 45, 7, 1425-1435 (2006).
1026. Mariammal R.N., Rajamanickam N., Renganathan B., Sastikumar D., Ramachandran K., *Journal of Applied Physics*, 122(12), 124504 (2017).
1027. Lettieri S., *Chemical Sensors: Simulation and Modeling, 4: Optical Sensors*, 4, 71 (2013).
1028. Aad R., Simic V., Le Cunff L., Rocha L., Sallet T., Sartet C., Lussou A., Couteau C., Lerondel G., *Nanoscale*, 5, 19, 9176-9180 (2013).
1029. Chai G.-Y., Lupan O., Rusu E.V., Stratan G.I., Ursaki V.V., Oteava V., Khallaf H., Chow L., *Sensors and Actuators, A: Physical*, 176, 64-71 (2012).
1030. Son G.-S., Kim W.-K., Lee S.-S., Park S.-S., Kwon S.-W., Lee H.-Y., *Jap. J. of Appl. Phys.*, 51 (1), 012202 (2012).
1031. Son G.-S., Lee S.-S., Kim W.-K., Lee H.-Y., *Jap. J. of Appl. Phys.*, 50 (3), 032203-032204 (2011).
1032. Haidar A.J., Habubi N.F., Yousef A.A., *Eng. & Tech. Journal*, 28, No.14, 4677-4686 (2010).
1033. Pasternak, I., Borysiewicz, M.A., Ekielski, M., Golaszewska, K., Rzdokiewicz, W., Wojciechowski, T., Dynowska, E., Struk, P., Pustelny, T., *Materials Research Soc. Symp. Proc.*, 1201, 99-104 (2010).
1034. Struk P., Pustelny T., Gut K., Gollaszewska K., Ekielski M., Pasternak I., Łlusakowska E., *Acta Physica Polonica A*, 116, 3, 414-418 (2009).
1035. Wang Y., Du G., Liu H., Liu D., Qin S., Wang N., Hu C., Tao X., Jiao J., Wang J., Wang Z.L., *Adv. Functional Materials*, 18, 7, 1131-1137 (2008).
1036. Simon J.J., Torchio P., Manganet T., *Proc. SPIE*, 6785, art. no. 67851R (2007).
1037. Hokkanen B., Funk S., Burghaus U., Ghicov A., Schmuki P., *Surface Science*: 601 (19), 4620-4628 (2007).
1038. Ristoscu C., Caiteanu D., Prodan G., Socol G., Grigorescu S., Axente E., Stefan N., Ciupina V., Aldica G., *Appl. Surf. Sci.*: 253, 15, 6499-6503 (2007).
- B.I.138.** Dikovska A.Og., Tonchev S.H., Vasilev C., **Atanasov P.A.**, *Plasma Proc. & Polymers*, 3, 201-204 (2006).
1039. Jumpei Ueda, Setsuhisa Tanabe, *IOP Conf. Ser.: Mater. Sci. Eng.*, 1, 012005 (2009).
- B.I.139.** **Atanasov P.A.**, Dikovska A.Og., Perriere J., Defourneau R.M., *Thin Solid Films*, 515, 3052-3056 (2007).
1040. Rahimi-Nasrabadi M., Pourmortazavi S.M., Ganjali M.R., Norouzi P., Faridbod F., Karimi M.S., *J. of Mater. Sci.: Mater. in Electron.*, 27, 12, 12860-12868 (2016).
1041. Bi Y., Tian Y.-W., Wang G.-S., Xiao L.-J., *Faguang Xuebao/Chinese Journal of Luminescence* 32 (6), 571-575 (2011).
1042. Samuel P., "Investigation on rare earth ion doped solid state laser hosts Single crystals and transparent ceramics", *PhD thesis*, Anna University, India (2010).
1043. Yadav B.C., Singh M., *IEEE Sensors Journal*, 10, 11, 5482076, 1759-1766 (2010).
1044. Qiu Fengxian, Xu Hongliang Da, Yang Dong Ya, *Luminescence*, 28, 6, 930-934 (2007).
- B.I.140.** Amoroso S., Bruzzese R., Wang X., Nedialkov N.N., **Atanasov P.A.**, *J. Phys. D – Appl. Phys.*: (2) 331-340 (2007).
1045. Li G., "Multifunctional Three-Dimensional Porous Metal Micro/Nanocages by Ethanol-Assisted Femtosecond Laser Irradiation" in *Bionic Functional Structures by Femtosecond Laser Micro/nanofabrication Technologies*, 61-76, Springer, Singapore (2018).
1046. Li G., "Microcone Arrays by Sucrose Solution Assisted Femtosecond Laser Irradiation" in *Bionic Functional Structures by Femtosecond Laser Micro/nanofabrication Technologies*, 77-93, Springer, Singapore (2018).
1047. Li G., "Key Technical Problems of Femtosecond Laser Bionic Surfaces" in *Bionic Functional Structures by Femtosecond Laser Micro/nanofabrication Technologies*, 21-28, Springer, Singapore. (2018).
1048. Mihailescu I.N., Ristoscu C., "Thin Films and Nanoparticles by Pulsed Laser Deposition: Wetting, Adherence, and Nanostructuring", in *Pulsed Laser Ablation*, 261-292, Pan Stanford (2018).
1049. Kramer T., Remund S., Jäggi B., Schmid M., Neuenschwander B., *Advanced Optical Technologies*, 7(3), 129-144 (2018).
1050. Zhang Y., Fu T., Fu L., Shi C., *Applied Surface Science*, 450, 200-208 (2018).
1051. Dou H.Q., Yao C.Z., Liu H., Wan Y., Ding R.J., Yuan X.D., Xu S.Z., *Applied Surface Science*, 447, 388–392 (2018).
1052. Mihailescu I.N., Caricato A.P., "Femtosecond Laser Ablation of Solid Targets in Vacuum and Low-Pressure Gas Atmosphere" in *Pulsed Laser Ablation*, Pan Stanford, 171-208, (2018).
1053. Xu S., Ding R., Yao C., Liu H., Wan Y., Wang J., Ye Y., Yuan X., *Applied Physics A*, 124(4), 310 (2018).
1054. Shih C.Y., Wu C., Wu H., Shugaev M.V., Zhigilei L.V., "Atomistic simulations of the generation of nanoparticles in short-pulse laser ablation of metals: Effect of background gas and liquid environments", Pan Stanford Publishing Pte. Ltd., ch. 12, 421-466 (2018).
1055. Peng E., "Understanding of the formation of micro/nanoscale structures on metal surfaces by ultrafast pulse laser processing", *PhD Thesis*, The University of Nebraska-Lincoln, (2017).
1056. Peng E., Bell R., Zuhke C.A., Wang M., Alexander D.R., Gogos G., Shield J.E., *Journal of Applied Physics*, 122(13), 133108 (2017).
1057. Ooi C.R., Sanny A.I., *JOSA B*, 34(10), 2072-2080 (2017).
1058. Ионин А.А., Кудряшов С.И., Левченко А.О., Макаров С.В., Сараева И.Н., Руденко А.А., Буцень А.В., Бураков В.С., *Письма в ЖЭТФ*, 106(3-4), 247-251 (2017).
1059. Callahan P.G., Echlin M.P., Pollock T.M., De Graef M., *Microscopy and Microanalysis*, 23(4), 730-740 (2017).
1060. McCann R., Hughes C., Bagga K., Stalcup A., Vázquez M., Brabazon D., *Journal of Physics D: Applied Physics*, 50(24), 245303 (2017).
1061. Xia Zen-dong, Fan Nan-nan, Sun Xiao-yan, *Science & Technology Vision*, 12, 48-50 (2016).
1062. Zhang Yan-fei, Wang Lei-lei, Gong Jin-liang, *Acta Photonica Sinica*, 45(5), 514002 (2016).
1063. Hamad A.H., Khashan K.S., Hadi A.A., Laser Ablation in Different Environments and Generation of Nanoparticles. In *Applications of Laser Ablation-Thin Film Deposition, Nanomaterial Synthesis and Surface Modification, InTech*, Ch. 8, 177-196 (2016).
1064. Xu S.Z., Yao C.Z., Liao W., Yuan X.D., Wang T., Zu X.T., *Nuclear Instrum. & Methods in Phys. Res. B: Beam Inter. with Mater. & Atoms*, 385, 46-50 (2016).
1065. Deng G., Su W., Duan J.A., Fan N., Sun X., Zhou J., Wang C., Kai J., Hu Y., *Applied Physics A*, 122(9), 861 (2016).
1066. Roth J., Trebin H-R., Kiselev A., Rapp D-M., *Appl. Phys. A*, 122 (5), 500 (2016).
1067. Smijesh N., Rao K.H., Philip R., *Applied Physics A*, 122(4), 460 (2016).
1068. Caricato A.P., Luches A., Martino M., "Laser fabrication of nanoparticles", *Handbook of Nanoparticles*, 407-428 (2016).
1069. Kiliyanamkandy A., "Femtosecond laser ablation of solid targets using Gaussian and vortex beams", *PhD Thesis*, Università degli Studi di Napoli Federico II, Italy, 121 pgs. (2015).
1070. Arboleda D.M., Santillán J.M.J., Herrera L.M., van Raap M.F., Muraca D., Schinca D.C., Scaffardi L.B., *Proc. SPIE*, 9547, 95473J1-95473J9 (2015).
1071. McArthur M.A., Evans M.D.G., Sainct F.P., Omanovic S., Coulombe S., *22nd Intern. Symp. on Plasma Chemistry*, Antwerp, Belgium, PI17, 1-5 (2015).
1072. Bashir S., Khurshid S., Akram M., Ali N., Ahmad S., Yousef D., *Quantum Electronics*, 45(7), 640-647 (2015).
1073. Jorgensen D.J., Titus M.S., Pollock T.M., *Appl. Surf. Sci.*, 353, 700-707 (2015).
1074. Attia Y.A., Flores-Arias M.T., Nieto D., Vázquez-Vázquez C., De La Fuente G.F., López-Quintela M.A., *J. Phys. Chem. C*, 119 (23), 13343–13349 (2015).
1075. Arboleda D.M., Santillán J.M.J., Herrera L.M., van Raap M.B.F., Zélis P.M., Muraca D., Schinca D., Scaffardi L., *J. Phys. Chem. C*, 119 (23), 13184–13193 (2015).
1076. Zhao X., Shin Y.C., *Applied Physics B*, 120, 1, 81-87 (2015).
1077. Shen Y., Gan Y., Qi W., Shen Y., Chen Z., *Applied Optics*, 54, 7, 1737-1742 (2015).
1078. Zhao X., "Ultrashort laser pulse-matter interaction: Fundamentals and early stage plasma dynamics", *PhD Thesis*, Purdue University, 167 pgs. (2014).
1079. Spatschek K.H., Bonitz M., Klinger T., Ebert U., Franck C., Keudell A.V., Naujoks D., Dewitz M., *Contributions to Plasma Physics. Molecules*, 900, 3 (2014).
1080. Inogamov N.A., Petrov Y.V., Khokhlov V.A., Anisimov S.I., Zhakhovskii V.V., Ashitkov S.I., Komarov P.S., Agranat M.B., Fortov V.E., Migdal K.P., Il'inskiĭ D.K., Émirov Y.N., *Journal of Optical Technology*, 81(5), 233-249 (2014).
1081. Banerjee S.P., "Laser induced breakdown spectroscopy for microanalysis of surfaces", *PhD Thesis*, Department of Electrical and Computer Engineering, University of Alberta, 189 pgs. (2014).
1082. Zhang L., Cao X.W., Li S.G., Xiang R.Y., Sun H.C., *Applied Mechanics and Materials*, 633, 665-670 (2014).
1083. Peña-Rodríguez O., González-Izquierdo J., Rivera A., Balabanian G., Olivares J., Perlado J.M., Bañares L., *Optical Mater. Exp.*, 4(9), 1943-1952 (2014).
1084. Guo J., Wang T., Wang D., Shao J., Chen A., Jin M., *Applied Physics A*, 117, 1367-1374 (2014).
1085. Smijesh N., Chandrasekharan K., Joshi J.C., Philip R., *Journal of Applied Physics*, 116 (1), 013301 (2014).
1086. Mirza I., O'Connell G., Wang J.J., Lunney J.G., *Nanotechnology*, 25 (26), 265301 (2014).
1087. Inogamov N.A., Petrov Y.V., Khokhlov V.A., Anisimov S.I., Zhakhovskii V.V., Ashitkov S.I., Émirov Y.N., *J. of Optical Technology*, 81(5), 233-249 (2014).
1088. Rouleau C.M., Shih C.-Y., Wu C., Zhigilei L.V., Puzitsky A.A., Geohagan D.B., *Appl. Phys. Lett.*, 104, 19, 193106 (2014).
1089. Bourquard F., Loir A.S., Donnet C., Garrelie F., *Applied Physics Letters*, 104 (10), 104101 (2014).
1090. O'Connell G., Donnelly T., Lunney J. G., *Applied Physics A*, 117, 1, 289-293 (2014).
1091. Bourquard F., Tite T., Loir A.-S., Donnet C., Garrelie F., *J. Phys. Chem. C*, 118 (8), 4377–4385 (2014).
1092. Wu C., Zhigilei L.V., *Applied Physics A*, 114, 1, 11-32 (2014).
1093. Fischer D., de la Fuente G.F., Jansen M., "A new pulsed laser deposition technique: Scanning multi-component PLD method", 1-23 (2013).
1094. Inogamov N.A., Zhakhovsky V.V., Petrov Yu.V., Khokhlov V.A., Ashitkov S.I., Migdal K.P., Il'inskiĭ D.K., *Proc. SPIE*, 9065, 906502-906502 (2013).
1095. Di Maio Y., "Étude de l'interaction laser-matière en régime d'impulsions ultra-courtes: application au micro-usinage de matériaux à destination de senseurs", *PhD thesis*, Université Jean Monnet - Saint-Etienne, 187 pgs. (2013).
1096. Inogamov N.A., Zhakhovsky V.V., Petrov Yu.V., Khokhlov V.A., Ashitkov S.I., Khishchenko K.V., Migdal K.P., *Contributions to Plasma Phys.*, 53, 10, 796-810 (2013).
1097. Harilal S.S., Farid N., Hassanein A., Kozhevnikov V.M., *J. of Appl. Phys.*, 114, 20, 203302 (2013).
1098. O'Connell G., "Nanoparticle plume dynamics in fs laser ablation", (2013).
1099. Zuhke C.A., Anderson T.P., Alexander D.R., *Appl. Surf. Sci.*, 283, 648-653 (2013).

1100. Zuhlke C.A., Anderson T.P., Alexander D.R., *Appl. Phys. Lett.*, 103, 12, 121603-121603 (2013).
1101. Smijesh N., Philip R., *J. of Applied Physics*, 114, no. 9, 093301 (2013).
1102. Donnelly T., Lunney J.G., *Appl. Surf. Sci.*, 282, 133-137 (2013).
1103. Vorobyev A.Y., Guo C., *Laser and Photonics Reviews*, 7, 3, 385-407 (2013).
1104. Banerjee S.P., Chen Z., Fedosejevs R., *J. of Appl. Phys.*, 113, 18, 183101-183101 (2013).
1105. Balling P., Schou J., *Rep. Prog. Phys.*, 76, 3, 036502 (2013).
1106. Toftmann B., Doggett B., Budtz-Jørgensen C., Schou J., Lunney J.G., *J. Appl. Phys.*, 113, 8, 083304 (2013).
1107. Vorobyev A.Y., Guo C., *Appl. Phys. Lett.*, 102, no. 7, 074107-074107 (2013).
1108. Chen A., Sui L., Y. Shi, Y. Jiang, D. Yang, Liu H., Jin M., Ding D., *Thin Solid Films*, 529, 209-216 (2013).
1109. Bianco Mario, "Ablazione laser ultraveloce di bervagli di ranel con impulse da 50 fs a 800 nm", *PhD thesis*, Uni. Napoli, 87 pgs. (2012).
1110. Leng N., Jiang L., Li X., Xu C., Liu P., Lu Y., *Appl. Phys. A: Mater. Sci. & Proces.*, 109, 3, 679-684 (2012).
1111. Di Maio Y., Colombier J.P., Cazottes P., Audouard E., *Optics & Lasers in Engineering*, 50, 11, 1582-1591 (2012)
1112. Fischer D., de la Fuente G.F., Jansen M., *Rev. Sci. Instrum.* 83, 4, 043901-8 (2012).
1113. Wang T., Guo J., Shao J., Sun T., Chen A., Liu H., Ding D., *Optics & Laser Technology*, 44, 5, 1551-1555 (2012).
1114. Smyth C.A., Mirza I., Lunney J.G., McCabe E.M., *Proc. SPIE*, 8234, art. no. 82341G (2012).
1115. Lansiant L., Millon E., Perrière J., Mathias J., Petit A., Seiler W., Boulmer-Leborgne C., *Appl. Surf. Sci.*, 258 (23), 9112-9115 (2012).
1116. Mirza I., Lunney J.G., *30th ICPIG*, August 28th – September 2nd 2011, Belfast, Northern Ireland, UK, 3pg. (2011).
1117. Akman E., Oztoprak B.G., Gunes M., Kacar E., Demir A., *Photonics and Nanostructures - Fundamentals and Applications* 9 (3), 276-286 (2011).
1118. Chumakov A.N., Bereza N.A., Hu J.D., Bosak N.A., Guo Z.X., Xie Q.Q., *J. of Engin. Phys. & Thermophysics* 84 (3), 567-573 (2011).
1119. Aurino Pier Paolo, "Ablazione laser pulsate del diossido di titanio", *MSc thesis*, Uni. Napoli, 90 pgs. (2011).
1120. De Bonisa A., Teghil R., Rau J.V., Galasso A., Orlando S., Santagata A., *Appl. Surf. Sci.*, 257 (12), 5315-5318 (2011).
1121. Gearoid O'Connell, "Nanoparticle plume dynamics in femtosecond laser ablation", 1, (2011).
1122. Besner S., Meunier M., "Laser Synthesis of Nanomaterials" in "Laser Precision Microfabrication", Springer Series in Materials Science, 135, 163-187, DOI: 10.1007/978-3-642-10523-4_7 (2010).
1123. Demaske B.J., Zhakhovsky V.V., Inogamov N.A., Oleynik I.I., *AIP Conference Proc.*, 1278, 121-130 (2010).
1124. Chen A.M., Xu H.F., Jiang Y.F., Sui L.Z., Ding D.J., Liu H., Jin M.X., *Appl. Surf. Sci.*, 257 (5), 1678-1683 (2010).
1125. Demaske B.J., Zhakhovsky V.V., Inogamov N.A., Oleynik I.I., *Phys. Rev. B*, 82, 064113 (2010).
1126. Inogamov N.A., Ashitkov S.I., Zhakhovsky V.V., Shepelev V.V., Khokhlov V.A., Komarov P.S., Agranat M.B., Anisimov S.I., Fortov V.E., *Appl. Phys. A: Mater. Sci. & Proces.*, 101, 1, 1-5, (2010).
1127. Inogamov N.A., Petrov Y.V., *J. of Exper. & Theor. Phys.*, 110, 3, 446-468 (2010).
1128. Wendelen W., Dzhurakhalov A.A., Peeters F.M., *J. of Phys. Chem. C*, 114, 12, 5652-5660 (2010).
1129. Maeyens A., Dzhurakhalov A.A., Wendelen W., Bogaerts A., "Hybrid continuum-atomistic simulations for ultrashort pulsed laser ablation", P20, 116 (2010).
1130. Salminen T., Hahtala M., Seppala I., Niemi T., Pessa M., *Appl. Phys. A – Mater. Sci. & Proces.*, 98, 3, 487-490 (2010).
1131. Boulmer-Leborne C., Benzerga R., Perrière J., "NP formation by fs laser ablation", in *Laser-Surface Interactions for New-Materials Production*, eds. Miotello A., Ossi P.M., Springer, 130, 125-140 (2010).
1132. Walter D., "Online-Qualitätssicherung beim Bohren mittels ultrakurz gepulster Laserstrahlung", *Dissertation*, Stuttgart Uni., Herbert Utz Verlag, pp. 146 (2010).
1133. Rao M.C., *Journal of Chemical, Biological and physical sciences. Technology*, 2(2), 29-32 (2010).
1134. Grossman E., Shpilman Z., Gouzman I., Eliezer S., Louzon E., *physica status solidi (a)*, 206(7), 1541-1548. (2009).
1135. Inogamov N.A., Zhakhovskii V.V., Ashitkov S.I., Khokhlov V.A., Petrov Yu.V., Komarov P.S., Agranat M.B., Anisimov S.I., Nishihara K., *Appl. Surf. Sci.*, 255, 24, 9712-9716 (2009).
1136. Petronic S., Drecun-Nesic S., Milosavljevic A., *Acta Phys. Polonica A*, 116, 4, 550-552 (2009).
1137. Milosavljevic A., Petronic S., Sreckovic M., Kovacevic A., Krmpot A., Kovacevic K., *Acta Phys. Polonica A*, 116, 4, 553-556 (2009).
1138. Altucci C., Nisoli M., Prociro I., Sansone G., Tosa V., Velotta R., Vozzi C., Xia J., *European Phys. J.: Special Topics*, 175, 1, 11-14 (2009).
1139. Donnelly T., Lunney J.G., Ni X., *J. of Appl. Phys.*, 106 (1), art. no. 013304 (2009).
1140. Guillermin M., "Etude du panache d'ablation laser femtoseconde, controle et optimisation des procedes", *DSc Thesis*, Uni. Jean Monnet de Saint-Etienne (2009).
1141. Grossman E., Shpilman Z., Gouzman I., Eliezer S., Louzon E., *Physica Status Solidi (A) Appl. & Mater.* 206 (7), 1541-1548 (2009).
1142. Xu R.-Q., Cui Y.-P., Lu J., Ni X.-W., *Chinese Physics Letters*, 26 (1), art. no. 015201, 176-182 (2009).
1143. Murakami M., Liu B., Hu Z., Liu Z., Uehara Y., Che Y., *Applied Phys. Express* 2 (4), 0425011-0425013 (2009).
1144. Murakami Makoto, Hu Zhendong, Liu Bing, Che Yong, Liu Zhenlin, Uehara Yuzuru, "A method for fabricating thin films", *US Patent: WO2009148674* (2009).
1145. Murakami Makoto, Hu Zhendong, Che Yong, Liu, Bing, "Method for fabricating thin films", *US Patent: US20090246413* (2009).
1146. Murakami Makoto, Hu Zhendong, Che Yong, Liu Bing, Uehara Yuzuru, Liu, Zhenlin, "Method for fabricating thin films", *US Patent: US20090246530* (2009).
1147. Guillermin M., Liebig C., Garrelie F., Stoian R., Loir A.S., Audouard E., *Appl. Surf. Sci.*, 255 (10) 5163-5166 (2009).
1148. Santagata A., Albano G., Spera D., Teghil R., Villani P., Parisi G.P., De Bonis A., Sordelet D.J., *Appl. Surf. Sci.*, 255 (10) 5159-5162 (2009).
1149. Sanz M., Walczak M., de Nalda R., Oujja M., Marco J.F., Rodriguez J., Izquierdo J.G., Banares L., Castillejo M., *Appl. Surf. Sci.*, 255 (10) 5206-5210 (2009).
1150. Iannotti V., Amoroso S., Ausanio G., Barone A.C., Campana C., Wang X., Lanotte L., *Applied Surf. Sci.*, 255, (10), 5224-5227 (2009).
1151. Eliezer Sh., "Nanoparticles Induced by Femtosecond Lasers", ch. 8, 274-301 (2009).
1152. Santagata A., Spera D., Albano G., Teghil R., Parisi G.P., De Bonis A., Villani P., *Appl. Phys. A: Mater. Sci. & Proc.*, 93, 4, 929-934 (2008).
1153. Aginako J.I.A., "New insights in laser produced plasmas and plasma-laser coupling mechanisms", 19-20, (2008).
1154. Iannotti V., Ausanio G., Barone A.C., Campana C., Hison C., Lanotte L., *J. Mater. Proc. Tech.*: 208 (1-3), 409-414 (2008).
1155. Iannotti V., Aruta C., Ausanio G., *J. Phys D-Appl. Phys.*: 41 (19), 195006 (2008).
1156. Iannotti V., Ausanio G., Campana C., D'Orazio F., Hison C., Lucari F., Lanotte L., *J. Magnetism & Magnetic Mater.*, 320, 20, e594-e598 (2008).
1157. Jang J.-H., Lin J., *Surface and Coatings Technology* 202 (24), 6136-6141 (2008).
1158. Williams G.O., O'Connor G.M., Mannion P.T., Glynn T.J., *Applied Surf. Sci.*, 254 (18), 5921-5926 (2008).
1159. Huang P.H., Lai H.Y., *Phys. Rev. B*, 77, 12, 125408 (2008).
1160. Gallerie F., "Ablation laser femtoseconde pour le dépôt de couches minces", *Dissertation*, L'Université Jean Monnet, Saint Etienne, 147 (2008).
1161. Lopeandia A.F., "Development of Membrane-based Calorimeters to Measure Phase Transitions at the Nanoscale", *PhD Thesis*, 1-201 (2007).
1162. Perrière J., Boulmer-Leborgne C., Benzerga R., Tricot S., *J. of Phys. D: Appl. Phys.* 40 (22), 7069-7076 (2007).
- B.I.141. Atanasov P.A., Takada H., Nedyalkov N.N., Obara M., Appl. Surf. Sci., 253, 19, 8304-8308 (2007).**
1163. Lou Qianfeng, Liu Ziyuan, Xue Lei, Tao Haiyan, Lin Jingquan, *Precision Manufacturing*, 61, 6, 57-63 (2018).
1164. Boriskina S.V., Cooper T.A., Zeng L., Ni G., Tong J.K., Tsurimaki Y., Chen G., *Advances in Optics and Photonics*, 9(4), 775-827 (2017).
1165. Sugioka K., *Nanophotonics*, 6, 2, 393-413 (2017).
1166. Fattah A.R., "Magnetic Inks for Printing Functional Materials", McMaster University, *PhD Thesis*, 286 pgs. (2016).
1167. Sugioka K., *The Japan Society for Precision Engineering*, 81(8), 709-713 (2015).
1168. Esen C., Ostendorf A., "Laser Fabrication and Nanostructuring" in *Photonics: Scientific Foundations, Technology and Applications, III*, 403-443 (2015).
1169. Sugioka K., Cheng Y., *Light: Science & Applications*, 3(4), e149, (2014).
1170. Boriskina S.V., *Plasmonics: Theory and Applications*, Springer Netherlands, 431-461 (2013).
1171. Lugomer S., Maksimovic A., Geretovszky Z., Szörényi T., *Appl. Surf. Sci.*, 285, Issue PARTB, 588-599 (2013).
1172. Heinemann D., Schomaker M., Kalies S., Schieck M., Carlson R., Escobar H.M., Ripken T., Meyer H., Heisterkamp A., *PLOS ONE*, 8, 3, e58604, 1-9 (2013).
1173. Rahimi L., Bahrampour A.R., Pepe G.P., *J. of Phys. D: Applied Physics*, 45(47), 475306 (2012).
1174. Samad R.E., Machado L.M., Nilson D.V.J., de Rossi W., "Ultrashort Laser Pulses Machining" in *Laser Pulses – Theory, Technology, and Applications*, 143-174 (2012).
1175. Wong Seong Chang, *Trans. Kor. Soc. Mech. Engin. B*, 36(12), 1171-1176 (2012).
1176. Wang N., Rokhlin S.I., Farson D.F., *J. of Nanoparticle Research*, 13, 10, 4491-4509 (2011).
1177. Gillner Arnold, Malte Schulz-Ruhtenberg, "Verfahren zur Strukturierung einer Oberfläche", *Patent*, DE 102011111998 A1 (2011).
1178. Helvajian H., "Process Control in Laser Material Processing for the Micro and Nanometer Scale Domains" in "Laser Precision Microfabrication, Springer Series in Materials Science, 135, 1-34 (2010).
1179. Wang N., "Melting, Solidification and Sintering/Coalescence of Nanoparticles", *PhD thesis*, Ohio State Uni., pp. 253 (2010).
1180. Niino N., "Hybrid Laser Processing of Transparent Materials in "Laser Precision Microfabrication", Springer Series in Materials Science, 135, 293-310 (2010).
1181. Park Tae-Ho, "Plasmonic properties of metallic nanostructures", *PhD thesis*, Rice Uni., 122 pgs. (2010).
1182. Hashimoto S., Uwada T., Hagiri M., Takai H., Ueki T., *J. of Phys. Chem. C*, 113 (48), 20640-20647 (2009).
1183. Chang W.S., Yoo B.H., Cho S.H., *Jap. J. Appl. Phys.* 47 (8), 6998-7001, 3 (2008).
1184. Yamada K., Itoh T., Tsuboi Y., *Appl. Phys. Express*, 1, 8, 0870011-0870013 (2008).
1185. Park T.H., Mirin N., Lassiter J.B., Neel C.L., Halas N.J., Nordlander P., *ACS NANO*, 2, 1, 25-32 (2008).

- B.I.142.** Nedialkov N.N., Atanasov P.A., Amoroso S., Bruzzese R., Wang X., *Appl. Surf. Sci.*, 253, 19, 7761-7766 (2007).
1186. Xiong Q.L., Li Z., Kitamura T., *Scientific reports*, 7(1), 9218 (2017).
1187. Gontad F., Cesaria M., Klini A., Manousaki A., Perrone A., Caricato A.P., *Applied Surface Science*, 419, 603-613 (2017)
1188. Deng G., Su W., Duan J.A., Fan N., Sun X., Zhou J., Wang C., Kai J., Hu Y., *Applied Physics A*, 122(9), 861 (2016).
1189. Caricato A.P., Luches A., Martino M., "Laser fabrication of nanoparticles", *Handbook of Nanoparticles*, 407-428 (2016).
1190. Kiliyanamkandy A., "Femtosecond laser ablation of solid targets using Gaussian and vortex beams", *PhD Thesis*, Università degli Studi di Napoli Federico II, Italy, 121 pgs. (2015).
1191. Mayer P.N., Mayer A.E., *Journal of Experimental and Theoretical Physics*, 121(1), 35-47 (2015).
1192. Inogamov N.A., Zhakhovsky V.V., Hasegawa N., Nishikino M., Yamagiwa M., Ishino M., Agranat M.B., Ashitkov S.I., Faenov A.Ya., Khokhlov V.A., Ilitsky D.K., Petrov Yu.V., Migdal K.P., Pikuz T.A., Takayoshi S., Eyama T., Kakimoto N., Tomita T., Baba M., Minami Y., Suemoto T., Kawachi T., *Applied Physics B*, 119(3), 413-419 (2015).
1193. Rapp L., Constantinescu C., Larmande Y., Diallo A.K., Vidolot-Ackermann C., Delaporte P., Alloncle A.P., *Sens. & Actuators A: Phys.*, 224, 111-118 (2015).
1194. Lehr J., de Marchi F., Matus L., MacLeod J., Rosei F., Kietzig A. M., *Applied Surface Science*, 320, 455-465 (2014).
1195. Shaheen M.E., Gagnon J.E., Fryer B.J., *Laser Physics*, 24(10), 106102 (2014).
1196. Hu Lifeng, Ping Xue, Lin Caoyu, *J. Wenzhou University: Natural Sci.*, 35, 1, 58-62 (2014).
1197. Bulgakova N.M., *Fundamentals of ultrafast laser processing. "Ultrafast laser processing: from micro-to nanoscale"*, Pan Stanford Publishing, 99-182 (2013).
1198. Bian Qiumei, "Femtosecond laser micromachining of advanced materials", *PhD Thesis*, Dpt. of Industrial & Manufacturing Systems Engin., Kansas State Uni. (2013).
1199. Choubey A., Singh A., Modi M.H., Upadhyaya B.N., Lodha G.S., Oak S.M., *Applied Optics*, 52, 31, 7540-7548 (2013).
1200. Leng N., Jiang L., Li X., Xu C., Liu P., Lu Y., *Appl. Phys. A: Mater. Sci. & Proces.*, 109, 3, 679-684 (2012).
1201. Bian Qiumei, "Femtosecond laser micromachining of advanced materials", *PhD Thesis*, Kansas State Uni. (2012).
1202. D'Abzac F.X., Seydoux-Guillaume A.M., Chmeleff J., Datas L., Poitrasson F., *J. Anal. At. Spectrometry*, 27, 1, 99-107 (2012).
1203. Wu X.B., Ling X., Shi-Quan Luo feng, Duchon Lin, Sun Xiuquan, *Laser & Optoelectronics Progress*, 8, 171-177 (2012).
1204. Fang R., Wei H., Giu X., *ICSEM 2011*, 1, Article N 6081184, 203-206 (2011).
1205. Döring S., Richter S., Nolte S., Tünnermann A., *Proc. SPIE*, 7925, art. no. 792517 (2011).
1206. Kobtsev S.M., Kukarin S.V., Fedotov Y.S., Ivanenko A.V., *Laser Physics*, 21 (2), 308-311 (2011).
1207. Maria D., Bhandarkar U.V., Joshi S.S., *J. of Appl. Phys.*, 109 (2), art. no. 021101 (2011).
1208. Döring S., Richter S., Nolte S., Tünnermann A., *Optics Express*, 18 (19), 20395-20400 (2010).
1209. Baladi A., Mamoooy R.S., *5th Intern. Conf. on MEMS NANO, and Smart Systems, ICMENS 2009*, art. no. 5489318, 218-221 (2010).
1210. Wang W., Jiang G., Mei X., Wang K., Shao J., Yang C., *Applied Surface Science*, 256, 11, 3612-3617 (2010).
1211. Hayden C.J., *J. of Micromechanics & Microengin.*, 20 (2), art. no. 025010 (2010).
1212. Qi X., Suh S., *Intern. J. of Heat & Mass Transf.*, 53, 1-3, 41-47 (2010).
1213. Teghil R., D'Alessio L., De Bonis A., Galasso A., Ibris N., Salvi A.M., Santagata A., Villani P., *J. of Phys. Chem. A*, 113, 52, 14969-14974 (2010).
1214. Guillermin M., "Etude du panache d'ablation laser femtoseconde, controle et optimisation des procedes", *DSc Thesis*, Uni. Jean Monnet de Saint-Etienne (2009).
1215. Baudelet M., Richardson M., Sigman M., *IEEE Conf. on Technologies for Homeland Security, HST 2009*, N 5168075, 464-468 (2009).
1216. Teghil R., De Bonis A., Galasso A., Villani P., Santagata A., *Proc. of ICNM - 2009*, 242-245 (2009).
1217. Cheng J., Perrie W., Wu B., Tao S., Edwardson S.P., Dearden G., Watkins K.G., *Appl. Surf. Sci.*, 255, 18, 8171-8175 (2009).
1218. Li X., Jiang L., Tsai H.-L., *Proc. SPIE*, 7202, art. no. 72020B (2009).
1219. Qi X., Suh C.S., *IMECE 2008: Mechanics of Solids, Structures & Fluids*, 12, 351-359 (2009).
1220. Bulgakova N.M., "Fundamentals of Ultrafast Laser Processing", Ch.3 in "Ultrafast Laser Processing: From Micro- to Nanoscale", CRC Press, 99-182 (2009).
1221. Qi X., Suh C.S., *J. of Thermal Strasses*, 32 (5) 477-493 (2009).
1222. Guillermin M., Liebig C., Garrelie F., Stoian R., Loir A.-S., Audouard E., *Appl. Surf. Sci.*, 255 (10) 5163-5166 (2009).
1223. Tang Xiaojuan, Liu Xiang, Zhong Zhanrong, *Materials Review*, 19, 6, 93-98 (2009).
1224. Qi Xuelei, "Ultrafast Laser Induced Thermo-Elasto-Visco-Plastodynamics in Single Crystalline Silicon", *PhD Thesis*, Texas A&M Uni. (2009).
1225. Teghil R., Santagata A., De Bonis A., Albano G., Villani P., Spera D., Parisi G.P., Galasso A., *Physica Scripta*, 78, 5, 058113 (2008).
1226. Gallerie F., "Ablation laser femtoseconde pour le dépôt de couches minces", *Dissertation*, L'Université Jean Monnet, Saint Etienne, 147 pgs. (2008).
1227. Jang J.H., Lin J., *Surface and Coatings Technology* 202 (24), 6136-6141(2008).
- B.I.143.** Peeva A., Dikovska A.Og., Atanasov P.A., Jiménez de Castro M., Skorupa W., *Appl. Surf. Sci.*, 253, 19, 8165-8168 (2007).
1228. Krawczyk, Lisowski W., Pisarek M., Nikiforow K., Jablonski A., *Applied Surface Science*, 437, 347-356 (2018).
1229. Mai L., Boysen N., Subaşı E., de los Arcos T., Rogalla D., Grundmeier G., Devi A., *RSC Advances*, 8(9), 4987-4994 (2018).
1230. Singh V., Rai V.K., Ledoux-Rak I., Singh N., Gao H., Li J., Srivastava A.K., Singh P.K., *J. of Materials Sci.: Mater. in Electronics*, 27(1), 886-891 (2016).
1231. Hsu Hui-Lin, "Rare-Earth Doped Amorphous Carbon Thin Films Using Plasma-Enhanced Metalorganic Chemical Vapor Deposition: A Potential Photonic Material", *PhD Thesis*, University of Toronto, 141 pgs. (2015).
1232. Karle S., Dang V.S., Prenzel M., Rogalla D., Becker H.W., Devi A., *Chemical Vapor Deposition*, 21(10-11-12), 335-342 (2015).
1233. Morea R., Miguel A., Fernandez-Navarro J.M., Gonzalo J., Fernandez J., Balda R., *Optical Materials*, 41, 131-135 (2015).
1234. Payer E.L., "Light Up-conversion in Rare Earth doped Thin Films. Synthesis, Characterization, Luminescence and Prospects for Solar Cell Application", *PhD Thesis*, Université de Grenoble; Instituto Superior Tecnico de Lisboa, 201 pgs. (2014).
1235. Hsu H.L., Leong K.R., Teng I.J., Halamicck M., Juang J.Y., Jian S.R., Kherani N.P., *Materials*, 7(8), 5643-5663 (2014).
1236. Pearce S.J., Charlton M.D.B., Hiltunen J., Puustinen J., Lappalainen J., Wilkinson J.S., *Surface & Coatings Tech.*, 206 (23), 4930-4939 (2012).
1237. Lei P., Zhu J., Zhu Y., Jiang Ch., Yin X., *Applied Physics A: Materials Sci. & Proces.*, 108 (3), 621-628 (2012).
1238. Mishra M., Kuppusami P., Sairam T.N., Singh A., Mohandas E., *Appl. Surf. Science* 257 (17), 7665-7670 (2011).
1239. Pearce S.J., Charlton M.D.B., Parker G.J., Wilkinson J.S., *Proc. of SPIE*, 7934, art. no. 79341N (2011).
1240. Pearce S.J., Charlton M.D.B., Parker G.J., Wilkinson J.S., *Proc. of SPIE*, 7912, art. no. 79122H (2011).
1241. Hong-sheng L., Ying L., Wei W., Run-hua Y., *Electrical and Control Engineering (ICECE), 2010 International Conf.*, 2987-2990 (2010).
1242. Pearce S.J., Parker G.J., Charlton M.D.B., Wilkinson J.S., *J. of Vac. Sci. & Technol. A: Vac., Surf. & Films*, 28 (6), 1388-1392 (2010).
1243. Singh V., Rai V.K., Ledoux-Rak I., Kwak H.Y., *Appl. Phys. B - Lasers & Optics*, 97, 1, 103-107 (2009).
1244. Cheng X., Qi Z., Zhang G., Zhou H., Zhang W., Yin M., *Physica B: Condensed Matter*, 404 (1) 146-149 (2009).
- B.I.144.** Dikovska A.Og., Atanasov P.A., Stoyanchoy T.R., Andreev A.Tz., Karakoleva E.I., Zafirova B.S., *Appl. Optics*, 46, 13, 2481-2485 (2007).
1245. Wang Min, Liu Fu-Fei, Zhou Xian, Dai Yu-Tang, Yang Ming-Hong, *Acta Phys. Sin.*, 66(7), 70703-070703 (2017).
1246. Allabergenov B., Shaislamov U., Shim H., Lee M.J., Matnazarov A., Choi B., *Optical Materials Express*, 7, 2, 494-502 (2017).
1247. Shobin L., Renganathan B., Park K., Manivannan S., *Sensors Journal, IEEE*, 14 (4), 6683023, 1238-1243 (2014).
1248. Hung K-T., Wu H-T., Fu S-W., Chen H-J., Hsiao C-Y., Shih C-F., *Organic Electronics*, 14, 1, 182-186 (2013).
1249. Konstantaki M., Klini A., Anglos D., Pissadakis S., *Optics Express*, 20, 8, 8472-8484 (2012).
1250. Wei A., Pan L., Huang W., *Materials Science and Engineering: B*, 176, 18, 1409-1421 (2011).
1251. Renganathan B., Sastikumar D., Gobi G., Rajeswari Yogamalar N., Chandra Bose A., *Optics & Laser Tech.*, 43, 8, 1398-1404 (2011).
1252. Renganathan B., Sastikumar D., Gobi G., Yogamalar N.R., Bose A.C., *Sensors and Actuators, B: Chemical* 156 (1), 263-270 (2011).
1253. Allsop T., Neal R., Davies E.M., Mou C., Bond P., Rehman S., Kalli K., Webb D.J., Calverhouse P., Bennion I., *Measur. Sci. & Technol.*, 21, 9, Sp. Iss., 094029 (2010).
1254. Bochenkov V.E., Sergeev G.B., "Sensitivity, Selectivity, and Stability of Gas-Sensitive Metal-Oxide Nanostructures" in *Metal oxide nanostructures and their applications*, 3, 31-52 (2010).
1255. Allsop T., Neal R., Davies E.M., Mou C., Bond P., Rehman S., Kalli K., Webb D.J., Calverhouse P., Bennion I., *Proc. SPIE*, 7503, 750385 (2009).
1256. Hsiao V.K.S., Li Z., Chen Z, Peng P.-C., Tang J., *Optics Express*, 17, 22, 19988-19995 (2009).
1257. Fragala M.E., Malandrino G., *Microelectronics J.*, 40, 2, 381-384 (2009).
1258. Mridha S., Basak D., *J. of Physics D: Appl. Phys.*, 40 (22), 6902-6907 (2007).
- B.I.145.** Amoroso S., Bruzzese R., Wang X., Nedialkov N.N., Atanasov P.A., *Nanotechnology*, 18, 14, 145612, 1-6 (2007).
1259. Caricato A.P., Luches A., Martino M., "Laser fabrication of nanoparticles", *Handbook of Nanoparticles*, 407-428 (2016).
1260. Kiliyanamkandy A., "Femtosecond laser ablation of solid targets using Gaussian and vortex beams", *PhD Thesis*, Università degli Studi di Napoli Federico II, Italy, 121 pgs. (2015).
1261. Li X., Jiang L., *Applied Physics A: Materials Science & Processing*, 109, 2, 367-376 (2012).
1262. Di Maio Y., Colombier J.P., Cazottes P., Audouard E., *Optics & Lasers in Engineering*, in press (2012)
1263. Ristoscu C., Mihailescu I.N., "Effect of Pulse Laser Duration and Shape on PLD Thin Films Morphology and Structure" in *Lasers - Applications in Science and Industry*, Ch. 3, 53-74 (2011).

1264. Chakravarty U., Naik P.A., Mukherjee C., Kumbhare S.R., Gupta P.D., *J. Appl. Phys.*, 108, 5, 053107 (2010).
1265. Huang P.-H., Lai H.-Y., *J. Appl. Phys.*, 108 (12), art. no. 123504 (2010).
1266. Guillermin M., Colombier J.P., Valette S., Audouard E., Garrelie F., Stoian R., *Phys. Rev. B*, 82, 035430, 16 pages (2010).
1267. Guillermin M., "Etude du panache d'ablation laser femtoseconde. controle et optimisation des procedes", *DSc Thesis*, Uni. Jean Monnet de Saint-Etienne (2009).
1268. Veleatnic E., Goh M.C., *J. of Phys. Chemistry C*, 113, 42, 18020-18026 (2009).
1269. Apiñániz J.I., Martínez R., Longarte A., Castaño F., *Informacion Tecnologica*, 20, 2, 3-11 (2009).
1270. Sysoev N.N., Osipov A.I., Uvarov A.V., *Moscow University Physics Bulletin*, 64, № 1, 1-9 (2009).
1271. Guillermin M., Liebig C., Garrelie F., Stoian R., Loir A.S., Audouard E., *Appl. Surf. Sci.*, 255 (10) 5163-5166 (2009).
1272. Steinhöfel G., "UV femtosecond laser ablation applied to Fe and Si isotope variations in Precambrian iron formations", *PhD Dissertation*, G.F. Leibniz Uni., Hannover, 170 pgs. (2008).
1273. Gallerie F., "Ablation laser femtoseconde pour le dépôt de couches minces", *Dissertation*, L'Université Jean Monnet, Saint Etienne, 147 (2008).
1274. Szorenyi T., Geretovszky Z., "Functionalized Nanoscale Mater., Dev. and Systems" - *NATO Science for Peace and Security Series B – Phys. and Biophys.*, 121-143 (2008).
1275. Jang J.-H., Lin J., *Surface and Coatings Technology*, 202 (24), 6136-6141 (2008).
1276. Huang, P.H., Lai, H.Y., *Nanotechnology*, 19 (25), art. no. 255701 (2008).
1277. Huang P.H., Lai H.Y., *Phys. Rev. B*, 77, 12, 125408 (2008).
1278. Lai H.Y., Huang P.H., *Journal of the Chinese Society of Mechanical Engineers*, 28(6), 577-583. (2007).
- B.146.** Milev D.R., **Atanasov P.A.**, Dikovska A.Og., Dimitrov I.G., Petrov K.P., Avdeev G.V., *Appl. Surf. Sci.*, 253, 19, 8250-8253 (2007).
1279. Foka K.E., Dejene B.F., Swart, H.C., *Applied Physics A*, 122(3), 1-6 (2016).
1280. Meetei S.D., Singh M.D., Singh S.D., *Journal of Applied Physics*, 115 (20), 204910 (2014).
1281. Andrea Stoeck, „Synthese und Charakterisierung lumineszenter, transparenter Dünnschichten und deren Anwendung in Gasentladungslampen“, *PhD Dissertation*, Technische Uni. Dresden, 128 (2013).
1282. Cheng X., Su L., Wang Y., Zhu X., Wei X., Wang Y., *Optical Materials*, 34, 7, 1102-1106 (2012).
1283. Deligne N., "Nouvelles voies de synthèse de vanadates et de niobates luminescents au départ de précurseurs moléculaires ou hybrides", *PhD Dissertation*, Uni. Catholique de Louvain, 323 pgs (2011)
1284. Deligne N., Lamme J., Devillers M., *European Journal of Inorganic Chemistry*, (23), 3461-3468 (2011).
- B.147.** Stanimirova T.J., **Atanasov P.A.**, Stankova M., Dimitrov I.G., Stoyanov T.R., *Appl. Surf. Sci.*, 253, 19, 8206-8209 (2007).
1285. Gao W., Cao S., Yang Y., Wang H., Li J., Jiang Y., *Thin Solid Films*, 520, 23, 6916-6921 (2012).
1286. Zhou H.B., Xu M.Q., Huang Q.M., Cai Z.P., Li W.S., *J. of Appl. Electrochem.*, 39, 10, 1739-1744 (2009).
1287. Liu X., Bi W., Liu Z., *Appl. Surf. Sci.*, 255, 18, 7942-7945 (2009).
1288. Wang H., Zhong C., Jiang C.J., Gu X., Li J., Jiang Y.M., *Acta Physico-Chimica Sinica*, 25, 5, 835-839 (2009).
1289. Wang H., Zhong C., Li J., Jiang Y.M., *2008 Intern. Conf. on Electron. Packaging Tech. & High Density Pack.*, 1-2, 774-777 (2008).
1290. Hao W., Cheng Z., Jin L., Yiming J., *Proc. Intern. Conf. on Electronic Packaging Tech. & High Density Pack.*, ICEPT-HDP 2008, art. no. 4607097 (2008).
- B.148.** **Atanasov P.A.**, Nedialkov N.N., *Proc. SPIE*, 6346, part 2, 2Y 1-6 (2007).
1291. Zhao X., "Ultrashort laser pulse-matter interaction: Fundamentals and early stage plasma dynamics", *PhD Thesis*, Purdue University, 167 pgs. (2014).
1292. Zhao X., Shin Y.C., *Appl. Surf. Sci.*, 283, 94-99 (2013).
- B.149.** Koleva M.E., **Atanasov P.A.**, Perriere J., Tzankov D., *Proc. SPIE*, 6604, 660415 (2007).
1293. Wei D., Takahashi S., Takamasu K., Matsumoto H., *Optics Express* 17 (9), 7011-7018 (2009).
- B.I.151.** Dikovska A.Og., **Atanasov P.A.**, Tonchev S.H., Ferreira J., Escoubas L., *Sensors and Actuators A*, 140 (1), 19-23 (2007).
1294. Marinov G., Malinowski N., Vasileva M., Strijkova V., Madjarova V., Babeva T., *Journal of Physics and Technology*, 1, 2, 74-79 (2017).
1295. Marinov G., Strijkova V., Vasileva M., Madjarova V., Malinowski N., Babeva T., *Hindawi*, 1-10 (2018).
1296. Sardá C., Escalante G., García-Díaz I., López F.A., Fernández P., *Journal of Materials Science*, 53(3), 2026-2033 (2018).
1297. Sarkar A., Maity S., Bhunia C.T., Sahu P.P., *Superlattices and Microstructures*, 102, 459-469 (2017).
1298. Li J.Y., Chang S.P., Chang S.J., Lin H.H., Hsu M.H., *Journal of Nanoscience and Nanotechnology*, 17(3), 2037-2040 (2017).
1299. Marinov G., Vasileva M., Strijkova V., Malinowski N., Babeva T., *Bulgarian Chemical Communications*, 48, 188-192 (2016).
1300. Potrog T., Furtuna V., Duca D., "Nanostructured ZnO thin films doped with Al for photoelectrodes in the hybrid structured based on the copropylcyanine", *Studia Universitatis Moldaviae*, N2 (92) (2016).
1301. Diao C.C., Wu C.C., Yang C.F., *Lecture Notes in Electrical Engineering*, 345, 501-508 (2016).
1302. Ghosh S., Bhattacharyya R., Saha H., Chaudhuri C.R., Mukherjee N., *Physical Chemistry Chemical Physics*, 17(41), 27777-27788 (2015).
1303. Maia A., Ochoa M., Portugal A., Durães L., *Materials Today: Proceedings*, 2(1), 49-56 (2015).
1304. Orabona E., Pallotti D., Fioravanti A., Gherardi S., Sacerdoti M., Carotta M.C., Maddalena P., Lettieri S., *Sens. & Actuators B:Chem.*, 210, 706-711 (2015).
1305. Park S., Kim H., Kim D., *Journal of the Korean Physical Society*, 66(1), 31-36 (2015).
1306. Li J.Y., Chang S.P., Hua W.C., Chang S.J., *Journal of Nanoelectronics and Optoelectronics*, 9(3), 388-391 (2014).
1307. Mariappan R., Ponnuswamy V., Suresh P., Ashok N., Jayamurugan P., Chandra Bose A., *Superlattices and Microstructures*, 71, 238-249 (2014).
1308. Ghosh S., RoyChaudhuri C., Bhattacharya R., Saha H., Mukherjee N., *ACS Appl. Mater. Interfaces*, 6 (6), 3879-3887 (2014).
1309. Kung C.Y., Wang F.H., Huang C.L., Lin T.T., Young S.L., *Proc. of the 2nd Intern. Conf. on Innovation, Commun. & Engin., ICICE 2013*, 43-45 (2014).
1310. Park S.-J., Kim H., Kim D., *Korean Journal of Materials Research*, 24, 1, 19-24 (2014).
1311. Lettieri S., *Chemical Sensors: Simulation and Modeling*, 4: *Optical Sensors*, 4, 71 (2013).
1312. Nizamidin P., Yimit A., Abdurrahman A., Itoh K., *Sensors and Actuators B*, 176, 460-466 (2013).
1313. Kim O.-K., Kim H., Kim K., *Korean J. of Materials Research*, 22 (5), 237-242 (2012).
1314. Oruç F. B., "ZnO, TiO₂ and exotic materials for low temperature thin film electronic devices", *MS Thesis*, Bilkent Uni., Turkey, 92 pgs. (2012).
1315. Kim O.K., Kim H., Kim D., *Journal of Materials Research*, 22(11), 609-615 (2012).
1316. Patime Yasin P., Yimit A., Rahman E., Nizamidin P., *Chem. Res. Chinese Universities*, 28(4), 682-685 (2012).
1317. Elmehdi E., Rafik B.C., Hafedh B.O., *Akademia*, ea011/86 (2012).
1318. Elakrmi E., Chaabane R.B., Ouada H.B., *Akademia*, 2, 1, ea0111, 1-9 (2012).
1319. Dai M., Xu F., Lu Y., Liu Y., Xie Y., *Appl. Surf. Sci.*, 257 (8), 3586-3591 (2011).
1320. Abdurrahman R., Yimit A., Ablat H., Mahmut M., De Wang J., Itoh K., *Analytica chimica acta*, 658(1), 63-67 (2010).
1321. Jung H., Ahn E., Le Hung N., Oh D., Kim H., Kim D., *Korean J. of Mater. Res.*, 19 (11), 607-612 (2009).
1322. Ahn E., Jung H., Le Hung N., Oh D., Kim H., Kim D., *Korean J. of Mater. Res.*, 19 (11), 631-636 (2009).
1323. Makarona E., Speliotis Th., Nychos G., Niarchos D., Tsamis C., *Physica Status Solidi (C) Current Topics in Solid State Physics* 5 (12), 3809-3812 (2008).
1324. Park S.-Y., Jung H., Ahn E., Nguyen L.H., Kang Y., Kim H., Kim D., *Korean J. of Mater. Res.*, 18 (12), 655-659 (2008).
1325. Ilcan S., Caglar Y., Caglar M., Demirci B., *J. of Optoelectron. & Adv. Mater.*, 10 (10), 2592-2598 (2008).
- B.I.152.** Nedyalkov N.N., **Atanasov P.A.**, Obara M., *Nanotechnology*, 18, 30, 305703 (2007).
1326. Molinaro C., Marquet S., Douillard L., Charra F., Fiorini-Debuisschert C., *Physical Chemistry Chemical Physics*, in press (2018).
1327. Walton J.P., "Plasmonic Stimulation of Electrically Excitable Cells", *PhD Thesis*, University of South Florida (2017)
1328. Feng D., Weng D., Wang B., Wang J., *Journal of Applied Physics*, 122(24), 243102 (2017).
1329. Xue H., Deng G., Feng G., Lin C., Li J., Yang C., Zhou S., *Optics Letters*, 42(17), 3315-3318 (2017).
1330. Huang Y., Ma L., Li J., Zhang Z., *Nanotechnology*, 28(10), 105203 (2017).
1331. Hooshmand N., Bordley J.A., El-Sayed M.A., *The Journal of Physical Chemistry C*, 120 (8), 4564-4570 (2016).
1332. Schomaker M., Heinemann D., Kalies S., Willenbrock S., Wagner S., Nolte I., Ripken T., Escobar H.M., Meyer H., Heisterkamp A., *Journal of Nanobiotechnology*, 13 (1), 10 (2015).
1333. Bordley J. A., Hooshmand N., El-Sayed M.A., *Nano letters*, 15(5), 3391-3397 (2015).
1334. Shinohara T., Terakawa M., *Applied Physics A*, 116, 3, 1025-1031 (2014).
1335. Carias H., Chandran H., Vanlue S., Thusu V., "Biomolecular detection using DNA based nanoparticle arrays", Duke Uni., Citeseer, 1-10 (2013).
1336. Boulais E., Lachaine R., Hatf A., Meunier M., *J. of Photochemistry & Photobiology C: Photochemistry Reviews*, 17, 26-49 (2013).
1337. Robitaille A., Boulais E., Meunier M., *Optics Express*, 21, 8, 9703-9710 (2013).
1338. Heisterkamp A., Schomaker M., Heinemann D., "Application of plasmonics in biophotonics: Laser and nanostructures for cell manipulation." In *Nano-Optics for Enhancing Light-Matter Interactions on a Molecular Scale*, 305-313, Springer Netherlands (2013).
1339. Askari A.A., Bahrapour A.R., *NANO: Brief Reports and Reviews*, 8, No. 1, 1350003-1-1350003-12 (2013).

1340. Csete M., Sipos A., Szalai A., "Novel lithographic method with the capability of spectrum engineering to create complex microstructures", WO 2013027075 A2, *US Patent* (2012).
1341. Robitaille A., "Mécanismes d'ablation du silicium par laser ultrarapide amplifié par des nanostructures plasmoniques", *PhD diss.*, École Polytechnique de Montréal, pp. 109 (2012).
1342. Rahimi L., Bahrapour A.R., Pepe G.P., *J. Phys. D: Appl. Phys.*, 45, 47, 475306 (2012).
1343. Shi L., Li H., Du Y., Xie Ch., *JOSA B*, 22, 12, 3377-3385 (2012).
1344. Csete M., Sipos A., Szalai A., Szabo G., *Photonics Journal, IEEE*, 4, 5, 1909-1921 (2012).
1345. Sipos A., Szalai A., Csete M., *Proc. SPIE*, 8323, 83232E-83232E (2012).
1346. Hashimoto S., Werner D., Uwada T., *J. of Photochem. & Photobiology C: Photochem. Rev.*, 13, 1, 28-54 (2012).
1347. Csete M., Sipos A., Szalai A., Szabo G., *arXiv*:1112.3335v3, 1-12 (2011).
1348. Hashimoto S., Uwada T., Hagiri M., Shiraishi R., *J. Phys. Chem. C*, 115 (12), 4986-4993 (2011).
1349. Setoura K., Horiuchi K., Werner D., Matsuo S., Hashimoto S., "Nanofabrication on glass surface exploiting gold nanoparticles", Department of Optical Science and Technology, The University of Tokushima, 1-6 (2011).
1350. Nikbakht M., Mahdieh M.H., *J. Phys. Chem. C*, 115 (5), 1561-1568 (2011).
1351. Harrison R.K., Ben-Yakar A., *Optics Express*, 18 (21), 22556-22571 (2010).
1352. Carias H., Chandran H., Vanlue S., Thusu V., *Biomolecular Detection using DNA Based Nanoparticle Arrays*, 1-10 (2010).
1353. Nakamura T., Hirata N., Sekino Y., Nagaoka S., Nakajima A., *J. of Phys. Chem. C*, 114 (39), 16270-16277 (2010).
1354. Nakamura T., Hirata N., Nagaoka S., Nakajima A., *Chem. Phys. Lett.*, 489, 1-3, 69-74 (2010).
1355. Niino H., "Hybrid Laser Processing of Transparent Materials", *Laser Precision Microfabrication, Springer Series in Materials Science*, 135, 293-310 (2010).
1356. Plech A., Leiderer P., Boneberg J., *Laser & Photonics Rev.*, 3, 5, 435-451 (2009).
1357. Sen T., Patra A., *Journal of Physical Chemistry C*, 113 (30), 13125-13132 (2009).
1358. Yuan L., Zhong X., Ostrikov, K.K., *Nanotechnology*, 19(15), 155304 (2008).
1359. Toderas F., Baia M., Farcau V., Astilean S., Ulinici S., *J. of Optoelectron. & Adv. Mater.*, 10 (12) 3265-3269 (2008).
1360. Yamada K., Itoh T., Tsuboi Y., *Appl. Phys. Express*, 1, 8, 0870011-0870013 (2008).
1361. Levchenko I., Ostrikov K., *Nanotechnology*, 19, 33, 335703 (2008).
1362. Khatri O.P., Murase K., Sugimura H., *Langmuir*, 24, 8, 3787-3793 (2008).
- B.I.153. Atanasov P.A., Nedyalkov N.N., Sakai T., Obara M., Appl. Surf. Sci., 254, 4, 794-798 (2007).**
1363. Lou Qianfeng, Liu Ziyuan, Xue Lei, Tao Haiyan, Lin Jingquan, *Precision Manufacturing*, 61, 6, 57-63 (2018).
1364. Jiao Yue, Tao Hai-Yany, Ji Bo-Yu, Song Xiao-Weiz, Lin Jing-Quan, *Acta Phys. Sin.*, 66, No. 14, 144203 (2017).
1365. Huang Y., Ma L., Li J., Zhang Z., *Nanotechnology*, 28(10), 105203 (2017).
1366. Jeong-Ah Lee, "Plasmonic Enhancement of Nonlinear Optical Responses by Gold Nanorods", *PhD Thesis*, Virginia Tech., Blacksburg, VA (2016).
1367. Jabbour C., Lacour J.L., Tabarant M., Semerok A., Chartier F., *J. Anal. At. Spectrom.*, 31, 1534-1541 (2016).
1368. Sipos A., Somogyi A., Szabó G., Csete M., *Plasmonics*, 9, 5, 1207-1219 (2014).
1369. Wu J., Shi W., Chopra N., *Carbon*, 68, 708-717 (2014).
1370. Li Y., Shi W., Dykes J.C., Chopra N., *Materials Research Society Symposium Proceedings*, 1547, 103-108 (2013).
1371. Boulais E., Lachaine R., Hatf A., Meunier M., *J. of Photochemistry & Photobiology C: Photochemistry Reviews*, 17, 26-49 (2013).
1372. Robitaille A., Boulais É., Meunier M., *Optics Express*, 21, no. 8, 9703-9710 (2013).
1373. Robitaille A., "Mécanismes d'ablation du silicium par laser ultrarapide amplifié par des nanostructures plasmoniques", *PhD thesis*, École Polytechnique de Montréal, 109 pgs. (2012).
1374. Shi L., Li H., Du Y., Xie C., *JOSA B*, 29 (12), 3377-3385 (2012).
1375. Nakamura T., Hirata N., Sekino Y., Nagaoka S., Nakajima A., *J. of Phys. Chemistry C*, 114 (39), 16270-16277 (2010).
1376. Nakamura T., Hirata N., Nagaoka S., Nakajima A., *Chemical Physics Letters*, 489 (1-3), 69-74 (2010).
1377. Niino H., "Hybrid Laser Processing of Transparent Materials in Laser Precision Microfabrication", *Springer Series in Materials Science*, 135, 293-310 (2010).
1378. Yuan L.Q., Zhong X.X., Ostrikov K., *Nanotechnology*, 19 (15), 155304 (2008).
- B.I.154. Nedialkov N., Sawczak M., Jendrzewski R., Atanasov P., Martin M., Śliwiński G., Appl. Surf. Sci., 254 (4), 893-897 (2007).**
1379. Su L., Chen R., Huang Z., Zhou M., Zeng Q., Shi Q., Lu T., *Ceramics International*, 44, 2, 1370-1378 (2018).
1380. Gautam G.D., Pandey A.K., *Optics & Laser Technology*, 100, 183-215 (2018).
1381. Kansal H., Jain A., Grover V., *4th Nat. Conf. on Advancements in Simulation & Experimental Tech. in Mechanical Engin. (NCASEme-2017)*, 45-49 (2017).
1382. Hassan N.U., Hussain Z., Naeem M., Shah I.A., Husnain G., Ahmad I., Ullah Z., *Surf. Rev. Lett.*, 24(02), 1750021 (2017).
1383. Wang H., Lin H., Wang C., Zheng L., Hu X., *Journal of the European Ceramic Society*, 37(4), 1157-1173 (2016).
1384. Zhang F.L., Liu P., Nie L.P., Zhou Y.M., Huang H.P., Wu S.H., Lin H.T., *Ceramics International*, 41(7), 8861-8867 (2015).
1385. Polić S., Ristić S., Stašić J., Trtica M., Radojković B., *Ceramics International*, A 41, 1, 85-100 (2015).
1386. Antończak A.J., Kozioł P.E., Stępak B., Szymczyk P., Abramski K.M., *Proc. of SPIE*, 8968, 896814 (2014).
1387. Teak Gu Kim, Joohan Kim, *J. Korean Soc. Precis. Eng.*, 30, No. 12, 1265-1271 (2013).
1388. Kurselis K., Burgermeister T., Pyka K., Keller J., Partner H.L., Mehlstaubler T.E., Kiyan R., Reinhardt C., Chichkov B., *Lasers and Electro-Optics Europe (CLEO EUROPE/IQEC)*, 1-1, IEEE (2013).
1389. Kozioł P.E., Antończak A.J., Szymczyk P.E., Stępak B., Abramski K.M., *Appl. Surf. Sci.*, 287, 165-171 (2013).
1390. Kim T.G., Kim J., *Journal of the Korean Society for Precision Engineering*, 30(12), 1265-1271 (2013).
1391. Hanon M.M., Akman E., Genc Oztoprak B., Gunes M., Taha Z.A., Hajim K.I., Kacar E., Gundogdu O., Demir A., *Optics & Laser Technology*, 44, 4, 913-922 (2012).
1392. Dahotre N.B., Samant A., "Laser Machining of Advanced Materials", 215 pgs (2011).
1393. Eclin McLean P., "A new femtosecond laser-based 3D tomography technique", *PhD Thesis*, The University of Michigan, pgs 132 (2011).
1394. Samant A.N., Daniel C., Chang R.H., Blue C.A., Dahorte N.B., *Int. J. of Adv. Manufacturing Technol.*, 45, 7-8, 704-713 (2009).
1395. Ctvrtnickova T., Cabalin L., Laserna J., Kanicky V., Nicolas G., *Appl. Surf. Sci.*, 255 (10) 5329-5333 (2009).
- B.I.155. Dikovska Og., Atanasov P.A., Andreev A.Ts., Zafirova B.S., Karakoleva E.I., Stoyanchov T.R., Appl. Surf. Sci., 254, 4, 1087-1090 (2007).**
1396. Wang X., Tian K., Yuan L., Lewis E., Farrell G., Wang P.A., *Journal of Lightwave Technology*, in press (2018).
1397. Shi P., Wang J., Zhao Y., Duan Y., Shi L., Hou Y., Han T., *Talanta*, 178, 522-529 (2018).
1398. Azad S., Sadeghi E., Parvizi R., Mazaheri A., *Materials Science in Semiconductor Processing*, 66, 200-206 (2017).
1399. Guo Y., Chen L., Zhu J., Ni H., Xia W., Wang M., *Optical Fiber Technology*, 36, 187-194 (2017).
1400. Wang Min, Liu Fu-Fei, Zhou Xian, Dai Yu-Tang, Yang Ming-Hong, *Acta Phys. Sin.*, 66(7), 70703-070703 (2017).
1401. Kitture R., Pawar D., Rao C.N., Choubey R.K., Kale S.N., *Journal of Alloys and Compounds*, 695, 2091-2096 (2017).
1402. Narasimman S., L. Balakrishnan, S.R. Meher, R. Sivacoumar, Z.C. Alex, *Journal of Alloys and Compounds*, 706, 186-197 (2017).
1403. Zhang Qiankun, Liu Jing, *Nanotechnology and Precision Engineering*, 14, 5, 337-341 (2016).
1404. Wang J., Zhang H., Cao Z., Zhang X., Yin C., Li K., Yu B., *AOMATT2016*, 968516-968516, International Society for Optics and Photonics (2016).
1405. Wu Chao-Wei, Chien-Chung Wu, Chia-Chin Chiang, *Inventions*, 1, 4, 21 (2016).
1406. Anastasescu C., Mihaiu S., Preda S., Zaharescu M., "Synthesis of Oxide Nanotubes/Nanorods by Hydrothermal Method", in *1D Oxide Nanostructures Obtained by Sol-Gel and Hydrothermal Methods*, Springer International Publishing, 21-75 (2016).
1407. Huang S.-W., "Study of local ZnO nanorods growth by using atomic force microscopy", *Electrical and Electronics*, 1-60 (2016).
1408. Tamvakos A., Calestani D., Tamvakos D., Pullini D., Sgroi M., Pruna A., *Microelectronic Engineering*, 160, 12-17 (2016).
1409. Morali A., *Journal of Reserch on Many-body Systems*, 5, 10, 9-17 (2016).
1410. Sharifpour-Boushehri S., Hosseini-Golgo S.M., Sheikh M.H., *Optical Fiber Technology*, 24, 93-99 (2015).
1411. Sorayaie P., Yusefi M.H., Fallah H.R., Parsanasab G.M., *Applied Physics A*, 118, 2, 519-524 (2015).
1412. Fallah H., Harun W., Mohammed W.S., Dutta J., *JOSA B*, 31, 9, 2232-2238 (2014).
1413. Bora T., Fallah H., Chaudhari M., Apiwattanadej T., Harun S.W., Mohammed W.S., Dutta J., *Sensors & Actuators B: Chemical*, 202, 543-550 (2014).
1414. Renganathan B., Ganesan A.R., *Optical Fiber Technology*, 20, 1, 48-52 (2014).
1415. Shobin L.R., Renganathan B., Sastikumar D., Park K.C., Manivannan S., *IEEE Sensors Journal*, 14 (4), 6683023, 1238-1243 (2014).
1416. Mihaiu S., Madarasz J., Pokol G., Szilagyí I.M., Kaszas T., Mocioiu O.C., Atkinson I., Toader A., Munteanu C., Marinescu V.E., Zaharescu M., *Rev. Roum. Chim.*, 58, (4-5), 335-343 (2013).
1417. Li B., Ju H., *Biochip Journal*, 7, 4, 295-318 (2013).
1418. Muthukumar P., Selvakumari T.M., Rangasami C., Ganesan S., *Digest Journal of Nanomaterials and Biostructures*, 8 (4), 1455-1459 (2013).
1419. Balvedi G.C., Franco M.A.R., *J. of Microwaves, Optoelectronics and Electromagnetic Appl.*, 12, 1, 1-8, (2013).
1420. Fallah H., Chaudhari M., Bora T., Harun S.W., Mohammed W.S., Dutta J., *Optics Letters*, 38, 18, 3620-3622 (2013).

1421. Xiao S.S., Zhao L., Liu Y.H., Lian J.S., *Appl. Surf. Sci.*, 283, 781-787 (2013).
1422. Śmietana M., Myśliwiec M., Grochowski J., Bock W.J., Mikulic P., Wachnicki Ł., Witkowski B.S., Godlewski M., *Proc. SPIE*, 8794, 879413-879413 (2013).
1423. Luo J., Yao J., Liu Y., Ma W., Zhuang X., *Sensors (Switzerland)*, 13, 3, 3986-3997 (2013).
1424. Qian C., Cao K.Y., Liu X.L., Zhang X.F., Xu D.F., Xue P.C., Lu R., *Chinese Science Bulletin* 57 (33), 4264-4271 (2012).
1425. Creti A., Valeštrini D., Taurino A., Quaranta F., Lomascolo M., Rella R., *J. of Appl. Phys.*, 111, 7, 073520 (2012).
1426. Han Tianyu, Dong Yifan, Li Zeyu, Tong Bin, Shi Jianbing, Zhi Junge, Dong Yuping, *Acta Chimica Sinica*, 70, 10, 1187-1192 (2012).
1427. Konstantaki M., Klini A., Anglos D., Pissadakis S., *Optics Express*, 20, 8, 8472-8484 (2012).
1428. Zhang X., Liu X., Zhang H., Gong P., *J. of Materials Chemistry*, 22, 3, 1167-1172 (2012).
1429. Huang K., Tang Z., Zhang L., Yu J., Lv J., Liu X., Liu F., *Appl. Surf. Sci.*, 258, 8, 3710-3713 (2012).
1430. Xu Gang, Dai Yutang, *Mechanical Science and Technology*, 30 (10), 1781-178 (2011).
1431. Renganathan B., Sastikumar D., Gobi G., Rajeswari Yogamalar N., Chandra Bose A., *Optics & Laser Tech.*, 43 (8), 1398-1404 (2011).
1432. Xia J., Sui C., Liu Y., Xu T., *Zhongguo Jiguang/Chinese Journal of Lasers*, 38 (2), 6, 147-152 (2011).
1433. Renganathan B., Sastikumar D., Gobi G., Yogamalar N.R., Bose A.C., *Sensors and Actuators, B: Chemical* 156 (1), 263-270 (2011).
1434. Luigi Zhuang, Ye Ni, *Chin. Microelectronic Technology*, 6, 9, 376-383 (2011).
1435. Adawiya J.Haidar, Nadir F.Habubi, Ali A.Yousif, *Eng. & Tech. Journal*, 28, No.14, 4677-4686 (2010).
1436. Dwivedi D.K., Dayashankar Singh B.B., Dubey M., *Journal of Non-Crystalline Solids*, 356 (31-32), 1563-1568 (2010).
1437. Takagai Y., Nojiri Y., Takase T., Hinze W.L., Butsugan M., Igarashi S., *Analyst*, 135 (6), 1417-1425 (2010).
1438. Renganathan B., Gobi G., Sastikumar D., Srinivasan R., Bose A.C., *Sensor Lett.*, 8, 2, 292-296 (2010).
1439. Prepelita P., Medianu R., Sbarcea B., Garoi F., Filipescu M., *Appl. Surf. Sci.* 256 (6), 1807-1811 (2010).
1440. Valerini D., Creti A., Caricato A.P., Lomascolo M., Rella R., Martino M., *Sensors and Actuators B: Chemical*, 145 (1), 167-173 (2010).
1441. Chih-Hua Chan, "Micro integrated ammonia sensor with conductive polymers-polyaniline and readout circuit", *PhD Thesis*, Dept. of Mechanical Engineering, National Chung Hsing University, Tw. (2009).
1442. Sui C.-H., Zheng D., Liu Y.-L., Cai P.-G., Xu X.-J., *Guangdian Gongcheng/Opto-Electronic Engineering*, 36 (10), 94-99 (2009).
1443. Zheng D., Sui C., Cai P., Xu X., *Yi Qi Yi Biao Xue Bao/Chinese Journal of Scientific Instrument*, 30 (SUPPL.), 92-96 (2009).
1444. Laurent K., Yu D.P., Tusseau-Nenez S., Leprince-Wang Y., *J. Phys. D-Appl. Phys.*: 41 (19), 195410 (2008).
1445. Zhang N., Yu K., Li L., Zhu Z., *Appl. Surf. Sci.* 254 (18), 5736-5740 (2008).
1446. Yuan Y.F., Tu J.P., Guo S.Y., Wu J.B., Ma M., Yang J.L., Wang X.L., *Appl. Surf. Sci.*, 254 (16), 5080-5084 (2008).
1447. Wei Chi Lin, "A study of growth of ZnO thin films and thin film transistors by aqueous method", *PhD Thesis*, National Chiao Tung University, Tw. (2007).
- B.I.156. Koleva M.E., Atanasov P.A., Nedialkov N.N., Fukuoka H., Obara M., *Appl. Surf. Sci.*, 254, 4, 1228-1231 (2007).**
1448. Srinivasulu T., Saritha K., Reddy K.R., *Modern Electronic Materials*, 3, 2, 76-85 (2017).
1449. Pandey N.K., Panwar A., Misra S.K., *International Journal of Materials Science and Applications*, 6(3), 119-125 (2017).
1450. Medjnoun K., Djessas K., Gauffier J.L., Grillo S., Solhy A., Chehouani H., Essaleh L., *Renewable and Sustainable Energy Conference (IRSEC), 2016 International*, 40-45, IEEE (2016).
1451. Rady K.E., Desouky O.A., *The European Physical Journal Plus*, 131(12), 444 (2016).
1452. Li M., He J., *Materials Letters*, 174, 48-52 (2016).
1453. García-Hemme E., "Respuesta infrarroja en silicio mediante implantación iónica de metales de transición", *PhD thesis*, Uni. Computense de Madrid, Facultad de Ciencias Físicas, 287 pgs. (2015).
1454. García-Hemme E., Yu K.M., Wahnon P., González-Díaz G., Walukiewicz W., *Appl. Phys. Lett.*, 106, 18, 182101 (2015).
1455. Olive-Méndez S.F., Santillán-Rodríguez C.R., Venegas K.C., Matutes-Aquino J.A., Espinosa-Magaña F., *Ceramics International*, 41 (5), 6802-6806 (2015).
1456. Akilan T., Srinivasan N., Saravanan R., *Journal of Materials Science: Materials in Electronics*, 25(7), 2898-2904 (2014).
1457. Mansour S.E., Desouky O.A., Negim E.-S.M., Irmukhametova G., Mangazbayeva R.A., *World Applied Sciences Journal*, 26 (11), 1428-1433 (2013).
1458. Semre Avsar, "Electrodeposition of ZnO thin films: Effect of Vanadium doping", *MS Thesis*, 102 pgs. (2013).
1459. Tawale J.S., Nishido H., Toyoda S., Deepa M., Bahadur N., Maniraj M., Barman S.R., Chakraborty B.R., Srivastava A.K., *Advances in Nanodevices and Nanofabrication: Selected Publications from Symposium of Nanodevices and Nanofabrication in ICMAT2011*, 231-250 (2012).
1460. Gopalakrishnan N., Balakrishnan L., Brindha A., Jayalakshmi G., *Crystal Research & Technology*, 47, 1, 45-52 (2012).
1461. Srivastava A.K., Senthil K., Deepa M., Gakhar R., Tawale J.S., *World Journal of Nano Science and Engineering*, 1, 15-19 (2011).
1462. Karamat S., Rawat R.S., Lee P., Tan T.L., Ramanujan R.V., Zhou W., *Appl. Surf. Sci.*, 256, 8, 2309-2314 (2010).
1463. Tahir N., Hussain S.T., Usman M., Hasanain S.K., Mumtaz A., *Appl. Surf. Sci.*, 255 (20), 8506-8510 (2009).
1464. Deepa M., Bahadur N., Srivastava A.K., Chaganti P., Sood K.N., *J. Phys. & Chem. Solids* 70 (2), 291-297 (2009).
1465. Srivastava A.K., Deepa M., Bahadur N., Goyat M.S., *Materials Chemistry and Physics*, 114 (1) 194-198 (2009).
1466. Xu C.K., Yang K.K., Liu Y.Y., Huang L.W., Lee H., Cho J., Wang H.: *J. of Phys. Chem. C*, 112, 49, 19236-19241 (2008).
1467. Xu C.K., Yang K.K., Huang L.W., Liu Y., Wang H.: *J. Phys. D-Appl. Phys.* : 41 (19), 195005 (2008).
- B.I.157. Stankova N.E., Dimitrov I.G., Stoyanov T.R., Atanasov P.A., *Appl. Surf. Sci.*, 254, 4, 1268-1272 (2007).**
1468. Liang F., Chen S., Xie W., Zou C., *Journal of Physics and Chemistry of Solids*, 114, 195-200 (2018).
1469. Krishnan V.G., Elango P., Ganesan V., *Journal of Materials Science: Materials in Electronics*, 1-10 (2018).
1470. Dedi V., Musat V., Jurca B., Cristea N.L., *Rev. Chim.*, 68, No. 8, 1703-1705 (2017).
1471. Krishnan V.G., Purushothaman A., Elango P., *Journal of Materials Science: Materials in Electronics*, 1-9 (2017).
1472. Shah A., Mahmood A., Aziz U., Rashid R., Raza Q., Ali Z., *Materials Chemistry and Physics*, 180, 383-389 (2016).
1473. Mohsin A.K., Bidin N., Aadam K.A., *Materials Science in Semiconductor Processing*, 42(3), 319-325 (2016).
1474. Krämer A., Kunz C., Gräf S., Müller F.A., *Applied Surface Science*, 353, 1064-1051 (2015).
1475. Mohsin A.K., Bidin N., Aadam K.A., *Applied Mechanics and Materials*, 773, 701-705 (2015).
1476. Xiang B.X., Jiao Y., Guan J., Wang L., *Nuclear Instrum. & Methods in Physics Res. Section B: Beam Interact. with Materials & Atoms*, 354, 255-258 (2015).
1477. Aydin H., *Journal of Nanoelectronics and Optoelectronics*, 9(5), 608-613 (2014).
1478. Cancea V.N., Ion V., Filipescu M., Dinescu M., *Physics AUC*, 23, 18-27 (2013).
1479. Masliana M., Yusoff M., Sulaiman M., Wilfred S. P., *Materials Science Forum*, 756, 31-36 (2013).
1480. Zhou B., Jiang X., Zhubo liu, Shen R., Rogachev A.V., *Materials Sci. in Semiconductor Proces.*, 16, 2, 513-519 (2013).
1481. Zeng W., Miao B., Gou Zh., Lin L., *Physica E: Low-dimensional Systems and Nanostructures*, 44, 10, 2143-2151 (2012).
1482. Zeng W., Liu T., Wang Z., *Sensors and Actuators, B: Chemical*, 166-167, 141-149 (2012).
1483. Hu J., Tang H., Lin X., Luo Z., Cao H., Li Q., Liu Y., Long J., Wang P., *Intern. J. of Photoenergy*, 2012, no. 758539, 8 pages (2012).
1484. Yahya Kh.Z., "Characterization of pure and dopant TiO₂ thin films for gas sensors applications", *PhD thesis*, School of Applied Sciences of the University of Technology, Tehran, Iran (2010).
1485. Mandal S.S., Bhattacharyya A.J., *Talanta*, 82 (3), 876-884 (2010).
1486. Bal A.K., Singh A., Bedi R.K., *Physica B: Condensed Matter*, 405 (15), 3124-3128 (2010).
1487. Sato R., Kawai T., Kifune K., *J. of Non-Crystalline Solids*, 356, 25-27, 1300-1304 (2010).
1488. Bayati M.R., Molaei R., Kajbafvala A., Zanganeh S., Zargar H.R., Janghorban K., *Electrochimica Acta*, 55 (20), 5786-5792 (2010).
1489. Jelínek M., *Laser Physics* 19 (2) 265-273 (2009).
1490. Lin H., Rumaiz A.K., Schulz M., Wang D., Rock R., Huang C.P., Shah S.I., *Materials Sci. and Engin. B: Solid-State Materials for Advanced Technology*, 151 (2), 133-139 (2008).
- B.I.158. Andreev A.Tz., Zafirova B.S., Karakoleva E.I., Dikovska A.O., Atanasov P.A., *J. of Optics A – Pure&Appl. Optics*, 10, 3, 035303 (2008).**
1491. Chiavaioli F., Zubiate P., Del Villar I., Zamarreño C.R., Giannetti A., Tombelli S., Baldini F., *ACS sensors*, in press (2018).
1492. Usha S.P., Gupta B.D., *Applied Optics*, 56(20), 5716-5725 (2017).
1493. Del Villar I., Zubiate P., Zamarreño C.R., Arregui F.J., Matias I.R., *Optics Express*, 25(10), 10743-10756 (2017).
1494. Del Villar I., Arregui F.J., Zamarreño C.R., Corres J.M., Barria C., Goicoechea J., Elosua C., Hernaez M., Rivero P.J., Socorro A.B., Urrutia A., *Sensors and Actuators B: Chemical*, 240, 174-185 (2017).
1495. Tien C.L., Mao H.S., Lin H.Y., Sun W.S., *2nd Intern. Seminar on Photonics, Optics, and Its Appl. (ISPhOA 2016)*, 101500Z-101500Z-5 (2016).
1496. Zubiate P., Zamarreño C.R., Del Villar I., Matias I.R., Arregui F.J., *Optics Express*, 23, 6, 8045-8050 (2015).
1497. Zubiate P., Zamarreño C.R., Del Villar I., Matias I.R., Arregui F.J., *Proc. SPIE, OFS2014 23rd Intern. Conf. on Optical Fiber Sens.*, 9157, 91577V (2014).
1498. Zamarreño C.R., Zubiate P., Sagüés M., Matias I.R., Arregui F.J., *Optics Letters*, 38, 14, 2481-2483 (2013).
1499. Lopez S., Del Villar I., Zamarreño C.R., Hernaez M., Arregui F.J., Matias I.R., *Optics Letters*, 37 (1), 28-30 (2012).
1500. Alberto N.J., Marques C.A., Pinto J.L., Nogueira R.N., *Proc. SPIE*, 8001, art. no. 800124 (2011).
1501. Csáki A., Schröder K., Willsch R., Bartelt H., Fritzsche W., *Proc. of SPIE*, 8073, art. no. 80730I (2011).
1502. Ecke W., Csaki A., Kirsch K., Schroeder K., Wieduwilt T., Willsch R., *Proc. of SPIE*, 7753, art. no. 77534T (2011).

1503. Zamarreno C.R., Hernaiz M., Del Villar I., Matías I.R., Arregui F.J., *IEEE Sensors J.*, 10, 2, 365-366 (2010).

B.I.159. Dimitrov I.G., Dikovska A.Og., **Atanasov P.A.**, Stoyanchoy T.R., Vasilev T., *J. of Phys. Conf. Ser.*, 113, 1, 012044 (2008).

1504. Zhang K., Zhang H., Liu R., Yang Z., Yuan Y., Wang F., *Science of Advanced Materials*, 10(3), 367-372 (2018).
1505. Heer A.S.K., *Journal of Chemical and Pharmaceutical Research*, 9(12), 18-24 (2017).
1506. Joshi V.P., Sreenivasan M.G., Tomy R.M., Mohanachandran K., *2015 Intern. Conf. on Smart Sensors and Systems, IC-SSS 2015*, 7873623 (2017).
1507. Colombo E., Li W., Bhanu S.K., Ashokkumar M., *RSC Advances*, 7(31), 19373-19383 (2017).
1508. Sandeep K.M., Bhat S., Dharmaprakash S.M., *Materials Science in Semiconductor Processing*, 56, 265-271 (2016).
1509. Bhopal M.F., won Lee D., Rehman A.U., Lee S.H., *Vacuum*, 133, 108-113 (2016).
1510. Gupta A., Gangopadhyay S., Gangopadhyay K., Bhattacharya S., *Nanotechnology and Nanomaterials*, 40, 6 (2016).
1511. Lee W.C., Fang Y., Turner J.F.C., Bedi J.S., Perry C.C., He H., Qian R., Chen Q., *Sensors and Actuators B: Chemical*, 237, 724-732 (2016).
1512. Patel T., Panda E., *Surface and Interface Analysis*, 48(13), 1384-1391 (2016).
1513. Zargar R.A., Arora M., Chackrabarti S., Ahmad S., Kumar J., Hafiz A.K., *Modern Physics Letters B*, 1650244 (2016).
1514. Gupta D., Zutta D., Kumar M., Barman P.B., Som T., Hazra S.K., *Journal of Applied Physics*, 118(16), 164501 (2015).
1515. Pugh D.C., Luthra V., Singh A., Parkin I.P., *RSC Advances*, 5(104), 85767-85774. (2015).
1516. Wen L., Kumar M., Sahu B.B., Jin S.B., Sawangrat C., Leksakul K., Han J.G., *Surface and Coatings Technology*, 284, 85-89 (2015).
1517. Zargar R.A., Arora M., Ahmad M., Hafiz A.K., *Journal of Materials*, 2015, 1-7 (2015).
1518. Mohammed A.J., Wilde G., Ostendorp S., Winkler N., *Intern. J. of Enhanced Res. in Sci. Technol. & Engin.*, 4, 1, 66-74 (2015).
1519. Besleaga C., Ion L., Antohe S., *Romanian Reports in Physics*, 66(4), 993-1001 (2014).
1520. Patil S.N., "Preparation and characterization of ZnO CuO and ZnO CuO films and their use to trace and monitor the H₂S gas", *PhD Thesis*, Shivaji Uni., Maharashtra, India, 154 pgs. (2014).
1521. Yadav S.C., *International Journal of Engineering Sciences & Research Technology*, 3(8), 321-323 (2014).
1522. Baka O., Azizi A., Velumani S., Schmerber G., Dinia A., *J. of Materials Science: Materials in Electronics*, 25, 4, 1761-1769 (2014).
1523. Khelladi M.R., Azizi A., Baka O., *Journal of New Technology and Materials*, 4, 1, 62-67 (2014).
1524. Chyad F. A., Hassan S.Q.A., Al-Dahan Z.T., *Journal of Minerals and Materials Characterization and Engineering*, 1, 301-306 (2013).
1525. Dhanasekaran V., Mahalingam T., Jin-Koo Rhee, Chu J.P., *Optik - Inter. J. for Light and Electron Optics*, 124 (3), 255-260 (2013).
1526. Zaine I.S., Zabidi Z.M., Alias A.N., Jumali M.H., *Advanced Materials Research*, 658, 237-241 (2013).
1527. *Computer CD Software and Application*, 7, 33-34 (2012).
1528. Tahir S.F.B.M., Ramli N., Izzuddin I., Salleh M.M., Yahaya M., Umar A.A., Jumali M.H.H., *Sains Malaysiana*, 41 (8), 1001-1004 (2012).
1529. Chandramohan R., Dhanasekaran V., Ezhilvishian S., Vijayan T.A., Thirumalai J., John Peter A., Mahalingam T., *J. of Materials Science: Materials in Electronics*, 23 (2), 390-397 (2012).
1530. Samson J., "Greener syntheses of metallic nanoparticles and ZnO nanopowders", *PhD Thesis*, City University of New York, 145 pgs. (2011).
1531. Xu Xiaoling, Zhang Fu-qiang, Li Shaobiao, *Sensors and Microsystems*, 7, 57-59 (2011)
1532. Dong Bin-hua, Li Juan, Yang Jing, *Transducer & Microsystem Technology*, 5, 75-78 (2011).
1533. Yang Jing Jang, *Sensors and Microsystems*, 7, 60-63 (2011).
1534. Haidar A.J., Habubi N.F., Yousif A.A., *Eng. & Tech. Journal*, 28, No.14, 4677-4686 (2010).
1535. Offiah S.U., Ezugwu S.C., Ezema F.I., Oparaku O.U., Asogwa P.U., *J. of Ovonic Research*, 6, 3, 135-141 (2010).
1536. Liu Y., Zhang H., Zhang Z., Xie Y., Xie E., *Applied Surface Science*, 257 (4), 1236-1238 (2010).
1537. Rusu G.G., Rambu A.P., Buta V.E., Dobromir M., Luca D., Rusu M., *Materials Chemistry and Physics*, 123 (1), 314-321 (2010).

B.I.160. Nedyalkov N.N., Imamova S.E., **Atanasov P.A.**, Obara M., *Proc. SPIE*, 7027, 702709 (2008).

1538. Beliatis M., "Laser fabrication of plasmonic metal nanoparticles for optoelectronic devices", *PhD Thesis*, University of Surrey, U.K., 136 pgs. (2011).
1539. Beliatis M.J., Martin N.A., Leming E.J., Silva S.R.P., Henley S.J., *Langmuir*, 27 (3), 1241-1244 (2010).

B.I.162. Sakano T., Tanaka Y., Nishimura R., Nedyalkov N.N., **Atanasov P.A.**, Saiki T., Obara M., *J. Phys. D: Appl. Phys.*, 41, 235304 (2008).

1540. Xia M., *Coatings*, 8(4), 137 (2018).
1541. Kaleb Z., Geißen S.U., *Journal of Environmental Chemical Engineering*, 5, 1219-1226 (2017).
1542. Jia Xu, "Synthesis and functionalization of zinc oxide nanowires", *PhD Thesis*, Arizona State University, 126 pgs (2017).
1543. Saleh S.M., Soliman A.M., Sharaf M.A., Kale V., Gadgil B., *Journal of Environmental Chemical Engineering*, 5, 1, 1219-1226 (2017).
1544. Oh Y.J., Kang M., Park M., Jeong K.H., *BioChip Journal*, 10(4), 297-309 (2016).
1545. Ferreira B.M.A.C., "Glass Microfluidic platforms for molecular detection by SERS", *PhD Thesis*, 75 pgs., Universidade Nova de Lisboa (2016).
1546. Hou S., Lei H., Zeng Z., *RSC Adv.*, 6, 59, 54371-54376 (2016).
1547. Sun X., Li H., *Current Nanoscience*, 12(2), 175-183 (2016).
1548. Zhao Q., Herrng T.S., Guo C.X., Zhao D., Ding J., Lu X., *RSC Advances*, 6(19), 15731-15734 (2016).
1549. Chen H.C., Mai F.D., Yang K.H., Tsai H.Y., Yang C.P., Chen C.C., Chen C.H., *Green Chemistry*, 18(10), 3098-3105 (2016).
1550. Luo C.L., Yan W.G., Han J., Chen W., Zhao J., Wei X., Qi J, Liu Z., *Plasmonics*, 11(1), 131-137 (2016).
1551. Lamberti A., "Metal-Oxide Nanostructures for Surface Enhanced Raman Spectroscopy", *Encyclopedia of Nanotechnology*, ed. B. Bhushan, Springer, Dordrecht (2015).
1552. Saravanan P., Deepika D., Hsu J.H., Vinod V.T.P., Černík,M., Kamat S.V., *RSC Advances*, 5(112), 92406-92417 (2015).
1553. Zhao K., Lin J., Guo L., *RSC Advances*, 5, 53524-53528 (2015).
1554. Saravanan K., Krishnan R., Hsieh S.H., Wang H.T., Wang Y.F., Pong W.F., Asokan K., Avasthi D.K., Kanjilal D., *RSC Advances*, 5(51), 40813-40819 (2015).
1555. Lamberti A., Virga A., Chiadò A., Chiodoni A., Bejtka K., Rivolo P., Giorgis F., *Journal of Materials Chemistry C*, 3, 6868-6875, (2015).
1556. Xiao C.H., Xiao B.X., Zhang J., Wang S.M., Wang P., Yang T.Y., Zhao R., Yu H., Li Z.F., Zhang M.Z., *RSC Advances*, 5(23), 17945-17952 (2015).
1557. Udayabhaskar R., Karthikeyen B., Sreekanth P., Philip R., *RSC Advances*, 5, 13590-13597 (2015).
1558. Taleb A., Mesguich F., Onfroy T., Yanpeng X., *RSC Adv.*, 5, 7007-7017 (2015).
1559. Hou X., Wang L., *RSC Advances*. 4(100), 56945-56951 (2014).
1560. Shin H.Y., Shim E.L., Choi Y.J., Park J., Yoon S., *Nanoscale*, 6(24), 14622-14626 (2014).
1561. Hou X., *Materials Letters*, 137, 319-322 (2014).
1562. Singh N.K., Medwal R., Annapoorni S., *Journal of Materials Science*, 49, 24, 8386-8393 (2014).
1563. Mai F.D., Yu C.C., Liu Y.C., Chang C.C., Yang K.H., *J. of Electroanalytical Chem.*, 712, 96-102 (2014).
1564. Chen H.C., Hsu T.C., Liu Y.C., Yu C.C., *Journal of Electroanalytical Chemistry*, 724, 48-54 (2014).
1565. Zhou M., Diao K., Zhang J., Wu W., *Physica E: Low-dimensional Systems and Nanostructures*, 56, 59-63 (2014).
1566. Chen H.C., Ting-Chu Hsu, Yu-Chuan Liu, Kuang-Hsuan Yang, *RSC Adv.*, 4, 10553-10559 (2014).
1567. Klingshim C., 7.2. 8 "Quantum wires and nano rods based on ZnO and its alloys" in *Growth and Structuring*, 284-298, Springer, Berlin, Heidelberg. (2013).
1568. Lin Chun-Cheng, "Fabrication of Functionalized Nanoparticles for Biomolecule Detections, Separation and Hybrid Material Syntheses", *PhD Thesis*, 449 pgs., National Tsing Hua University, Tw. (2013).
1569. Zhang J., Chen Y., Fan T., Zhu Y., *Key Engineering Materials*, 562-565, 826-831(2013).
1570. Hamad S., Podagatipalli G.K., Tewari S.P., Rao S.V., *J. Phys. D: Appl. Phys.*, 46, 48, 485501 (2013).
1571. Filippov S., Wang X.J., Devika M., Koteeswara Reddy N., Tu C.W., Chen W.M., Buyanova I.A., *J. of Appl. Phys.*, 113: 214302 (2013).
1572. Chang C.-C., Liu Y.-C., Liu Y.-C., Yang K.-H., *Journal of Electroanalytical Chemistry*, 696, 38-44 (2013).
1573. Saravanan K., Panigrahi B.K., Krishnan R., Nair K.G M., *J. Appl. Phys.*, 113, (3), 033512 (2013).
1574. Yang K.H., Chang C.M., *Materials Research Bulletin*, 48, 2, 372-377 (2013).
1575. Sudakar C., Singh S., Rao M.S.R., Lawes G., *Springer Series in Materials Science*, 149 (1), 37-68 (2012).
1576. Tan E.Z., Yin P.G., You T.T., Wang H., Guo L., *ACS Appl. Materials & Interfaces*, 4, 7, 3432-3437 (2012).
1577. Chang S.T., Hsieh B.-F., Liu Y.-C., *Thin Solid Films*, 520 (8), 3369-3373 (2012).
1578. Chang C.C., Kuang-Hsuan Yang, Yu-Chuan Liu, Chung-Chin Yu, Yi-Hao Wu, *Analyst*, 137, 4943-4950 (2012).
1579. Chen R., Li D., Hu H., Zhao Y., Wang Y., Wong N., Wang S., Zhang Y., Hu J., Shen Z., Xiong Q., *J. Phys. Chem. C*, 116 (7), 4416-4422 (2012).
1580. Hou X.M., Wang L.X., He G.F., Hao J.C., *CrystEngComm*, 14, 16, 5158-5162 (2012).
1581. Jiang W.F., Zhang Y.F., Wang Y.S., Xu L., Li X.J., *Appl. Surf. Sci.*, 258, 5, 1662-1665 (2011).
1582. Xu Sheng; Wang Zhong Lin, *Nano Research*, 4, 11, 1013-1098 (2011).
1583. Su Q.Q., Ma X.Y., Dong J., Jiang C.Y., Qian W.P., *ACS Appl. Materials & Interfaces*, 3, 6, 1873-1879 (2011).
1584. Im J., Singh J., Soares J.W., Steeves D.M., Whitten J.E., *J. of Physical Chemistry C*, 115 (21), 10518-10523 (2011).
1585. Herrera G.M., Félix H., Fierro P.M., Balaguera M., Pacheco L., Briano J.G., Marquez F., Hernández-Rivera S.P., *Proc. of SPIE*, 8031, art. no. 80312X (2011).
1586. Fukami K., Chourou M.L., Miyagawa R., Noval A.M., Sakka T., Manso-Silván M., Martín-Palma R.J., Ogata Y.H., *Materials*, 4 (4), 791-800 (2011).

1587. Hsiao W.H., Chen H.Y., Yang Y.C., Chen Y.L., Lee C.Y., Chiu H.T., *ACS Appl. Mater. Interfaces*, 3 (9), 3280–3284 (2011).
1588. Habouti S., Mátéfi-Tempfli M., Solterbeck C.-H., Es-Souni M., Mátéfi-Tempfli S., Es-Souni M., *Nano Today*, 6, 1, 12-19 (2011).
1589. He H., Cai W.P., Lin Y.X., Chen B.S., *Langmuir*, 26, 11, 8925- 8932 (2010).
1590. Wang Y., Ni Z., Hu H., Hao Y., Wong C.P., Yu T., Thong J.T.L., Shen Z.X., *Appl. Phys. Lett.*, 97 (16), art. no. 163111 (2010).
1591. Chen L.M., Luo L.B., Chen Z.H., Zhang M.L., Zapien J.A., Lee C.S., Lee S.T., *J. of Phys. Chem. C*, 114, 1, 93-100 (2010).
1592. Gutes A., Carraro C., Maboudian R., *ACS Appl. Mater. & Interfaces*, 1, 11 2551-2555 (2009).
1593. Goncalves G., Marques P.A.A.P., Granadeiro C.M., Nogueira H.I.S., Singh M.K., Grácio J., *Chemistry of Materials*, 21 (20), 4796-4802 (2009).
- B.I.163.** Nedyalkov N.N., Imamova S.E., **Atanasov P.A.**, Obara M., *Appl. Surf. Sci.*, 255, 5125-5129 (2009).
1594. Huang Y., Ma L., Li J., Zhang Z., *Nanotechnology*, 28(10), 105203 (2017).
1595. Tong Y., Shi L., Huang J., Wu X., *Intern. Symp. on Optoelectron. Tech. & Appl. 2016*, Intern. Soc. for Optics and Photonics, 1015315-1015315 (2016).
1596. Grochowska K., Siuzdak K., Śliwiński G., *European Journal of Inorganic Chemistry*, 2015 (7), 1275-1281 (2015).
1597. Yang Zih-Ying, Kuo-Ping Chen, *Optics Express*, 22, no. 11, 12737-12749 (2014).
1598. Askari A.A., Bahrampour A.R., *NANO: Brief Reports and Reviews*, 8, No. 1, 1350003-1-1350003-12 (2013).
1599. Rahimi L., Bahrampour A.R., Pepe G.P., *J. Phys. D: Appl. Phys.*, 45, 47, 475306 (2012).
1600. Grochowska K., Śliwiński G., *Solid State Phenomena*, 183, 81-88 (2012).
1601. Senoudi A.R., "Étude des propriétés optiques des nanostructures métal composite par la méthode des éléments finis", *PhD thesis*, 186 pgs., Uni. Tlemcen, Algeria (2012).
1602. Grochowska K., Śliwiński G., *Photonics Letters of Poland*, 3, 3, 101-103 (2011).
1603. Mustapha B., "Étude des Propriétés Optiques des Nanostructures Métal Composite par la Méthode des Eléments Finis", *PhD Thesis*, Université de Tlemcen, (2010).
- B.I.164.** Stankova N.E., Dimitrov I.G., Stoyanov T.R., **Atanasov P.A.**, Kovacheva D., *Appl. Surf. Sci.*, 255, 10, 5275-5279 (2009).
1604. Bouachiba Y., Bouabellou A., Hanini F., Taabouche A., Nezzari H., *IC-WNTD MI'14*, CSC Annaba, 1-6 (2015).
1605. Leshkov S., Kudrna P., Chichina M., Klusoň J., Picková I., Virostko P., Hubička Z., Tichý M., *Contributions to Plasma Physics*, 50 (9), 878-885 (2010).
1606. Remsa J., Jelínek M., Kocourek T., Mikšovský J., Studnicka V., Vorlíček V., Sváta V., Vymetalová V., *J. Optoelectron. & Advanced Mater.*, 12 (3), 754-757 (2010).
1607. Yahya Kh.Z., "Characterization of pure and dopant TiO₂ thin films for gas sensors applications", *PhD thesis*, School of Applied Sciences of the University of Technology, Tehran, Iran (2010).
1608. Kasikov A., "Optical characterization of inhomogeneous thin films", *PhD Thesis*, Dissertationes physicae Universitatis Tartuensiss, 152 pgs. (2010).
1609. Liu W.C., Yao Y.B., Lam C.Y., Ng C.S., Mak C.L., Wong K.H., Zhou W., Sooryakumar R., *J. Appl. Phys.*, 106, 7, N 073523 (2009).
1610. Leshkov S., Kudrna P., Chichina M., Pickova I., Tichy M., *WDS'09 Proc. of Contr. Papers II*, 238-242 (2009).
1611. Leshkov S., Kudrna P., Chichina M., Pickova I., Tichy M., *WDS'08 Proc. of Contr. Papers II*, 122-126 (2008).
- B.I.165.** Milev D.R., **Atanasov P.A.**, Dikovska A.Og., Dimitrov I.G., Petrov K.A., Avdeev G.V., *Appl. Surf. Sci.*, 255, 5284-5287 (2009).
1612. Antić Ž., Prashanthi K., Jovanović D., Ahadi K., Dramićanin M.D., Thundat T., *Thin Solid Films*, 638, 332-337 (2017).
1613. Wu M.L., Ren C.Z., *Applied Surface Science*, 327, 424-431 (2015).
1614. Alcaraz L., Isasi J., Fernández M., Díaz-Guerra C., *Materials Chemistry and Physics*, 145, 1-2, 18-26 (2014).
- B.I.166.** Nikolov A.S., **Atanasov P.A.**, Milev D.R., Stoyanov T.R., Deleva A.D., Peshev Z.J., *Appl. Surf. Sci.*, 255, 5351-5354 (2009).
1615. Johnny J., Sepulveda-Guzman S., Krishnan B., Avellaneda D., Shaji S., *Applied Surface Science*, 435, 1285-1295 (2018).
1616. Gavrilenko E.A., Biryukov A.A., *Nano Hybrids and Composites*, 13, 309-315 (2017).
1617. Guillén G.G., Shaji S., Palma M.M., Avellaneda D., Castillo G.A., Roy T.D., Gutiérrez D.G., Krishnan B., *Appl. Surf. Sci.*, 405, 183-194 (2017).
1618. Oshida Y., Guven Y., *Surface Coating and Modification of Metallic Biomaterials*, 287, 278-343 (2015).
1619. Zimbone M., Buccheri M.A., Cacciato G., Sanz R., Rappazzo G., Boninelli S., Reitano R., Romano L., Privitera V., Grimaldi M.G., *Applied Catalysis B: Environmental*, 165, 487–494 (2015).
1620. Popovic D.M., Chai J.S., Zekic A.A., Trtica M., Stasic J., Sarvan M., *Laser Physics Letters*, 11(11), 116101 (2014).
1621. Jandova V., Kupcik J., Bastl Z., Subrt J., Pola J., *Solid State Sciences*, 19, 104-109 (2013).
1622. Popovic D.M., Chai J.S., Zekic A.A., Trtica M., Momcilovic M., Maletic S., *Laser Phys. Lett.*, 10, 2, 026001 (2013).
1623. Al-Mamun Sh.A., Nakajima R., Ishigaki T., *J. of Colloid & Interface Science*, 392 (1), 172-182 (2013).
1624. Singh S.C., "Liquid-Assisted Pulsed Laser Ablation/Irradiation for Generation of Nanoparticles", in *Nanomaterials: Processing and Characterization with Lasers*, 317-437 (2012).
1625. Yan Z., Chrisey D.B., *J. of Photochemistry & Photobiology C: Photochemistry Rev.*, 13, 3, 204-223 (2012).
1626. Koshizaki N., Ishikawa Y., "Laser ablation in liquids: Principle and applications in the preparation of nanomaterials", 479-548 (2012).
1627. Zeng H., Du X.-W., Singh S.S., Kulnich S.A., Yang Sh., He J., Cai W., *Adv. Funct. Mater.*, 22, 7, 1333–1353 (2012).
1628. Fang H., Wang S.-L., Li L.-Q., Li P.-G., Liu A.-P., Tang W.-H., *Wuli Xuebao/Acta Physica Sinica*, 60 (9), art. no. 096102 (2011).
1629. Zhang H., Liang Ch., Tian Z., Liu J., Cai W., *Cryst. Eng. Comm.*, 13, 14, 4676-4682 (2011).
1630. Aberkane S.M., Boudjemai S., Kerdja T., *Advanced Materials Research*, 227, 62-66, (2011).
1631. Nath A., Laha S.S., Khare A., *Appl. Surf. Sci.*, 257 (7), 3118-3122 (2011).
1632. Nath A., Laha S.S., Khare A., *Integrated Ferroelectrics*, 121, 58-64 (2010).
1633. Niu K.Y., Yang J., Kulnich S.A., Sun J., Li H., Du X.W., *J. of the American Chemical Society*, 132 (28), 9814-9819 (2010).
1634. Barreca F., Acacia N., Barletta E., Spadaro D., Currò G., Neri F., *Appl. Surf. Sci.*, 256, 21, 6408-6412 (2010).
- B.I.167.** Dikovska A.Og., **Atanasov P.A.**, Dimitrov I.G., Imamova S.E., Vasilev T., *J. Optoelectronics & Advanced Mater.*, 11, No. 10, 1517-1520 (2009).
1635. Pandey R., Wie C.H., Lin X., Lim J.W., Kim K.K., Hwang D.K., Choi W.K., *Solar Energy Materials and Solar Cells*, 134, 5-14 (2015).
1636. Quang P.H., Sang N.D., Ngoc D.Q., *Thin Solid Films*, 520, 21, 6455-6458 (2012).
1637. Yu C., Chen L., Feng S., He D., Wang M., Hu L., *J. Wuhan Uni. of Technol., Materials Science Edition*, 27, 1, 54-57 (2012).
1638. Sang N.D., Quang P.H., Ngoc D.Q., *Communications in Physics*, 22(2), 155 (2012).
- B.I.168.** Stankova N.E., Dimitrov I.G., **Atanasov P.A.**, T. Sakano, Y. Yata, M. Obara, *Thin Solid Films*, 518, 4597–4602 (2010).
1639. Tian Y., Feng J., Bu Y., Wang X., Luo C., Sun M., *Analytical and Bioanalytical Chemistry*, 409, 16, 4071–4078 (2017).
1640. Sarafraz-Yazdi A., Rounaghi G., Vatani H., Razavipanah I., Amiri A., *Microchimica Acta*, 182 (1-2), 217-225 (2015).
1641. Banitaba M.H., Davaran S.S.H., Pourahadi A., *J. of Chromatography A*, 1283, 1-8 (2013).
1642. Ben Naceur J., Gaidi M., Bousbih F., Mechiakh R., Chtourou R., *Current Applied Physics*, 12, 2, 422-428 (2012).
1643. Moghaddam M.K., Sola F.F.I., *Journal of Phys. & Theoretical Chemistry*, 7 (4), 245-252 (2011).
1644. Guiyang Hai, Cui Ruili, cattle Lianjie, Tian Junfeng, *Electronic Components and Materials*, 1, 30-33 (2011).
- B.I.169.** Milev D.R., **Atanasov P.A.**, Dikovska A.Og., Dimitrov I.G., Petrov K.P., Avdeev G.V., *Thin Solid Films*, 518, 4726–4729 (2010).
1645. Cheng X., Su L., Wang Y., Zhu X., Wei X., Wang Y., *Optical Materials*, 34, 7, 1102-1106 (2012).
- B.I.170.** Nedyalkov N.N., Imamova S.E., **Atanasov P.A.**, Miyaniishi T., Obara M., *J. Optoelectronics & Advanced Mater.*, 12, No. 3, 484-489 (2010).
1646. Kornbluth M., Nitzan A., Seideman T., *J. Chem. Phys.*, 138, 17, 174707, 9 pgs. (2013).
1647. Russell A.G., McKnight M.D., Hestekin J.A., Roper D.K., *Langmuir*, 27 (12), 7799-7805 (2011).
- B.I.171.** Imamova S.E., Nedyalkov N.N., Dikovska A.O., **Atanasov P.A.**, Sawczak M., Śliwiński G., Jendrzewski R., Obara M., *J. Optoelectronics & Advanced Mater.*, 12, No. 3, 500-504 (2010).
1648. Lorenz P., Zhao X., Ehrhardt M., Zagoranskiy I., Zimmer K., Han B., In *Laser-based Micro-and Nanopros. XII*, Intern. Soc. for Optics and Photon., 10520, 105201K (2018).
1649. Lorenz P., Zagoranskiy I., Ehrhardt M., Bayer L., Zimmer K., *SPIE LASE*, Intern. Soc. for Optics and Photonics, 100921P-100921P (2017).
1650. Lorenz P., Grüner C., Frost F., Ehrhardt M., Zimmer K., *Applied Surface Science*, 418, B, 481-486 (2017).
1651. Lorenz P., Grüner C., Ehrhardt M., Bayer L., Zimmer K., *Physics Procedia*, 83, 62-73 (2016).
1652. Lorenz P., Zajadacz J., Ehrhardt M., Bayer L., Zimmer K., *SPIE LASE*, 9736, 97361K (2016).
1653. Lorenz P., Klöppel M., Smausz T., Csizmadia T., Ehrhardt M., Zimmer K., Hopp B., *Materials Research Express*, 2(2), 026501 (2015).
1654. Lorenz P., Zajadacz J., Bayer L., Ehrhardt M., Zimmer K., *Applied Surface Science*, 351, 935-945 (2015).
1655. Lorenz P., Klöppel M., Ehrhardt M., Zimmer K., Schwaller P., *Proc. SPIE*, 9351, 93511T (2015).
1656. Lorenz P., Klöppel M., Smausz T., Csizmadia T., Ehrhardt M., Zimmer, K., Hopp B., *Applied Surface Science*, 336, 176-181 (2015).
1657. Kukreja L.M., Verma S., Pathrose D.A., Rao B.T., *J. Phys. D: Appl. Phys.*, 47, 3, 034015 (2014).
1658. Lorenz P., Klöppel, M., Frost, F., Ehrhardt, M., Zimmer, K., Li, P., *Applied Surface Science*, 280, 933-939 (2013).

1659. Lorenz P., Klöppel M., Frost F., Ehrhardt M., Li P., Zimmer K., *Technical Proc. of the 2013 NSTI Nanotechnology Conf. and Expo, NSTI-Nanotech 2013*, 1, 686-689 (2013).
1660. Lorenz P., Frost F., Ehrhardt M., Zimmer K., *Applied Physics A: Materials Science and Processing*, 111, 4, 1025-1030 (2013).
- B.I.172.** Nedyalkov N., Imamova S., Atanasov P., Obara M., *J. of Phys.: Conference Series*, 223, 1-8, 012035 (2010).
1661. Nayfeh M. H., "Optics in Nanotechnology" in *Optics in Our Time*, Springer International Publishing, 223-264 (2016).
1662. Askari A.A., Bahrapour A.R., *NANO: Brief Reports and Reviews*, 8, No. 1, 1350003-1-1350003-12 (2013).
1663. Cheng H.-Y., Chiou J.-W., Ting J.-M., Chen J.-W., Lee J.-F., Tzeng Y., *Appl. Surf. Sci.*, 264, 202-206 (2013).
1664. Rahimi L., Bahrapour A.R., Pepe G.P., *J. Phys. D: Appl. Phys.*, 45, 47, 475306 (2012).
1665. Russell A.G., McKnight M.D., Hestekin J.A., Roper D.K., *Langmuir* 27 (12), 7799-7805 (2011).
- B.I.173.** Dikovska A.Og., Atanasova G.B., Nedyalkov N.N., Stefanov P.K., Atanasov P.A., Karakoleva E.I., Andreev A.Ts., *Sensors and Actuators B*, 146, 1, 331-336 (2010).
1666. Chen H.I., Hsiao C.Y., Chen W.C., Chang C.H., Chou T.C., Liu I.P., Lin K.W., Liu, W.C., *Sensors and Actuators B: Chemical*, 256, 962-967 (2018).
1667. Kaur P., Shenoy M.R., *IEEE Sensors Letters*, 2(1), 1-4 (2018).
1668. Fallah H., Afra M., Mohajerani E., Mohammad W.S., *Journal of Nanophotonics*, 11(3), 036023 (2017).
1669. Kaur P., Shenoy M.R. *arXiv preprint arXiv:1709.08815*. (2017).
1670. Ozcariz A., Zamarréño C.R., Zubiate P., Arregui F.J., *Scientific Reports*, 7 (2017).
1671. Liu D., Lian X., Mallik A.K., Han W., Wei F., Yuan J., Wu Q., *25th Intern. Conf. on Optical Fiber Sensors*, 103232W-103232W., Intern. Soc. for Optics & Photonics (2017).
1672. Wang Min, Liu Fu-Fei, Zhou Xian, Dai Yu-Tang, Yang Ming-Hong, *Acta Phys. Sin.*, 66(7), 70703-070703 (2017).
1673. Narasimman S., Balakrishnan L., Meher S.R., Sivacoumar R., Alex Z.C., *Journal of Alloys and Compounds*, 706, 186-197 (2017).
1674. Devendiran S., Sastikumar D., *Optics & Laser Technology*, 89, 186-191 (2017).
1675. Del Villar I., Arregui F.J., Zamarréño C.R., Corres J.M., Barrián C., Goicoechea J., Elosua C., Hernaez M., Rivero P.J., Socorro A.B., Urrutia A., *Sensors and Actuators B: Chemical*, 240, 174-185 (2017).
1676. Tang J., Zhou J., Guan J., Long S., Yu J., Guan H., Lu H., Luo Y., Zhang J., Chen Z., *IEEE J. of Selected Topics in Quant. Electron.*, 23(2), 1-8 (2017).
1677. Nassar M.Y., Amin A.S., Ahmed I.S., Abdallah S., *Journal of the Taiwan Institute of Chemical Engineers*, 64, 79-88 (2016).
1678. Liu D., Mallik A.K., Han W., Wei F., Sun L., Yuan J., Wu Q., *Optical Commun. & Networks (ICOON)*, 15th International Conference on, 1-3 IEEE (2016).
1679. Wang J., Zhang H., Cao Z., Zhang X., Yin C., Li K., Zhang G., Yu B., *Eighth Intern. Symp. on Advanced Optical Manufact. & Testing Tech. (AOMATT2016)*, Intern. Soc. for Optics and Photonics, 968516-968516 (2016).
1680. Zhong Y., Li S., Tang L., Chen Z., Yu J., Guan H., Lu H., Zhang Y., *Optical Engineering*, 55(10), 106123-106123 (2016).
1681. Liu D., Han W., Mallik A.K., Yuan J., Yu C., Farrell G., Semenova Y. Wu Q., *Optics Express*, 24(21), 24179-24187 (2016).
1682. Zakaria R., Mezher M.H., Chong W.Y., *Applied Physics A*, 122, 7, 1-7 (2016).
1683. Ahmad R., Tripathy N., Khan M.Y., Bhat K.S., Ahn M.S., Hahn Y.B., *RSC Adv.*, 2016, 6, 54836-54840 (2016).
1684. Rahman M.M., Hussein M.A., Alamry K.A., Al Shehry F.M., Asiri A.M., *Talanta*, 150, 71-80 (2016).
1685. Ahmad A., Mohd-Setapar S.H., Chuong C.S., Khatoun A., Wani W.A., Kumar R., Rafatullah M., *RSC Advances*, 5(39), 30801-30818 (2015).
1686. M. Eisa Abaker Adam, "Semiconductor nanostructures for device applications", *PhD thesis*, University of Patras, Greece, 198 pages (2015).
1687. Ong Y.S., Kam W., Harun S.W., Zakaria R., Mohammed W.S., *Photonics Journal, IEEE*, 7(5), 1-10 (2015).
1688. Chen T.Y., Chen H.I., Hsu C.S., Huang C.C., Wu J.S., Chou P.C., Liu W.C., *Sensors and Actuators B: Chemical*, 221, 491-498 (2015).
1689. Dar G.N., "Metal oxide nanostructures and their applications", *PhD thesis*, University of Patras, Greece, 173 pages(2015).
1690. Sharipour-Boushehri S., Hosseini-Golgoo S.M., Sheikhi M.H., *Optical Fiber Technology*, 24, 93-99 (2015).
1691. Lu H., Tian Zh., Yu H., Yang B., Jing G., Liao G., Zhang J., Yu J., Tang J., Luo Y., Chen Z., *Optics Express*, 22, 26, 32502-32508 (2014).
1692. Wen X.Y., Huang J., Xiao H., Yang M.H., *Measurement Science and Technology*, 25(11), 114002 (2014).
1693. Patil S.N., "Preparation and characterization of ZnO CuO and ZnO CuO films and their use to trace and monitor the H₂S gas", *PhD Thesis*, Shivaji Uni., Maharashtra, India, 154 pgs. (2014).
1694. Fallah H., Harun S.W., Mohammed W.S., Dutta J., *JOSA B*, 31(9), 2232-2238 (2014).
1695. Bora T., Fallah H., Chaudhari M., Apiwattanadej T., Harun S.W., Mohammed W.S., Dutta J., *Sensors and Actuators B: Chemical*, 202, 543-550 (2014).
1696. Faisal M., Khan S.B., Rahman M.M., Ismail A.A., Asiri A.M., Al-Sayari S.A., *J. of the Taiwan Institute of Chemical Engineers*, 45, 5, 2733-2741 (2014).
1697. Poole Z.L., Ohodnicki P., Chen R., Lin Y., Chen K.P., *Optics Express*, 22(3), 2665-2674 (2014).
1698. Rahman M.M., Khan S.B., Asiri A.M., *Microchimica Acta*, 181, 5-6, 553-563 (2014).
1699. Renganathan B., Ganesan A.R., *Optical Fiber Technology*, 20 (1), 48-52 (2014).
1700. Rashid A.R.A., Menon P.S., Shaari S., *Optoelectronics and Advanced Materials, Rapid Communications*, 7, 11-12, 835-839 (2013).
1701. Fallah H., Chaudhari M., Bora T., Harun S.W., Mohammed W.S., Dutta J., *Optics Letters*, 38, 8, 3620-3622 (2013).
1702. Ahmadi Babadi H.R., Yousefi M.H., Mazaheri A., Taheri R., Soraieia P., *Optics and Photonic Soc. of Iran*, 10-13 (2013).
1703. Rahman M.M., Khan S.B., Jamal A., Faisal M., Asiri A.M., Alamry K.A., Khan A., Khan A.A.P., Rub M.A., Azum N., Al-Youbi A.O., *Micro and Nanosystems*, 5, 1, 3-13 (2013).
1704. Tyszkiewicz C., Karasiński P., Rogoziński R., *Acta Physica Polonica A*, 122 (5), 915-920 (2012).
1705. Biro L., Alberto N., Pinto J.L., Nogueira R., *Sensors (Switzerland)*, 12 (9), 12184-12207 (2012).
1706. Zamarréno C. R., Matias I.R.; Arregui F. J., *Sensors Journal IEEE*, 12, 8, 2699-2710 (2012).
1707. Rahman M.M., Bahadar Khan S., Jamal A., Faisal M., Asiri A.M., *Chemical Engineering Journal*, 192, 122-128 (2012).
1708. Rahman M.M., Khan S.B., Jamal A., Faisal M., Asiri A.M., *Talanta*, 95, 18-24 (2012).
1709. Rahman M.M., Khan S.B., Jamal A., Faisal M., Asiri A.M., *Microchimica Acta*, 178, 1-2, 99-106 (2012).
1710. Dar G.N., Umar A., Zaidi S.A., Baskoutas S., Hwang S.D., Abaker M., Al-Hajry A., Al-Sayari S.A., *Talanta*, 89, 155-161 (2012).
1711. Biro L., Alberto N., Pintoand J.L., Nogueira R., *Sensors*, 12 (9), 12184-12207 (2012).
1712. Abaker M., Umar A., Baskoutas S., Dar G.N., Zaidi S.A., Al-Sayari S.A., Al-Hajry A., Kim S.H., Hwang S.W., *J. Phys. D: Appl. Phys.* 44 (42), art. no. 425401 (2011).
1713. Renganathan B., Sastikumar D., Gobi G., Yogamalar N. R., Bose A. C., *Optics & Laser Technology*, 43 (8), 1398-1404 (2011).
1714. Rahman M.M., Jamal A., Khan S.B., Faisal M., *Superlattices and Microstructures*, 50 (4), 369-376 (2011).
1715. Renganathan B., Sastikumar D., Gobi G., Yogamalar N.R., Bose A.C., *Sensors and Actuators, B: Chemical*, 156 (1), 263-270 (2011).
1716. Choi K.-I., Lee J.-H., *Science of Advanced Materials*, 3 (5) 811-820 (2011).
1717. Fu W.-H., Hsiao V.K.S., Tang J.-Y., Wu M.-H., Chen, Z., *Sensors and Actuators, B: Chemical*, 156 (1), 423-427 (2011).
1718. Khan S.B., Rahman M.M., Jang E.S., Akhtar K., Han H., *Talanta* 84 (4), 1005-1010 (2011).
1719. Rahman M.M., Jamal A., Khan S.B., Faisal M., *ACS Applied Materials & Interfaces*: 3, 4, 1346-1351 (2011)
1720. Kim K.J., Eom J.-H., Kim Y.-W., *Nippon Seramikkusu Kyokai Gakujutsu Ronbunshi/J. of the Ceramic Soc. of Japan*, 119 (1386) 136-139 (2011).
- B.I.174.** Naydenova Ts., Atanasov P., Koleva M., Nedialkov N., Perriere J., Defourneau D., Fukuoka H., Obara M., Baumgart Ch., Zhou Sh., Schmidt H., *Thin Solid Films*, 518, 19, 30, 5505-5508 (2010).
1721. El Khalidi Z., Comini E., Hartiti B., Moumen A., Arachchige H.M.M., Fadili S., Thevenin P., Kamal A., *Materials & Design*, 139, 56-64 (2018).
1722. Ilkhechi N.N., Ghobadi N., Yahyavi F., *Optical and Quantum Electronics*, 49(1), 39 (2017).
1723. Mhamdi A., Saafi I., Hendi A.A., Amlouk A., Boubaker K., Amlouk M., *Journal of Alloys and Compounds*, 691, 545-553 (2017).
1724. Medjnoun K., Djessas K., Gauffier J.L., Grillo S., Solhy A., Chehouani H., Essaleh L., *Renewable and Sustainable Energy Conference (IRSEC), 2016 International*, 40-45, IEEE (2016).
1725. Wu J., Li T., Qi T., Zhu B., Wang W., Wei D., Xie C., *Journal of Materials Science: Materials in Electronics*, 27(1), 163-170 (2016).
1726. Watanabe A., Chiba H., Kawashima T., Washio K., *Thin Solid Films*, 605, 73-76 (2016).
1727. Zargar R.A., Arora M., Ahmad M., Hafiz A.K., *Journal of Materials*, 2015, 1-7 (2015).
1728. Zhou C., Liu X., Li K., Lü T., *Optik-International Journal for Light and Electron Optics*, 126, 23, 4731-4734 (2015).
1729. Kumar P., Joshi R., Gaur A., Kumar L., Asokan K., *Materials Research Express*, 2(4), 045901 (2015).
1730. Liu L., Min M., Liu, F., Yin H., Zhang, Y., Qiu G., *Journal of Power Sources*, 277, 26-35 (2015).
1731. Jayalakshmi G., Saravanan K., Balasubramanian T., *Journal of Materials Science: Materials in Electronics*, 25, 5, 2024-2029 (2014).
1732. Ul Haq B., Ahmed R., Shaari A., Goumri-Said S., *J. Magnetism & Magnetic Mater.*, 362, 104-109 (2014).
1733. Adhyapak P.V., Meshram S.P., Pawar A.A., Amalnerkar D.P., Mulik U.P., Mulla, I.S., *Ceramics International*, 40, 8 PART A, 12105-12115 (2014).
1734. Akilan T., Srinivasan N., Saravanan R., *Journal of Materials Science: Materials in Electronics*, 25, 7, 2898-2904 (2014).
1735. Wan Z.-Z., Wan X.-L., Liu J.-P., Wang Q.-B., *Journal of Superconductivity and Novel Magnetism*, 27, 8, 1945-1950 (2014).
1736. Mendi R.T., Elahi S.M., Abolhassani M.R., *Modern Physics Letters B*, 28(31), 1450243 (2014).
1737. Joshi R., Kumar P., Gaur A., Asokan K., *Applied Nanoscience*, 4(5), 531-536. (2014).
1738. Akilan T., Srinivasan N., Saravanan R., Chowdury P., *Materials and Manufacturing Processes*, 29, 7, 780-788 (2014).

1739. Mamouni N., El Kenz A., Ez-Zahraouy H., Loulidi M., Benyoussef A., Bououdina M., *J. Magnetism & Magnetic Mater.*, 340, 86-90 (2013).
1740. Mhamdi A., Boukhachem A., Madani M., Lachheb H., Boubaker K., Amlouk A., Amlouk M., *Optik-Inter. J. for Light & Electron Optics*, 124 (18), 3764-3770 (2013).
1741. Gherouel D., Dabbous S., Boubaker K., Amlouk M., *Materials Sci. in Semiconductor Proces.*, 16 (6), 1434-1438 (2013).
1742. Çolak H., Türkoglu O., *J. of Mater. Sci.: Materials in Electronics*, 23, 9, 1750-1758 (2012).
1743. Wang Q.-B., Zheng G., Cheng Q.-L., Wan M., Wang X.-C., *Physica B: Condensed Matter*, 407, 4, 719-723 (2012).
1744. Wang Q., Zhou C., *Advance Mater. Res.*, 393-395, 15-19 (2012).
1745. Wang Q., Zhou C., *Advance Mater. Res.*, 393-395, 114-118 (2012).
1746. Mamouni N., Belaiche M., Benyoussef A., El Kenz A., Ez-Zahraouy H., Loulidi M., Saidi E.H., Hlil E.K., *Chinese Phys. B*, 20, 8, N: 087504 (2011).
1747. Chen Y., Zhao G., Ren Y., Wang Z., *Thin Solid Films*, 519, 6, 1985-1988 (2011).
- B.I.175.** Kuneva M., Tonchev S., Nesheva D., **Atanasov P.**, *Solid State Sciences*, 12, 11, 1870-1872 (2010).
1748. Fontana M.D., Bourson P., *Applied Physics Reviews*, 2(4), 040602 (2015).
- B.I.176.** **Atanasov P.A.**, Nedyalkov N.N., Imamova S.E., Miyaniishi T., Obara M., *Int. J. of Nanoparticles*, 3 (3), 206-219 (2010).
1749. Boriskina S.V., Cooper T.A., Zeng L., Ni G., Tong J.K., Tsurimaki Y., Chen G., *Advances in Optics and Photonics*, 9(4), 775-827 (2017).
1750. Boriskina S.V., Weinstein L.A., Tong J.K., Hsu W.C., Chen G., *ACS Photonics*, 3(9), 1714-1722 (2016).
1751. Boriskina S.V., Ghaseemi H., Chen G., *Materials Today*, 16 (10), 375-386 (2013).
- B.I.178.** Imamova S., Nedyalkov N., Dikovska A., **Atanasov P.**, Sawczak M., Jendrzewski R., Śliwiński G., Obara M., *Appl. Surf. Sci.*, 257 (3), 1075-1079 (2010).
1752. Ma C., Fu K., Trujillo M.J., Gu X., Baig N., Bohn P.W., Camden J.P., *The Journal of Physical Chemistry C*, 122, 20, 11031-11037 (2018).
1753. Maurya S.K., Uto Y., Kashihara K., Yonekura N., Nakajima T., *Applied Surface Science*, 427, B, 961-965 (2018).
1754. Shu H., Chang G., Wang Z., Li P., Zhang Y., He Y., *Analytical Sciences*, 31(7), 609-616 (2015).
1755. Honghui S.H.U., Chang G., Zhiqiang W.A.N.G., Pai L.I., Zhang Y., Yunbin H.E., *Analytical Sci.*, 31, 609-616 (2015).
1756. Panagiotopoulos N.T., Kalfagiannis N., Vasilopoulos K.C., Pliatsikas,N., Kassavetis S., Vourlias G., Karakassides M.A., Patsalas P., *Nanotechnology*, 26, 20, 205603 (2015).
1757. Zlenko V.O., "Структурні характеристики і магнітооптичні властивості масивів наночастинок Co і Ni, отриманих методом термодиспергування", *PhD Thesis*, Сумський Державний Університет, 167 pgs. (2014).
1758. Jia K., Khaywah M.Y., Li Y., Bijeon J.L., Adam P.M., Déturche R., Guelorget B., François M., Louarn G., Ionescu R.E., *ACS Applied Materials and Interfaces*, 6, 1, 219-227 (2014).
1759. Dai Y., He M., Bian H.D., Lu B., Yan X.N., Ma G.H., *Appl. Phys. A-Mater. Sci. & Process.*, 106, 3, 567-574 (2012).
1760. Li L., Hong M., Schmidt M., Zhong M., Malshe A., Huis In'Tveld B., Kovalenko V., *CIRP Annals - Manufacturing Technology* 60 (2), 735-755 (2011).
1761. Simo A., Joseph V., Fenger R., Kneipp J., Rademann K., *ChemPhysChem*, 12 (9), 1683-1688 (2011).
- B.I.189.** Nedyalkov N.N., Imamova S.E., **Atanasov P.A.**, Tanaka Y., Obara M., *J. of Nanopart. Res.*, 13, 3, 2181-2193 (2011).
1762. Lou Qianfeng, Liu Ziyuan, Xue Lei, Tao Haiyan, Lin Jingquan, *Precision Manufacturing*, 61, 6, 57-63 (2018).
1763. Marsico A.L.M., "Analysis of gold nanoparticles and their use with laser desorption/ionization mass spectrometry", *PhD Thesis*, Uni. of Massachusetts, 134 pgs. (2017).
1764. Tong Y., Shi L., Huang J., Wu X., in *Intern. Symp. on Optoelectron. Tech. and Appl.*, International Society for Optics and Photonics, 1015315-1015315 (2016).
1765. Pustovalov V.K., *RSC Advances*, 6(84), 81266-81289 (2016).
1766. Barchanski A., "Laser-generated functional nanoparticle bioconjugates: Design for application in biomedical science and reproductive biology", *PhD Thesis*, University of Duisburg-Essen, Faculty of Chemistry, Springer, 309 pgs. (2016).
1767. Krawinkel J., Torres-Mapa M. L., Werelius K., Heisterkamp A., Rüttermann S., Romanos G. E., Gerhardt-Szép S., *Materials*, 9(5), 397 (2016).
1768. Li L., Zhou L., Shan Y., Yang M., *Numerical Heat Transfer, Part A: Applications*, 69(8), 859-873 (2016).
1769. Terakawa M., *MST, Form Tech. Rew.*, 25, 99-103 (2015).
1770. Boutopoulos C., Hatf A., Fortin-Deschenes M., Meunier M., *Nanoscale*, 7(27), 11758-11765 (2015).
1771. Schomaker M., Heinemann D., Kalies S., Willenbrock S., Wagner S., Nolte I., Ripken T., Escobar H.M., Meyer H., Heisterkamp A., *Journal of Nanobiotechnology*, 13(1), 10 (2015).
1772. Flowers S., Zhoujin Yang, Su-Jin, *Journal of Southwest China Normal University*, 39, 5, 52-58 (2014).
1773. Shinohara T., Terakawa M., *Appl. Phys. A*, 116, 3, 1025-1031 (2014).
1774. Schomaker M., Killian D., Willenbrock S., Heinemann D., Kalies S., Ngezahayo A., Nolte I., Ripken T., Junghanß C., Meyer H., Escobar H.M., Heisterkamp A., *J. of Biophotonics*, 8 (8), 646-658 (2015).
1775. Schomaker M., Heinemann D., Kalies S., Willenbrock S., Murua E.H., Buch A., Sodeik B., Ripken T., Meyer H., *Proc. SPIE*, 8972, 897207 (2014).
1776. Boutopoulos C., Fortin-Deschènes M., Bergeron E., Michel Meunier M., *Proc. of SPIE*, 8972, 897208 (2014).
1777. Boutopoulos C., Kalpyris I., Serpetzoglou E., Zergioti I., *Microfluidics and Nanofluidics*, 16, 3, 493-500 (2014).
1778. Boulais E., Lachaine R., Hatf A., Meunier M., *J. of Photochemistry & Photobiology C: Photochemistry Reviews*, 17, 26-49 (2013).
1779. Kalies S., Heinemann D., Schomaker M., Birr T., Ripken T., Meyer H., *European Conf. on Biomedical Optics, Proc. SPIE*, 8803, 880309 (2013).
1780. Delaporte Ph., Grojo D., Boarino L., Charmasson L., De Leo N., Deepak K.L.N., Laus M., *Proc. SPIE*, 8770, 877002 (2013).
1781. Heinemann D., Schomaker M., Kalies S., Schieck M., Carlson R., Escobar H.M., Ripken T., Meyer H., Heisterkamp A., *PLOS ONE*, 8, 3, e58604, 1-9 (2013).
1782. Robitaille A., "Mécanismes d'ablation du silicium par laser ultrarapide amplifié par des nanostructures plasmoniques", *PhD diss.*, École Polytechnique de Montréal, 109 pgs. (2012).
1783. Boulais E., Lachaine R., Meunier M., *Nano Lett.*, 12 (9), 4763-4769 (2012).
1784. Rosenberg M., Petrie T.A., *Nanotechnology*, 23, 5, Number: 055103, DOI: 10.1088/0957-4484/23/5/055103 (2012).
1785. Amiri A.S., *Journal of Iranian Center for Medical Laser (ICML)*, 7 (3), 18-48 (2011).
- B.I.190.** Nedyalkov N.N., Imamova S.E., **Atanasov P.A.**, Toshkova R.A., Gardeva E.G., Yossifova L.S., Alexandrov M.T., Obara M., *Appl. Surf. Sci.*, 275, 5456-5459 (2011).
1786. Carrillo-Cazares A., Jiménez-Mancilla N.P., Luna-Gutiérrez M.A., Isaac-Olivé K., Camacho-López M.A., *J. of Nanomaterials*, 2017, ID 3628970, 1-9 (2017).
1787. Larson C., Li Y., Wu W., Reiser H., Wittig C., *The Journal of Physical Chemistry A*, 121 (26), 4968-4981 (2017).
1788. Marsico A.L.M., "Analysis of gold nanoparticles and their use with laser desorption/ionization mass spectrometry", *PhD Thesis*, Uni. of Massachusetts, 134 pgs. (2017).
1789. Gharatape A., Davaran S., Salehi R., Hamishehkar H., *RSC Advances*, 6(112), 111482-111516 (2016).
1790. Jiao Z., He P., *Journal of Nanoscience and Nanotechnology*, 16(8), 8622-8625 (2016).
1791. Haas K.M., Lear B., *Chem. Sci.*, 6, 11, 6462-6467 (2015).
1792. Attia Y.A., Flores-Arias M.T., Nieto D., Vazquez-Vazquez C., de la Fuente G.F., Lopez-Quintela M.A., *J. Phys. Chemistry C*, 119 (23), 13343-13349 (2015).
1793. Liu X., Chen H.J., Chen X., Alfadhil Y., Yu J., Wen D., *Applied Physics Reviews*, 2(1), 011103 (2015).
1794. Vedova P.D., Ilieva M., Zhurbenko V., Mateiu R., Faralli A., Dufva M., Hansen O., *Small*, 11, 2, 248-256 (2015).
1795. Kalies S., Birr T., Heinemann D., Schomaker M., Ripken T., Heisterkamp A., Meyer H., *Journal of Biophotonics*, 7, 7, 474-482 (2014).
1796. Taghvai H., "Investigation of nanoparticles for use in microwave systems in biomedicine", *MS Thesis*, Texas Uni., 87 pgs. (2013).
1797. Rahimi L., Bahrapour A.R., Pepe G.P., *J. Phys. D: Appl. Phys.*, 45, 47, 475306 (2012).
1798. Berry Jr K.R., Russell A.G., Blake P.A., Roper K.D., *Nanotechnology*, 23, 37, no. 375703 (2012).
1799. Zaarour L., Jradi S., Plain J., *META Conferences, META'12* (2012).
1800. Walker J.M., Gou L., Bhattacharyya S., Lindahl S.E., Zaleski J.M., *Chemistry of Materials*, 23 (23), 5275-5281 (2011).
- B.I.191** Nikolov A.S., Nedyalkov N.N., Nikov R.G., **Atanasov P.A.**, Alexandrov M.T., *Appl. Surf. Sci.*, 257, 5278-5282 (2011).
1801. Mahdieh M.H., Mozaffari H. *Physics Letters A*, 381(38), 3314-3323 (2017).
1802. Moura C.G., Pereira R.S.F., Andritschky M., Lopes A.L.B., de Freitas Grilo J.P., do Nascimento R.M., Silva F.S., *Optics & Laser Technology*, 97, 20-28. (2017).
1803. Mirzaei A., Janghorban K., Hashemi B., Bonyani M., Leonardi S.G., Neri G., *Journal of Nanostructure in Chemistry*, 7(1), 37-46 (2017).
1804. Bhojar J.V., "Investigation on the influence of underwater laser assisted micromachining process of NiTi (sheet) shape memory alloy", *MT Thesis*, Indian Institute of Technology Indore, India, 67 pgs. (2016).
1805. Lárez J., Castell R., Rojas C., *Revista Mexicana de Fisica*, 62 (3), 188-192 (2016).
1806. Mirzaei A., Janghorban K., Hashemi B., Neri G., *Journal of Nanoparticle Research*, 17(9), 1-36 (2015).
1807. Valverde-Alva M.A., García-Fernández T., Villagrán-Muniz M., Sánchez-Aké C., Castañeda-Guzmán R., Esparza-Alegria E., Herrera C.M., *Appl. Surf. Sci.*, 355, 341-349 (2015).
1808. Vicente Lucas G.deV., "Controlled migration of cells on mechanically, physically and chemically patterned biomaterials", *PhD Thesis*, Technischen Universität Berlin, 176 pgs. (2015).

1809. Abd El-kader F.H., Hakeem N.A., Elashmawi I.S., Menazea A.A., *Spectrochim. Acta A: Molecular and Biomolecular Spectroscopy*, 138, 331-339 (2015).
1810. Tangwarodomnukun V., Likhitangsuwat P., Tevinpibanphan O., Dumkum C., *Intern. J. of Machine Tools & Manufacture*, 89, 14-28 (2015).
1811. Solati E., Dorrani D., *Journal of Cluster Science*, 26, 727-742 (2015).
1812. Lopez-Simeon R., Abonce-Vazquez M.G., Hernandez-Guerrero M., *Revista Mexicana de Ingenieria Quimica*, 13, 1, 291-310 (2014).
1813. Saade J., "Síntese/fabricação e caracterização de micro e nanoestruturas para aplicação na fônica e plasmônica", *PhD Thesis*, Universidade Federal de Pernambuco, 134 pgs. (2013).
1814. Krstulović N., Shannon Sh., Stefanuik R., Fanara C., *The Intern. J. of Advanced Manufacturing Technology*, 69, 5-8, 1765-1773 (2013).
1815. Oseguera-Galindo D.O., Martinez-Benitez A., Chavez-Chavez A., Gomez-Rosas G., Perez-Centeno A., Santana-Aranda M.A., *J. of Nanoparticle Research*, 14, 9, 1-6 (2012).
1816. De Bonis A., Galasso A., Ibris N., Sansone M., Santagata A., Teghil R., *Surface and Coatings Technology*, 207, 279-285 (2012).
1817. Machmudah S., Sato T., Wahyudiono, Sasaki M., Goto M., *High Pressure Research*, 32, 1, 60-66 (2012).
- B.I.192.** Nikov R.G., Nikolov A.S., **Atanasov P.A.**, *Proc SPIE*, 7747, 774708_1-8 (2011).
1818. Hamad A., Li L., Liu Z., *Applied Physics A*, 120(4), 1247-1260 (2015).
- B.I.193** Grochowska K., Nedyalkov N., **Atanasov P.**, Śliwiński G., *Opto-electronics Review*, 19 (3), 327-332 (2011).
1819. Said Mahraz Z.A., Sahar M.R., Ghoshal S.K., *Materials Science Forum*, 846, 85-90 (2016).
1820. Grammatikopoulos S., Pappas S.D., Dracopoulos V., Pouloupoulos P., Fumagalli P., Velgakis M.J., Politis C., *J. of Nanoparticle Research*, 15, 2, 1446, 1-8 (2013).
- B.I.194.** Dikovska A.Og., Nedyalkov N.N., **Atanasov P.A.**, *Materials Sci. and Engineering B*, 176, 19, 1548-1551 (2011).
1821. Lynam F.M., "Growth and characterisation of Au colloid catalysed zinc oxide nanowires", *PhD Thesis*, University of Canterbury, 326 pgs. (2017).
1822. JDe Mesa J.A., Amo A.M., Miranda J.J.C., Salazar H.O., Sarmago R.V., Garcia W.O., *JLMN-J. of Laser Micro/Nanoengineering*, 11, No. 1, 21-24 (2016).
1823. Kilic M.E., "Structural properties of binary ZnO alloy nanosystems: molecular-dynamics simulations", *PhD Thesis*, Middle East Technical Uni., Turkey, 227 pgs. (2015).
1824. Alexeevich A.O., Anatolievich G.D., Genadievich Z.E., Michailovich A.A., Evgenievich V.Z., Evgenievich V.D., Vladimirovich S.A., Nikolaevich I.M., *Applied Mechanics and Materials*, 481, 55-59 (2014).
1825. Kim M.S., Nam G., Leem J.-Y., *J. of Nanosci. & Nanotech.*, 13, 5, 3582-3585 (2013).
1826. Palani I.A., Nakamura D., Okazaki K., Higashihata M., Okada T., *Materials Sci. and Engineering B: Solid-State Mater. for Advanced Tech.*, 176 (18), 1526-1530 (2011).
- B.I.195.** Amoroso S., Nedyalkov N.N., Wang X., Ausanio G., Bruzzese R., **Atanasov P.A.**, *J. Appl. Phys.*, 110, 12, 124303, 1-4 (2011).
1827. Mihailescu I.N., Ristoscu C., "Thin Films and Nanoparticles by Pulsed Laser Deposition: Wetting, Adherence, and Nanostructuring", in *Pulsed Laser Ablation*, 261-292, Pan Stanford (2018).
1828. Mihailescu I.N., Caricato A.P., "Femtosecond Laser Ablation of Solid Targets in Vacuum and Low-Pressure Gas Atmosphere" in *Pulsed Laser Ablation* 171-208, Pan Stanford (2018).
1829. Shih C.Y., Wu C., Wu H., Shugaev M.V., Zhigilei L.V., "Atomistic simulations of the generation of nanoparticles in short-pulse laser ablation of metals: Effect of background gas and liquid environments", *Pan Stanford Publishing Pte. Ltd.*, ch. 12, 421-466 (2018).
1830. Wang X.W., Kuchmizhak A.A., Li X., Juodkazis S., Vitrik O.B., Kulchin Y.N., Zhakhovsky V.V., Danilov P.A., Ionin A.A., Kudryashov S.I., Rudenko A.A., *Physical Review Applied*, 8(4), 044016 (2017).
1831. Hartley N.J., Ozaki N., Matsuoka T., Albertazzi B., Faenov A., Fujimoto Y., Habara H., Harmand M., Inubushi Y., Katayama T., Koenig M., *Applied Physics Letters*, 110(7), 071905 (2017).
1832. Scaramuzza S., Zerbetto M., Amendola V., *The Journal of Physical Chemistry C*, 120, 17, 9453-9463 (2016).
1833. Caricato A.P., Luches A., Martino M., "Laser fabrication of nanoparticles", *Handbook of Nanoparticles*, 407-428 (2016).
1834. Kiliyanamkandy A., "Femtosecond laser ablation of solid targets using Gaussian and vortex beams", *PhD Thesis*, Università degli Studi di Napoli Federico II, Italy, 121 pgs. (2015).
1835. Diwakar P.K., Harilal S.S., Phillips M.C., Hassanein A., *J. of Appl. Phys.*, 118(4), 043305 (2015).
1836. Maximova K., "Synthèse de nouveaux nanomatériaux par ablation laser ultra-brève en milieu liquide pour des applications biomédicales", *PhD Thesis*, Aix-Marseille Uni., 158 pgs. (2014).
1837. Rouleau C.M., Puzetzy A.A., Geohegan D.B., *Applied Physics Letters*, 105(21), 213108 (2014).
1838. Yang Q., Du G., Chen F., Wu Y., Si J., Hou X., *Zhongguo Jiguang/Chinese Journal of Lasers*, 41, 5, 23-28 (2014).
1839. Murphy R.D., Abere M.J., Schriber K.J.; Torralva B., Yalisove S.M., *Appl. Phys. Lett.*, 103, 9, 093113-093113-5 (2013).
1840. Hastrup N., O'Connor G.M., *Appl. Surf. Sci.*, i278, 86-91 (2013).
1841. Hastrup N., O'Connor G.M., *Appl. Phys. Lett.*, 101 (26), art. N: 263107 (2013).
1842. Norman G., Stanikov, S., Stegailov V., Fortov V., Skobelev I., Pikuz T., Faenov A., Tamotsu S., Kato Y., Ishino M., Tanaka M., Hasegawa N., Nishikino M., Ohba T., Kaihori T., Ochi Y., Imazono T., Fukuda Y., Kando M., Kawachi T., *J. Appl. Phys.*, 112, 1, 013104 (2012).
- B.I.196.** Nedyalkov N.N., Nikov Ru., Dikovska A.Og., **Atanasov P.A.**, Obara G., Obara M., *Appl. Surf. Sci.*, 258, 23, 9162-9166 (2012).
1843. Maurya S.K., Uto Y., Kashihiro K., Yonekura N., Nakajima T., *Applied Surface Science*, 427, Part B, 961-965 (2018).
1844. Noor A.M.M., Yokoyama S., "Preparation of graphite dispersed copper composite on surface of copper plate with carbon dioxide laser" (2017).
1845. Zlenko V.O., "Структурні характеристики і магнітооптичні властивості масивів наночастинок Co і Ni, отриманих методом термодиспергування", *PhD Thesis*, Сумський Державний Університет, 167 pgs.(2014).
1846. Chiu W.J., Ling T.K., Chiang H.P., Lin H.J., Huang C.C., *ACS Applied Materials & Interfaces*, 7 (16), 8622-8630 (2015).
1847. Delaporte Ph., Grojo D., Boarino L., Charmasson L., De Leo N., Deepak K.L.N., Laus M., *Proc. SPIE*, 8770, 877002 (2013).
- B.I.197.** Nikov R.G., Nikolov A.S., Nedyalkov N.N., Dimitrov I.G., **Atanasov P.A.**, Alexandrov M.T., *Appl. Surf. Sci.*, 258, 23, 9318-9322 (2012).
1848. Aldama-Reyna W., Agreda-Delgado J.F., Valverde-Alva M.A., Angelats-Silva L.M., *Intern. Journal of Applied Engineering Research*, 13(2), 1408-1414 (2018).
1849. Bao H., Zhang H., Zhou L., Liu G., Li Y., Cai W., *Langmuir*, 33(45), 12934-12942 (2017).
1850. Yang H., Chen C., Zhang G., Lan S., Chen H., Guo T., *ACS applied materials & interfaces*, 9(4), 3849-3856 (2017).
1851. Aroca R.F., "Plasmon-enhanced luminescence with shell-Isolated nanoparticles" in *Surface Plasmon Enhanced, Coupled and Controlled Fluorescence*, Wiley (2017).
1852. Bao H., Wang Y., Zhang H., Zhao Q., Liu G., Cai W., *Journal of Colloid and Interface Science*, 489, 92-99 (2017).
1853. Hamad A.H., Khashan K.S., Hadi A.A., Laser Ablation in Different Environments and Generation of Nanoparticles. In *Applications of Laser Ablation-Thin Film Deposition, Nanomaterial Synthesis and Surface Modification, InTech*, Ch. 8, 177-196 (2016).
1854. Abdulateef S.A., MatJafri M.Z., Seeni A., Omar A.F., Ahmed N.M., Mutter K.N., *IEEE 6th Intern. Conf. on Photonics (ICP)*, 1-3 (2016).
1855. Barchanski A., "Laser-generated functional nanoparticle bioconjugates: Design for application in biomedical science and reproductive biology", Springer, 309 pgs. (2016).
1856. Çiftçi H., Alver E., Çelik F., Metin A.Ü., Tamer U., *Microchimica Acta*, 183, 4, 1479-1486 (2016).
1857. Lárez J., Castell R., Rojas C., *Revista Mexicana de Física*, 62 (3), 188-192 (2016).
1858. Qi H., Liu D., Luo F., Teng L., Sun F., *Xiyou Jinshu Calliao Yu Gongcheng/Rare Metal Materials and Engineering*, 44 (4), 887-891 (2015).
1859. Wang Z., Zhu Y.A., *Chinese Journal of Chemical Engineering*, 23, 6, 1060-1063 (2015).
1860. Kassavetis S., Kaziannis S., Pliatsikas N., Avgeropoulos A., Karantzalis A.E., Kosmidis C., Lidorikis E., Patsalas P., *Appl. Surf. Sci.*, 336, 262-266 (2015).
1861. Solati E., Dorrani D., *Journal of Cluster Science*, 26, 3, 727-742 (2015).
1862. Lu L., Sevonkaev I., Kumar A., Goia D.V., *Powder Technology*, 261, 87-97 (2014).
1863. Maciulevičius M., Vinčiūnas A., Brikas M., Butsen A., Tarasenko N., Račiukaitis G., *Physics Procedia*, 41, 524-531 (2013).
- B.I.198.** Koleva M.E., Dikovska A.O., Nedyalkov N.N., **Atanasov P.A.**, Bliznakova I.A., *Appl. Surf. Sci.*, 258, 23, 9181-9185 (2012).
1864. Zhang K.X., Wen X., Yao C.B., Li J., Zhang M., Li Q.H., Wu J.D., *Chemical Physics Letters*, in press (2018).
1865. Samson D.O., Adeeko T.O., Makama E.K., *Int. J. Curr. Res. Aca. Rev.*, 5(12), 15-24 (2017).
1866. Lee J.S., Kim H., Algar W.R., *The Journal of Physical Chemistry C*, 121, 51, 28566-28575 (2017).
1867. Sreedharan R.S., Krishnan R.R., Kumar G.S., Kavitha V.S., Chalana S.R., Bose R.J., Pillai V.M., *Journal of Alloys and Compounds*, 721, 661-673 (2017).
1868. Yang L., Yan Y., Wang Q., Zeng Y., Liu F., Li L., Zhao Y., Jiang Y., *Optics Express*, 25(6), 6000-6014 (2017).
1869. Dhatshanamurthi P., Shanthi M., *International Journal of Hydrogen Energy*, 42(8), 5523-5536 (2017).
1870. Santangelo S., Spadaro S., Scibilia S., Mezzasalma A.M., Neri F., Fazio, E., *Journal of Luminescence*, 178, 204-209 (2016).
1871. Touam T., Boudjouan F., Chelouche A., Khodja S., Dehimi M., Djouadi D., Boudrioua A., *Optik-Intern. J. Light & Electron. Optics*, 126(24), 5548-5552 (2015).
1872. Machnev A.A., Shuliatjev A.S., Mironov A.E., Gromov D.G., Mitrokhin V., Mel'nikov I.V., Haus J.W., *SPIE OPTO*, 936420-936420 (2015).

1873. Shulyat'ev A.S., Machnev A.A., Gromov D.G., Trifonov A.Y., Mitrokhin V.P., Mel'nikov I.V., *Technical Physics Letters*, 41(5), 425-428 (2015).
1874. Han F., Yang S., Jing W., Wang L., Li L., Jiang Z., Gao F., *Journal of Nanoscience and Nanotechnology*, 15(5), 3796-3801 (2015).
1875. Rao G.T., Babu B., Stella R.J., Manjari V.P., Reddy C.V., Shim J., Ravikumar R.V.S.S.N., *Journal of Molecular Structure*, 1081, 254-259 (2015).
1876. Melnikov I.V., Haus J.W., Gromov D., Shulyat'ev A., Mironov A., Machnev A., Mitrokhin V., *Frontiers in Optics, OSA, FTU1E-6*, 1-3 (2014).
1877. Yan Y., Zeng Y., Wu Y., Zhao Y., Ji L., Jiang Y., Li L., *Optics Express*, 22(19), 23552-23564 (2014).
1878. Xu L., Zheng G., Lai M., Pei S., *Journal of Alloys and Compounds*, 583, 560-565 (2014).
1879. Абдулин X.A., Мукашев Б.Н., *Доклады НАН РК*, 2224, 5, 14-31 (2013).
1880. Park Y. R., Liu N., Lee C.J., *Current Applied Physics*, 13, 9, 2026-2032 (2013).
1881. Yun J., Kim J., Kojori H.Sh., Kim S.J., Tong Ch., Anderson W.A., *J. of Nanosci. and Nanotechnology*, 13 (8), 5547-5551 (2013)
1882. Chen L., Tran T.T., Huang C., Li J., Yang L., Cai Q., *Appl. Surf. Sci.*, 273, 82-88 (2013).
1883. Jolly Bose R., Vinod Kumar R., Sudheer S.K., Reddy V.R., Ganesan V., Mahadevan Pillai V.P., *J. Appl. Phys.*, 112, 11, 114311 (2012).
- B.I.199.** Atanasova G., Dikovska A.Og., Stankova M., Stefanov P., **Atanasov P.A.**, *J. Phys.: Conf. Ser.*, 356, 1, 012036 (2012).
1884. Choi A., Park J., Kang Y., Lee S., Kang Y.C., *Physica B: Condensed Matter*, 537, 251-257 (2018).
1885. Ghazai A.J., Wisam J.A., Yassen N.T., doi:10.20944/preprints201704.0017., 1, 1-10 (2017).
1886. Jama M.G., "Semiconductor Composites for Solid-State Lighting", Université de Bordeaux, *Ph.D. Thesis*, 207 pgs. (2016)
1887. Dang C., Gao B., *Journal of Luminescence*, 175, 82-87 (2016).
1888. Thakur V., Shivaprasad S.M., *Applied Surface Science*, 327, 389-393 (2015).
1889. Mali S.S., Kim H., Jang W.Y., Park H.S., Patil P.S., Hong C.K., *ACS Sustainable Chemistry and Engineering*, 1 (9), 1207-1213 (2013).
- B.I.200** Dikovska A.Og., Nedyalkov N.N., Imamova S.E., Atanasova G.B., **Atanasov P.A.**, *Quantum Electronics*, 42 (3), 258-261 (2012).
1890. Shaik U.P., Hamad S., Mohiddin M.A., Soma V.R., Krishna M.G., *Journal of Applied Physics*, 119(9), 093103 (2016).
1891. Zhao Q., Heng T.S., Guo C.X., Zhao D., Ding J., Lu, X., *RSC Advances*, 6(19), 15731-15734 (2016).
1892. Jayram N.D., Sonia S., Poongodi S., Kumar P.S., Masuda Y., Mangalaraj D., Ponpandian N., Viswanathan C., *Appl. Surf. Sci.*, 355, 969-977 (2015).
1893. Zhao K., Lin J., Guo L., *RSC Advances*, 5, 53524-53528 (2015).
- B.I.201.** Koleva M.E., Dikovska A.Og., Nedyalkov N.N., **Atanasov P.A.**, *Phys.: Conf. Ser.*, 356, 1, 012002 (2012).
1894. Santangelo S., Spadaro S., Scibilia S., Mezzasalma A.M., Neri F., Fazio E., *Journal of Luminescence*, 178, 204-209 (2016).
1895. Sharma S.K., Blanton T., Weston J., Khapli S., Jagannathan R., *The Journal of Supercritical Fluids*, 110, 176-182 (2016).
1896. Zhao Y., Li S., Zeng Y., Jiang Y., *APL Materials*, 3(8), 086103 (2015).
- B.I.202.** Nedyalkov N.N., **Atanasov P.A.**, Toshkova R.A., Gardeva E.G., Yossifova L.S., Alexandrov M.T., Karashanova D., *Progress in Biomedical Optics and Imaging – Proc. of SPIE*, 8427, art. no. 84272P (2012).
1897. Serafetinides A.A., Makropoulou M., Tsigaridas G.N., Gousetis A., *Proc. SPIE*, 9447, 94470V1-7 (2015).
1898. Bayer C.L., Kelvekar J., Emelianov S.Y., *Nanotechnology*, 24, no. 46, 465101 (2013).
1899. Boulais E., Lachaine R., Haté A., Meunier M., *J. of Photochemistry and Photobiology C: Photochemistry Reviews*, 17, 26-49 (2013).
1900. Zhu J., Gong T., Kopwithaya A., Hu R., Law W.C., Roy I., *RSC Adv.*, 3, 12280-12286 (2013).
- B.I.203.** Dikovska A.Og., Tsankov N.Ts., Toshkova R., Gardeva E., Yossifova L., Nedyalkov N.N., **Atanasov P.A.**, *Proc. SPIE*, 8424, 8424Q1-7 (2012).
1901. Belka R., Kęczkowska J., Kasińska J., *Photonics Appl. in Astronomy, Commun., Industry & High-Energy Phys. Exper.*, Intern. Soc. for Opt. and Photon., 1003106-1003106-8 (2016).
- B.I.204.** Nikolov A.S., Nedyalkov N.N., Nikov R.G., **Atanasov P.A.**, Alexandrov M.T., Karashanova D.B. *Appl. Phys. A*, 109, 2, 315-322 (2012)
1902. Aldama-Reyna W., Agreda-Delgado J.F., Valverde-Alva M.A., Angelats-Silva L.M., *Intern. J. of Applied Engineering Research*, 13(2), 1408-1414 (2018).
1903. Galindo D.O., Utreira O.H., Mejía R.M., Aranda M.Á., *JLMN-Journal of Laser Micro/Nanoengineering*, 11, 2, 158-163 (2016).
1904. Perito B., Giorgetti E., Marsili P., Muniz-Miranda M., *Beilstein Journal of Nanotechnology*, 7(1), 465-473 (2016).
1905. Chen S., Wang T., Li Y., Liang J., Wellburn D., Liu C., *Materials Research Express*, 2(1), 015018 (2015).
1906. kadhim AL-Ogaili A., Ali A.K., Ali T.H., *Eng. & Tech. Journal*, 33 (B), 3, 478-487 (2015).
1907. Navas M.P., Soni R.K., *Plasmonics*, 10, 3, 681-690 (2014).
1908. Chen S.Y., Wang J.H., Zhou X., Liang J., Liu C.S., *Applied Mechanics and Materials*, 670, 20-25 (2014).
- B.I.205.** Nedyalkov N.N., Dikovska A., Dimitrov I., Nikov Ru., **Atanasov P.A.**, Toshkova R.A., Gardeva E.G., Yossifova L.S., Alexandrov M.T., *Quantum Electronics*, 42 (12), 1123-1127 (2012).
1909. Molinaro C., El Harfouch Y., Palleau E., Eloi F., Marguet S., Douillard L., Charra F., Fiorini-Debuisschert C., *J. Phys. Chem. C*, 120(40), 23136-23143 (2016).
1910. Molinaro C., Harfouch Y.E., Palleau E., Eloi F., Marguet S., Douillard L., Charra F., Fiorini-Debuisschert C., *arXiv preprint arXiv:1606.05511* (2016).
1911. D'Acunto M., Dinarelli S., Cricenti A., Luce M., *Nanospectroscopy*, 1(1), 97-105 (2015).
1912. Cricenti, A., Luce M., Moroni D., Salvetti O., D'Acunto M., *Opto-Electronics Review*, 23(1), 39-45 (2015).
1913. D'Acunto M., Cricenti A., Luce M., Dinarelli S., *Computer Modelling & New Technologies*, 19(1A), 29-34 (2014).
- B.I.206.** Grochowska K., Śliwiński G., Iwulka A., Sawczak M., Nedyalkov N., **Atanasov P.**, Obara G., Obara M., *Plasmonics*, 8, 1, 105-113 (2013)
1914. Heinz M., Srabionyan V.V., Avakyan L.A., Bugaev A.L., Skidanenko A.V., Pryadchenko V.V., Bugaev L.A., *Journal of Alloys and Compounds*, 736, 152-162 (2018).
1915. Ebrahimpour Z., Mansour N., *Plasmonics*, 1-8 (2017).
1916. Lee S.K., Sori Hwang, Yoon-Kee Kim, Yong-Jun Oh, *Beilstein J. Nanotechnol.*, 8, 1049-1055 (2017).
1917. Ebrahimpour Z., Mansour N., *Applied Surface Science*, 394, 240-247 (2017).
1918. Стеценко М.О., "Ефекти плазмонних резонансних взаємодій в наноструктурованих плівках в модуляційно-поляризаційному представленні", *PhD Thesis*, Інститут Фізики напівпровідників, України, 178 pgs. (2016).
1919. Rudenko A., Colombier J.P., Itina T.E., *SPIE LASE*, 97370L-97370L (2016).
1920. Prakash J., Kumar V., Kroon R.E., Asokan K., Rigato V., Chae K.H., Swart H.C., *Physical Chemistry Chemical Physics*, 18(4), 2468-2480 (2016).
1921. Siozios A., Koutsogeorgis D.C., Lidorikis E., Dimitrakopoulos G.P., Pliatsikas N., Vourlias G., Kehagias T., Komninou P., Cranton W., Kosmidis C., Patsalas P., *Journal of Physics D: Applied Physics*, 48(28), 285306 (2015).
1922. de Vreede L.J., Albert van den Berg, Jan C. T. Eijkel, *Nano Lett.*, 15 (1), 727-731 (2015).
1923. Waskerow S., "Fabrication and Characterisation of Silver-Glass Nanocomposites", *PhD Thesis*, University of Dundee, 170 pgs. (2014).
1924. Kukreja L.M., Verma S., Pathrose D.A., Rao B.T., *J. Phys. D: Appl. Phys.* 47, 3, 034015 (2014).
- B.I.207.** Nikov Ru., Nedyalkov N., **Atanasov P.A.**, Terakawa M., Shimizu H., Obara M., *Appl. Surf. Sci.*, 264, 779-782 (2013).
1925. Suresh V., Ding L., Chew A.B., Yap F.L., *ACS Applied Nano Materials*, 1 (2), 886-893 (2018).
1926. Shaban M., *Journal of Spectroscopy*, 2016, 5083482, 8 pages (2016).
1927. Baba T., Lee Y., Ueno A., Maeda E., Takigawa R., *J. of Vacuum Sci. and Technol. B: Nanotech. & Microelectronics*, 34 (1), 011802 (2016).
1928. Sharain Liew Yen Ling, "Low Temperature Fabrication of an Indium-Free Dye-Sensitized Solar Cell: Based on Commercially Available Polymer Substrates", *PhD Thesis*, The University of Auckland, 184 pgs.(2015).
1929. Shaban M., *Journal of Nanomaterials*, 2015, Article ID 347486, 9 pgs. (2015).
- B.I.208.** Koleva M.E., Dikovska A.Og., Nedyalkov N.N., **Atanasov P.A.**, Atanasova G.B., *Proc of SPIE*, 8770, 877007-877007 (2013).
1930. Kavetsky T.S., Nuzhdin V.I., Valeev V.F., Osin Y.N., Stepanov A.L., *Technical Physics Letters*, 41 (6), 537-539 (2015).
1931. Khan A., Khan S., Fawad U., Mujahid M., Khasim S., Hamdalla T., Kim H.J., *Journal of Nanoelectronics & Optoelectronics*, 10(5), 700-704 (2015).
1932. Shulyat'ev A.S., Machnev A.A., Gromov D.G., Trifonov A.Y., Mitrokhin V.P., Mel'nikov I.V., *Technical Physics Letters*, 41(5), 425-428 (2015).
- B.I.209.** Nikov R.G., Nikolov A.S., Nedyalkov N.N., **Atanasov P.A.**, Alexandrov M.T., Karashanova D.B., *Appl. Surf. Sci.*, 274, 105-109 (2013).
1933. Liu Z., Cai J., Wang Q., Liu L., Zou G., *Appl. Surf. Sci.*, 445, 216-231, (2018).
1934. Rivera J., Aldama W., Mejía E., *Revista Ciencia y Tecnología*, 12(2), 77-89. (2017).
1935. Rafique M., Rafique M.S., Butt S.H., Kalsoom U., Afzal A., Anjum S., Usman A., *Optik-International J. for Light and Electron Optics*, 134, 140-148 (2017).
1936. Jiménez Ruiz Aila, "Reacciones electroquímico-luminiscentes y parámetros cie lab: estudio de la interacción de especies biomédicas en dendrímeros y nanopartículas", *PhD Thesis*, Universidad de Sevilla, 243 pgs. (2016).
1937. Valverde-Villa M.A., García-Fernández T., Villagrán-Muniz M., Sánchez-Aké C., Castañeda-Guzmán R., Esparza-Alegría E., Herrera C.M., *Appl. Surf. Sci.*, 355, 341-349 (2015).
1938. Jimenez-Ruiz A., Perez-Tejeda P., Grueso E., Castillo P.M., Prado-Gotor R., *Chemistry-A European Journal*, 21, 27, 9596-9609, (2015).
1939. Hojabri A., Hajakbari F., Debashi Shoreh M., *NanoCon 2014*: Nov 5th-7th, Brno, Czech Republic, 6 pgs. (2014).

1940. De Bonis A., Sansone M., D'Alessio L., Galasso A., Santagata A., Teghil R., *J. of Phys. D: Appl. Phys.*, 46, 44, 445301 (2013).
- B.I.213.** Nikolov A.S., Nikov R.G., Dimitrov I.G., Nedyalkov N.N., **Atanasov P.A.**, Alexandrov M.T., Karashanova D.B., *Appl. Surf. Sci.*, 280, 55-59 (2013).
1941. Aldama-Reyna W., Agreda-Delgado J.F., Valverde-Alva M.A., Angelats-Silva L.M., *Intern. Journal of Applied Engineering Research*, 13(2), 1408-1414 (2018).
1942. Moura C.G., Pereira R.S.F., Andritschky M., Lopes A.L.B., de Freitas Grilo J.P., do Nascimento R.M., Silva F.S., *Optics & Laser Technology*, 97, 20-28 (2017).
1943. Wang J., Chen H., Chen Z., Chen Y., Guo D., Ni M., Liu S., Peng C., *Materials Science and Engineering: C*, 63, 142-149 (2016).
1944. Du J., Li X., Zhao H., Zhou Y., Wang L., Tian S., Wang Y., *International journal of pharmaceuticals*, 495(2), 738-749 (2015).
1945. kadhim AL-Ogaili A., Ali A.K., Ali T.H., *Eng. & Tech. Journal*, 33 (B), 3, 478-487 (2015).
1946. Lee J., Jang D.J., *RSC Advances*, 5(79), 64268-64273 (2015).
1947. Kassavetis S., Kaziannis S., Pliatsikas N., Avgeropoulos A., Karantzas A.E., Kosmidis C., Lidorikis E., Patsalas P., *Appl Surf. Sci.*, 336, 262-266 (2015).
1948. He H., Li H., Xia W., Shen X., Zhou M., Han J., Zeng X., Cai W., *Journal of Materials Chemistry C*, 3, 1724-1731 (2015).
- B.I.214.** Hirano K., Shimizu H., Enami T., Terakawa M., Obara M., Nedyalkov N.N., **Atanasov P.A.**, *J. of Nanotechnology in Diagnosis and Treatment*, 1, 2-10 (2013).
1949. De Sio L., Placido T., Comparelli R., Curri M.L., Striccoli M., Tabiryan N., Bunning T.J., *Progress in Quantum Electronics*, 41, 23-70 (2015).
1950. Serafetinides A.A., Makropoulou M., Tsigaridas G.N., Gousetis A., *Proc. SPIE*, 9447, 94470V (2015).
1951. Song H., Wong T.I., Sadovoy A.V., Wu L., Bai P., Deng J., Guo S., Wang Y., Knoll W., Zhou X., *Lab on a Chip*, 15, 253-263 (2015).
- B.I.215.** Balansky R., Longobardi M., Ganchev G., Ilcheva M., Nedyalkov N., **Atanasov P.**, Toshkova R., De Flora S., Izzotti A., *Mutation Research - Fundamental & Molecular Mechanisms of Mutagenesis*, 751, 42-48 (2013).
1952. Mudzhiri N.M., Zakhidov S.T., Rudoy V.M., Dement'eva O.V., Makarov A.A., Makarova I.V., Marshak T.L., *Biology Bulletin*, 45, 2, 119-125 (2018).
1953. Pandey R.K., Prajapati V.K., *International Journal of Biological Macromolecules*, 107, PartA, 1278-1293 (2018).
1954. Joshi M.D., *Therapeutic Delivery*, 8, No. 12 (2017).
1955. Zhang Y., Wu J., Feng X., Wang R., Chen A., Shao L., *Expert Opinion on Drug Metabolism & Toxicology*, in press, 1-13 (2017).
1956. Pandey R.K., Prajapati V.K., *International Journal of Biological Macromolecules*, in press (2017).
1957. Dusinska M., Tulincka J., El Yamani N., Kuricova M., Liskova A., Rollerova E., Ruden-Pran E., Smolkova B., *Food & Chemical Toxicology*, 109, 797-811 (2017).
1958. Wong B.S.E., Hu Q., Baeg G.H., *Food and Chemical Toxicology*, 109, 746-752 (2017).
1959. Smolkova B., Dusinska M., Gabelova A., *Food and Chemical Toxicology*, 109, 780-796 (2017).
1960. Zakhidov S.T., Mudzhiri N.M., Rudoy V.M., Dement'eva O.V., Makarov A.A., Zelenina I.A., Marshak T.L., *Biology Bulletin*, 44(3), 233-236 (2017).
1961. Dimitriou N.M., Tsekenis G., Balanikas E.C., Pavlopoulou A., Mitsiogianni M., Mantso T., Panayiotidis M.I., *Pharmacology & Therapeutics*, in press (2017).
1962. Ghosh M., Oner D., Duca R.C., Cokic S., Seys S., Kerkhofs S., Van Landuyt K., Hoet P., Godderis L., *Mutation Research/Fundamental and Molecular Mechanisms of Mutagenesis*, 796, 1-12 (2017).
1963. Ema M., Okuda H., Gamo M., Honda K., *Reproductive Toxicology*, 67, 149-164 (2017).
1964. Sierra M.I., Valdés A., Fernández A.F., Torrecillas R., Fraga M.F., *International Journal of Nanomedicine*, 11, 6297-6306 (2016).
1965. Xia Q., Li H., Xiao K., *Current Drug Metabolism*, 17(9), 849-861 (2016).
1966. Ng C.T., Li J.E.J., Balasubramanian S.K., You F., Yung L.Y.L., Bay B.H., *ACS Biomaterials Science & Engineering*, 2(11), 1959-1967 (2016).
1967. Patil N.A., Gade W.N., Deobagkar D.D., *International Journal of Nanomedicine*, 11, 4509 (2016).
1968. Gao Bin, *Chinese Journal of Medical Imaging*, 24(6), 468-470 (2016).
1969. Teng C., Wang Z., Yan B., *Birth Defects Research Part C: Embryo Today: Reviews*, 108, 3, 196-206 (2016).
1970. Zou Y., Li Q., Jiang L., Guo C., Li Y., Yu Y., Li Y., Duan J., Sun, Z., *PLoS one*, 11(6), e0158475 (2016).
1971. Lim W.Q., Gao Z., *Nano Today*, 11 (2), 168-188 (2016).
1972. Lu X., Miousse I.R., Pirela S.V., Melnyk S., Koturbash I., Demokritou P., *Nanotoxicology*, 10, 2, 140-150 (2016).
1973. Gonzalez L., Kirsch-Volders M., *Mutation Research/Reviews in Mutation Research*, 768, 14-26 (2016).
1974. Iavicoli I., Leso V., Schulte P.A., *Toxicology and Applied Pharmacology*, 299, 112-124 (2016).
1975. Ema M., Gamo M., Honda K., *Toxicology and Applied Pharmacology*, 299, 47-52 (2016).
1976. Rinaldo M., "Particules ultra-fines et santé: caractérisation des particules ultra-fines dans l'air et dans les tissus humains", PhD diss., Bordeaux, (2015).
1977. Desaulniers D., Al-Mulla F., Al-Temaimi R., Amedei A., Azqueta A., Bisson W.H., Brown D., Brunborg G., Charles A.K., Chen T., Colacci A., Darrouri F., Forte S., Gonzalez L., Hamid R.A., Knudsen L.E., Leyns L., De Cerain Salsamendi A.L., Memeo L., Mondello C., Mothersill C., Olsen A.-K., Pavanello S., Raju J., Rojas E., Roy R., Ryan E., Ostrosky-Wegman P., Salem H.K., Scovassi I., Singh N., Vaccari M., Van Schooten F.J., Valverde M., Woodrick J., Zhang L., Van Larebeke N., Kirsch-Volders M., Collins A.R., Langie S.A.S., Koppen G., *Carcinogenesis*, 36, S61-S88 (2015).
1978. Langie S.A., Koppen G., Desaulniers D., Al-Mulla F., Al-Temaimi R., Amedei A., Collins A.R., *Carcinogenesis*, 36 (Suppl 1), S61-S88. (2015).
1979. Keelan J.A., Leong J.W., Ho D., Iyer K.S., *Nanomedicine*, 10 (14), 2229-2247 (2015).
1980. Goodson W.H., Lowe L., Carpenter D.O., Gilbertson M., Ali A.M., de Cerain Salsamendi A.L., Lasfar A., Carnero A., Azqueta A., Amedei A., Charles A.K., Collins A.R., Ward A., Salzberg A.C., Colacci A., Olsen A.-K., Berg A., Barclay B.J., Zhou B.P., *Carcinogenesis*, 36, S254-S296 (2015).
1981. Vrijens K., Bollati V., Nawrot T.S., *Environmental Health Perspectives*, 123, 5, 399-411 (2015).
1982. Cabuzo D., Cirja A., Puiu R., Grumezescu A.M., *Current Topics in Medicinal Chemistry*, 15 (16), 1605-1613 (2015).
1983. Pulliero A., Wu Y., Fenoglio D., Parodi A., Romani M., Soares C.P., Filaci G., Lee J.L., Sinkam P.N., *Carcinogenesis*, 36, 3, 368-377 (2015).
1984. Smolkova B., El Yamani N., Collins A.R., Gutleb A.C., Dusinska M., *Food and Chemical Toxicology*, 77, 64-73 (2015).
1985. Di Bucchianico S., Migliore L., Marsili P., Vergari C., Giammanco F., Giorgetti E., *Journal of Nanoparticle Research*, 17 (5), 14pgs (2015).
1986. Shyamasundar S., Ng C.T., Lanry Yung L.Y., Dheen S.T., Bay B.H., *Epigenomics*, 7 (3), 395-411 (2015).
1987. Des Marais T.L., Costa M., "Genotoxicity and Epigenetic Modifications in Response to Atmospheric and Engineered Nanoparticles", Wiley, eLS (2014).
1988. Song Y., Guan R., Lyu F., Kang T., Wu Y., Chen X., *Mutation Research/Fundamental and Molecular Mechanisms of Mutagenesis*, 769, 113-118 (2014).
1989. Bonadio R.S., "Perfil de metilação global de DNA em células MCF-7 e MCF-10A após exposição transitente de nanopartículas de maghemita funcionalizadas com citrato", *Dissertação (Mestrado em Nanociências e Nanobiotecnologia)* - Universidade de Brasília, Brasília (2014).
1990. Tortiglione C., *Nanomedicine*, 9, 18, 2829-2841 (2014).
1991. Kappil M., Chen J., *Current Opinion in Pediatrics*, 26, 2, 243-251 (2014).
1992. Yao Y., Costa M., *Journal of Molecular and Genetic Medicine*, 7(4), 86, 1-6 (2013).
1993. Collodel G., Terzuoli G., Mazzi L., Pascarelli N.A., Renieri T., Moretti E., *The Open Andrology Journal*, 13, 5, 10-15 (2013).
- B.I.216.** Amoroso S., Nedyalkov N. N., Wang X., Ausanio G., Bruzzese R., **Atanasov P.A.**, *Thin Solid Films*, 550, 190-198 (2014).
1994. Mihailescu I.N., Caricato A.P., "Femtosecond Laser Ablation of Solid Targets in Vacuum and Low-Pressure Gas Atmosphere" in *Pulsed Laser Ablation*, Pan Stanford, 171-208, (2018).
1995. Caricato A.P., György E., "MAPLE Deposition of Nanomaterials", in *Pulsed Laser Ablation*, Ch. 6, 37 pgs. (2018).
1996. Wang X.W., Kuchmizhak A.A., Li X., Juodkazy S., Vitrik O.B., Kulchin Y.N., Zhakhovsky V.V., Danilov P.A., Ionin A.A., Kudryashov S.I., A. A. Rudenko, Inogamov N.A., *Physical Review Applied*, 8(4), 044016 (2017).
1997. Miloshevsky A., Phillips M.C., Harilal S.S., Dressman P., Miloshevsky G., *Physical Review Materials*, 1(6), 063602 (2017).
1998. Gontad F., Caricato A. P., Cesaria M., Resta V., Taurino A., Colombelli A., Leo C., Klini A., Manousaki A., Convertino A., Rella R., Martino M., Perrone A., *Applied Surface Science*, 418, Part B, 430-436 (2017).
1999. Karkalos N.E., Markopoulos P.A., *Current Nanoscience*, 13(1), 3-20 (2017).
2000. Girault M., Le Garrec J.L., Mitchell J.B.A., Jouvard J.M., Carvou E., Menneveux J., Pillon G., *Applied Surface Science*, 374, 132-137 (2016).
2001. Scaramuzza S., Zerbetto M., Amendola V., *The Journal of Physical Chemistry C*, 120, 17, 9453-9463 (2016).
2002. Funari R., "High sensitive sensing by effective immobilization of UV photo-activated antibodies", *PhD Thesis*, Università degli Studi di Napoli Federico II, 112 pgs (2015).
2003. Girault M., Le Garrec J.L., Mitchell J.B.A., Jouvard J.M., Carvou E., Menneveux J., Yu J., Ouf F.-X., Carles S., Potin V., Pillon G., Bourgeois S., Perez, J., Marco De Lucas M.C., Lavisie L., *Applied Surface Science*, 374, 132-137 (2015).
2004. Schrider K.J., Torralva B., Yalisove S.M., *Applied Physics Letters*, 107(12), 124101 (2015).
2005. Kiliyanamkandy A., "Femtosecond laser ablation of solid targets using Gaussian and vortex beams", *PhD Thesis*, Università degli Studi di Napoli Federico II, Italy, 121 pgs. (2015).
2006. Kitching M., Ramani M., Marsili E., *Microbial biotechnology*, 8 (6), 904-917 (2015).
2007. Rouleau C.M., Puzetky A.A., Gehegan D.B., *Applied Physics Letters*, 105(21), 213108 (2014).
2008. Isac L., Enesca A., Mihoreanu C., Perniu D., Duta A., *Sustainable Energy in the Built Envir.-Steps Towards nZEB*, Springer Intern. Pub., 279-298 (2014).
- B.I.218.** **Atanasov P.A.**, Nedyalkov N.N., Dikovska A.Og., Nikov Ru., Amoroso S., Wang X., Bruzzese R., Hirano K., Shimizu H., Terakawa M., Obara M., *Phys.: Conf. Ser.*, 514, 012024, 1-8 (2014).
2009. Mehra, R. K., Aron, K. P., Bleile, D. M., Walker, J., & Cuesico, C., *U.S. Patent No. 9,921,218*. Washington, DC: U.S. Patent and Trademark Office (2018).
2010. Urrutia A., Goicoechea J., Rivero P.J., Pildain A., Arregui F.J., *Sensors and Actuators B: Chemical*, 255, 2105-2112 (2018).

2011. Mehra R., Chiang V., Aron K., Frisz J., *U.S. Patent Application No. 15/228,491* (2017).
2012. geev E.I., Aminov I.R., Baranov M.A., Golubev Y.D., Odintsova G.V., Varlamov P.V., *Optical and Quantum Electronics*, 49(2), 56 (2017).
2013. Areizaga-Martinez H.I., Kravchenko I., Lavrik N.V., Sepaniak M.J., Hernández-Rivera S.P., De Jesús M.A., *Applied Spectroscopy*, 70 (9), 1432-1445 (2016).
2014. Rebollar E., Hernández M., Sanz M., Pérez S., Ezquerro T.A., Castillejo M., *Journal of Applied Polymer Science*, 132, 45, 42770 (2015).
- B.I.219.** Nikolov A.S., Nedyalkov N.N., Nikov R.G., Dimitrov I.G., **Atanasov P.A.**, Maximova K., Delaporte Ph., Kabashin A., Alexandrov M.T., Karashanova D.B., *Appl. Surf. Sci.*, 302, 243-249 (2014).
2015. Qu J., "Atom-Scale Insights into III-V Semiconductor Nanowires", *PhD Thesis*, Uni. of Sydney, 105 pgs. (2017).
2016. Musaev O.R., Sutter E.A., Wrobel J.M., Kruger M.B., *Applied Physics A* 122, no. 2, 1-5 (2016).
2017. Darwish A.M., Eisa W.H., Shabaka A.A., Talaat M.H., *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 155, 315-320 (2016).
2018. Qu J., Ringer, S., Zheng R., *Materials Sci. in Semiconductor Process.*, 40, 2956, 896-909 (2015)
2019. Fan Y., Fang Y., Chen H., Gao D., *Gaodeng Xuexiao Huaxue Xuebao/Chemical Journal of Chinese Universities*, 35 (9), 1933-1940 (2014).
- B.I.221.** Koleva M.E., Nedyalkov N.N., **Atanasov P.A.**, *Phys.: Conf. Ser.*, 514, 012031, 1-4 (2014).
2020. Sardar D., Maity J., Ghosalya M.K., Gopinath C.S., Bala T., *Materials Research Express*, 4(5), 055011 (2017).
2021. Čiegis A., Kopustinskias V., Meskinis Š., Vasiliauskas A., *Materials Science*, 22(4), 481-485 (2016).
2022. Santangelo S., Spadaro S., Scibilia S., Mezzasalma A.M., Neri F., Fazio E., *Journal of Luminescence*, 178, 204-209 (2016).
- B.I.222.** Dikovska A.Og., Koleva M.E., Atanasova G.B., Stoyanchov T.R., Nedyalkov N.N., **Atanasov P.A.**, *Phys.: Conf. Ser.*, 514, 012032, 1-4 (2014).
2023. Kasar C.K., Sonawane U.S., Bange J.P., Patil D.S., *Journal of Materials Science: Materials in Electronics*, 27, 8, 8126-8130 (2016).
2024. De Mesa J.A., Amo A.M., Miranda J.J.C., Salazar H.O., Sarmago R.V., Garcia W.O., *JLMN-J. of Laser Micro/Nanoengineering*, 11, No. 1, 21-24 (2016).
- B.I.223.** Nedyalkov N., Nikolov A., **Atanasov P.**, Alexandrov M., Terakawa M., Shimizu H., *Optics & Laser Technology*, 64, 41-45, (2014).
2025. Khan T.M., Pokle A., Lunney J.G., *Applied Physics A*, 124(4), 336 (2018).
2026. Fominski V.Y., Romanov R.I., Fominski D.V., Dzhumaev P.S., Troyan I.A., *Optics & Laser Technology*, 102, 74-84 (2018).
2027. Assaf Y., Forstmann G., Kietzig A.M., *Applied Surface Science*, 436, 1075-1082 (2018).
2028. Khan T.M., Mujawar M.A., Siewerska K.E., Pokle A., Donnelly T., McEvoy N., Lunney J.G., *Nanotechnology*, 28(44), 445601 (2017).
2029. McCann R., Hughes R., Bagga K., Stalcup A., Vázquez M., Brabazon D., *Journal of Physics D: Applied Physics*, 50(24), 245303 (2017).
2030. Singh K.S., Khare A., Sharma A.K., *Laser and Particle Beams*, 1-10 (2017).
2031. Chang Y.-J., Ho C.-C., Hsu J.-C., Hwang T.-Y., Kuo C.-L., *Journal of Materials Processing Technology*, 226, 14475, 205-213 (2015).
2032. Wu C., Mao D., Liu Z., Liang Q., Chen S., Yu Y., Xu J., *Materials Research Express*, 2(5), 056401 (2015).
- B.I.224.** **Atanasov P.A.**, Nedyalkov N.N., Valova E.I., Georgieva Zh.S., Armanov S.A., Kolev K.N., Amoroso S., Wang X., Bruzzese R., Sawczak M., Śliwiński G., *Journal of Applied Physics*, 116, 2, 023104 (2014).
2033. Farshchian B., Gatabi J.R., Bernick S.M., Park S., Lee G.-H., Droopad R., Kim N., *Appl. Surf. Sci.*, 396, 359-365 (2016).
2034. Moraczewski K., Mróz W., Budner B., Malinowski R., Żenkwicz M., *Surface and Coatings Technology*, in press (2016).
- B.I.225.** Grochowska K., Siuzdak K., **Atanasov P.A.**, Bittencourt C., Dikovska A., Nedyalkov N.N., Śliwiński G., *Beilstein J. Nanotechnol.*, 5, 2102–2112 (2014).
2035. Khatoun N., Yasin H. M., Younus M., Ahmed W., Rehman N.U., Zakaullah M., Iqbal M.Z., *AIP Advances*, 8(1), 015130 (2018).
2036. Khan H.I., Khalid M.U., Abdullah A., Ali A., Bhatti A.S., Khan S.U., Ahmed W., *Journal of Vacuum Science & Technology B*, 36(3), 03E101 (2018).
2037. Censabella M., Ruffino F., Zimbone M., Bruno E., Grimaldi M.G., *physica status solidi (a)*, 215(3), 1700524 (2018).
2038. Zampiva R.Y.S., "Síntese e dopagem com érbio de forsterita nanoestruturada e sua caracterização microestrutural e de propriedades óticas", *PhD Thesis*, Universidade Federal do Rio Grande do Sul, 200 pgs. (2017).
2039. Hihat S., Santala M.K., Campbell G., van Benthem K., *Journal of Applied Physics*, 120(8), 085301 (2016).
2040. Bittencourt C., Ewels C., Krashennnikov A.V., *Beilstein Journal of Nanotechnology*, 6(1), 1708-1711 (2015).
- B.I.226.** Nedyalkov N., Nikov Ru., Koleva M., **Atanasov P.A.**, Constantinescu C., Delaporte Ph., Grojo D., *Appl. Surf. Sci.*, 336, 16-20 (2015).
2041. Hou X., Wang Q., Mao G., Liu H., Yu R., Ren X., *Applied Surface Science*, 437, 92-97 (2018).
2042. Park, J.H., Joo Y.L., *Applied Surface Science*, 416, 742-750 (2017).
- B.I.227.** Nikov Ru.G., Nedyalkov N.N., **Atanasov P.A.**, Delaporte Ph., Grojo D., *Proc. SPIE*, 9447, 94470K_1-7 (2015).
2043. Moniri S., Hantehzadeh M.R., Ghoranneviss M., Asadabab M.A., *The European Physical Journal Plus*, 132(7), 318. (2017).
- B.I.228.** Koleva M.E., Nedyalkov N.N., **Atanasov P.A.**, Fukata N., Dutta M., *Proc. SPIE*, 9447, 94470E_1-7 (2015).
2044. Patiño-Herrera R., Catarino-Centeno R., Robles-Martínez M., Zarate M.G.M., Flores-Arriaga J.C., Pérez E., *Powder Technology*, 327, 381-391 (2018).
2045. Santangelo S., Spadaro S., Scibilia S., Mezzasalma A.M., Neri F., Fazio E., *Journal of Luminescence*, 178, 204-209 (2016).
2046. Lv Z., Zhong Q., Ou M., *Applied Surface Science*, 376, 91-96 (2016).
- B.I.229.** Nikov R.G., Nikolov A.S., Nedyalkov N.N., **Atanasov P.A.**, Alexandrov M.T., Karashanova D.B., *Proc. SPIE*, 9447, 94470M_1-7(2015).
2047. Moniri S., Hantehzadeh M.R., Ghoranneviss M., Asadabab M.A., *The European Physical Journal Plus*, 132(7), 318 (2017).
2048. Alamri M., "Graphene Nanoparticle-Polymer Composite Fabricated by Pulsed Laser Ablation in Liquid", *MS Thesis*, 53 pgs., University of Waterloo (2016).
- B.I.230.** Stankova N.E., **Atanasov P.A.**, Nedyalkov N.N., Stoyanchov T.R., Kolev K.N., Valova E.I., Georgieva J.S., Armanov St.A., Amoroso S., Wang X., Bruzzese R., Grochowska K., Śliwiński G., Baert K., Hubin A., Delplancke M.P., Dille J., *Appl. Surf. Sci.*, 336, 321-328 (2015).
2049. Deng Y., Hong W., He J., Guo Z., Chen Y., Huang Z., *Applied Surface Science*, 445, 488-495 (2018).
2050. Sola D., Lavieja C., Orera A., Clemente M.J., *Optics and Lasers in Engineering*, 106, 139-146 (2018).
2051. Antoszewski B., Tofil S., Scendo M., Tarelnik W., *IOP Conf. Series: Materials Science and Engineering*, 233, 012036 (2017).
2052. Iordanova E., Yankov G., Garasz K., *Bulg. J. Phys.*, 44, 133-144 (2017).
2053. Farshchian B., Gatabi J.R., Bernick S.M., Park S., Lee G.-H., Droopad R., Kim N., *Appl. Surf. Sci.*, 396, 359-365 (2017).
2054. Moraczewski K., Mróz W., Budner B., Malinowski R., Żenkwicz M., *Surface and Coatings Technology*, 304, 68-75 (2016).
2055. Zheng B., Wang W., Jiang G., Mei X., *Applied Physics B*, 122(6), 1-15 (2016).
2056. Marasso S.L., Rivolo P., Giardi R., Mombello D., Gigot A., Serrapede M., Benetto S., Enrico A., Cocuzza M., Tresso E., *Materials Research Express*, 3(6), 065001 (2016).
2057. Metzinger A., "Method development for the analysis of liquid and solid samples by laser-induced breakdown spectroscopy", *PhD Thesis*, University of Szeged, (2016).
- B.I.231.** Armanov S., Stankova N.E., **Atanasov P.A.**, Valova E., Kolev K., Georgieva J., Steenhaut O., Baert K., Hubin A., *Nucl. Instr. Meth. Phys. Res. B*, 360, 30-35 (2015).
2058. Wang Z., Shen X., Yan Y., Qian T., Wang J., Sun Q., Jin C., *Applied Surface Science*, in press (2018).
2059. Zhao Z., Jin Q., Zhang N., Guo X., Yan H., *Polymer Degradation and Stability*, 103, 73-85 (2018).
2060. Hao W., Wang Z., Zhang X., Tian Y., *Chemical Industry and Engineering Progress*, 36, 1, 332-338 (2017).
2061. Wen X., Yuan X., Lan L., Hao L., Li S., Zheng Z., Kang J., *IEEE Transactions on Dielectrics and Electrical Insulation*, 24(4), 2337-2343 (2017).
2062. Li Y., Zeng X., Lai X., Li H., Fang, W., *Polymer Testing*, 63, 92-100 (2017).
2063. Liu L., Han X., Hu W., Zhao B., Fan A., *Polymer Engineering & Science*, in press (2017).
2064. Farshchian B., Gatabi J.R., Bernick S.M., Park S., Lee G.-H., Droopad R., Kim N., *Appl. Surf. Sci.*, 396, 359-365 (2017).
2065. Felice B., Seitz V., Bach M., Rapp C., Wintermantel E., *Journal of Composite Materials*, 51(16), 2253-2262 (2017).
2066. Cheng Z., J. Huang B.Li., Chen T., Liu Y., Wang X., Liu X., *Materials & Design*, 106, 216-225 (2016).
- B.I.232.** Stankova N.E., **Atanasov P.A.**, Nikov Ru.G., Nikov R.G., Nedyalkov N.N., Stoyanchov T.R., Fukata N., Kolev K.N., Valova E.I., Georgieva J.S., Armanov St.A., *Appl. Surf. Sci.*, 374, 96-103 (2016).
2067. Choung T., Lim J., Won D.J., Kim J., *Macromolecular Materials and Engineering*, 1800041 (2018).
2068. Li W., Kong J., Wu, T., Gao, L., Ma, Z., Liu, Y., Wang, L., *Materials Research Express*, in press (2018).
2069. Sola D., Lavieja C., Orera A., Clemente M.J., *Optics and Lasers in Engineering*, 106, 139-146 (2018).
2070. Töpfer T., Osmani B., Müller B., *Microelectronic Engineering*, 194, 1-7 (2018).
2071. Meliana Y., Juniarsih A., Anggraini J., *Jurnal Sains Materi Indonesia*, 18(4), 155-161 (2017).
2072. Hojun Shin, Hyojae Kim, Yeongseok Jang, Jinmu Jung, Jonghyun Oh, *Appl. Sci.*, 7, 1083, 1-10 (2017).
2073. Iordanova E., Yankov G., Garasz K., *Bulg. J. Phys.*, 44, 133-144 (2017).

2074. Planes M., Le Coz C., Lewandowski S., Remaury S., Solé S., Rejsek-Riba V., Soum A., Carlotti S., *Polymer Degradation and Stability*, 142, 11-116 (2017).
2075. Humayun Q., Hashim U., Ruzaidi C.M., Noriman N.Z., *AIP Conference Proc.*, 1808, No. 1, 020022 (2017).
2076. Farshchian B., Gatabi J.R., Bernick S.M., Park S., Lee G.-H., Droopad R., Kim N., *Appl. Surf. Sci.*, 396, 359-365 (2017).
2077. Planes M., Brand J., Lewandowski S., Remaury S., Solé S., Le Coz C., Carlotti S., Sebe G., *ACS Applied Materials & Interfaces*, 8, 41, 28030-28039 (2016).
2078. Moraczewski K., Mróz W., Budner B., Malinowski R., Żenkiewicz M., *Surface and Coatings Technology*, 304, 68-75 (2016).
2079. Zhao S., Chen Y., Partlow B.P., Golding A.S., Tseng P., Coburn J., Applegate M.B., Moreau J.E., Omenetto F.G., Kaplan D.L., *Biomaterials*, 93, 60-70 (2016).
2080. Druvas Santos De Sa, "Prototipagem de despositivos microe mesofluidicos para a fotodegracao de compostos organicos em fluxo catalisados com TiO₂", *PhD thesis*, Pontificia Universidade Catolica do Rio de Janeiro, 123 pgs (2016).
- B.I. 233.** Nikov R.G., Nedyalkov N.N., **Atanasov P.A.**, Hirsch D., Rauschenbach B., Grochowska K., Sliwinski G., *Appl. Surf. Sci.*, 374, 36-41 (2016).
2081. Feng X., Mo Y., Zhao Y., Jiang S., *Computational Materials Science*, 150, 222-229 (2018).
2082. Contreras-Cuevas H., Holguín-Momaca J.T., Ríos A.V., Márquez-Lucero A., Estrada-Moreno I.A., "Obtención de un substrato para medición SERS", *ICM*, 1-9 (2017).
2083. Hong R., Shao W., Sun W., Deng C., Tao C., Zhang D., *Optical Materials*, 77, 198-203 (2018).
2084. Prakash J., Sun S., Swart H.C., Gupta R.K., *Applied Materials Today*, 11, 82-135 (2018).
2085. Oh Y., Lee J., Lee M., *Applied Surface Science*, 434, 1293-1299 (2018).
2086. Censabella M., Ruffino F., Zimbone M., Bruno E., Grimaldi M.G., *physica status solidi (a)*, 215(3), 1700524 (2018).
2087. Oh Y., Lee M., *Applied Surface Science*, 399, 555-564 (2017).
- B.I.234.** **Atanasov P.A.**, Stankova N.E., Nedyalkov N.N., Fukata N., Hirsch D., Rauschenbach B., Amoroso S., Wang X., Kolev K.N., Valova E.I., Georgieva J.S., Armanyan St.A., *Appl. Surf. Sci.*, 374, 229-234 (2016).
2088. Deng Y., Hong W., He J., Guo Z., Chen Y., Huang Z., *Applied Surface Science*, 445, 488-495 (2018).
2089. Iordanova E., Yankov G., Garasz K., *Bulg. J. Phys.*, 44, 133-144 (2017).
2090. Farshchian B., Gatabi J.R., Bernick S.M., Park S., Lee G.-H., Droopad R., Kim N., *Appl. Surf. Sci.*, 396, 359-365 (2017).
2091. Francis A., Detsch R., Boccaccini A.R., *Ceramics International*, 42, 14, 15442- 15448 (2016).
2092. Moraczewski K., Mróz W., Budner B., Malinowski R., Żenkiewicz M., *Surface and Coatings Technology*, 304, 68-75 (2016).
- B.235.** **Atanasov P.A.**, Stankova N.E., Nedyalkov N.N., Stoyanov T.R., Nikov R.G., Fukata N., Gerlach J.W., Hirsch D., Rauschenbach B., *J of Phys.: Conf. Ser.*, 700, 012023, 1-5 (2016).
2093. Farshchian B., Gatabi J.R., Bernick S.M., Park S., Lee G.-H., Droopad R., Kim N., *Appl. Surf. Sci.*, 396, 359-365 (2017).
- B.236** Bialous A., Gazda M., Grochowska K., **Atanasov P.**, Dikovska A., Nedyalkov N., Reszczyńska J., Zaleska-Medowska A., Śliwiński G., *Thin Solid Films*, 601, 41-44 (2016).
2094. Russo P., "Development of Green Synthetic Approaches for the Potential Application of Carbon and Semiconductor Nanomaterials for Emerging Applications", *PhD Thesis*, Uni. of Waterloo, 216 pgs. (2017).
2095. Saquilayan G.M.Q., Wada M., *Japanese Journal of Applied Physics*, 57(1S), 01AA01 (2017).
2096. Russo P., Liang R., He R.X., Zhou Y.N., *Nanoscale*, 9(18), 6167-6177 (2017).
- B.237** Nedyalkov N., Koleva M., Nikov R., Atanasov P., Nakajima Y., Takami A., Shibata A., Terakawa M., *Appl. Surf. Sci.*, 374, 172-176 (2016).
2097. Parellada-Monreal L., Castro-Hurtado I., Martínez-Calderón M., Rodríguez A., Olaizola S.M., Gamarra D., Mandayo G.G., *Appl. Surf. Sci.*, 441, 331-340 (2018).
- B.I.238.** Koleva M.E., Nedyalkov N.N., **Atanasov P.A.**, Gerlach J.W., Hirsch D., Prager D., Rauschenbach B., Fukata N., Jevasuwan W., *Journal of Alloys and Compounds*, 665, 282-287 (2016).
2098. Verma A.K., Das R., Soni R.K., *Applied Surface Science*, 427 B, 133-140 (2018).
2099. Jiang T., Wang X., Tang J., *Optik-International Journal for Light and Electron Optics*, 150, 88-93 (2017).
2100. Huang Qing-Li, Li Jing, Wei Wen-Xian, *Chinese J. of Inorganic Chemistry*, 33, 8, 1365-1373 (2017).
2101. Chen Y., Ge F., Guang S., Cai Z., *Journal of Alloys and Compounds*, 726, 484-489 (2017).
2102. Han Q., Yan L., Zhang C., Zhang M., Zheng H., *Journal of Alloys and Compounds*, 715, 322-328 (2017).
2103. Santangelo S., Spadaro S., Scibilia S., Mezzasalma A.M., Neri F., Fazio E., *Journal of Luminescence*, 178, 204-209 (2016).
2104. Wei Y., Zhu Y.-Y., Wang M.-L., *Optik*, 127 (19), 7902-7907 (2016).
- B.I.239.** Nikov R.G., Nedyalkov N.N., **Atanasov P.A.**, Karashanova D.B., *Proc. SPIE-International Society for Optics and Photonics*, 102260E-102260E (2017)
2105. Moura C.G., Pereira R.S.F., Andritschky M., Lopes A.L.B., de Freitas Grilo J.P., do Nascimento R.M., Silva F.S., *Optics & Laser Technology*, 97, 20-28 (2017).
- B.I.243.** Sawczak M., Zyskowski M., Karczewski J., **Atanasov P.A.**, Nedyalkov N.N., Nikov R.G., Stankova N.A., Śliwiński G., *Proc. SPIE-International Society for Optics and Photonics*, 102260G-102260G (2017).
2106. Huang Y., Ma L., Li J., Zhang Z., *Nanotechnology*, 28(10), 105203 (2017).
- B.I.247.** Nikov R.G., Dikovska A.O., Nedyalkov N.N., **Atanasov P.A.**, Atanasova G., Hirsch D., Rauschenbach B., "ZnO nanostructures produced by pulsed laser deposition in open air", *Appl. Phys. A*, 123, 657 (2017).
2107. Gopalakrishnan S., Shankar R., Kolandaivel P., *Applied Physics A*, 124(3), 280 (2018).
2108. Vlad A., R. Birjega I. Tirca A. Matei C.C. Mardare A.W. Hassel, A. Nedelcea, M. Dinescu, R. Zavoianu., *Applied Physics A*, 124, no. 2 (2018).
- =====
- B.II.1.** Stefanov V.J. and **Atanasov P.A.**, *C.R. Acad. Bulg. Sci.*: 22, 8, 867-870 (1969).
2109. Петрова М., *Кандидатска дисертация*: С. (1980).
- B.II.6.** **Atanasov P.A.**, *C.R. Acad. Bulg. Sci.*: 28, 10, 1355-1358 (1975).
2110. Andrews K.J., *Opt. Commun.*: 26, 228 (1978).
- B.II.7.** **Atanasov P.A.**, *C.R. Acad. Bulg. Sci.*: 28, 9, 1183-1186 (1975).
2111. Kuchinskii A.A., Lyublin B.V., Sheverev V.A., *Journal of Applied Spectroscopy*, 45(3), 895-899 (1986).
2112. Andrews K.J., *Opt. Commun.*: 26, 228 (1978).
- B.II.12.** **Атанасов П.А.**, Веков И.Г., *Е. и П.*: 10, 32-33 (1983).
2113. Allen P.N., Blake W., *USA Patent N. 4 502 145*, 06 May (1985).
- B.II.21.** Paskov P.P., **Atanasov P.A.** and Pavlov L.I., *Bulg. J. Phys.*: 14, 6, 595-601 (1987).
2114. Кушев Д.Б., *Докт. Дисертация*: София (1994).
- B.II.23.** **Atanasov P.A.**, Vasilev S.G., Iotov I.N., *Bulg. J. Phys.*: 15, 286-292 (1988).
2115. Пасков П.П., *Кандидатска дисертация*: С. (1989).
- B.II.24.** **Атанасов П.А.**, Пасков П.П., Вачев В.Д., *Е. и П.*, 6, 17-21 (1989).
2116. Barudov S. *Biotechnology and Biotechnological Equipment*, 20 (2), 204-208 (2006).
2117. Барудов С., "Електрически процеси и устройства за управление на разряд в газова среда": В. (2004).
- B.II.26.** Baeva M.G. and **Atanasov P.A.**, *Bulg. J. Phys.*: 16, 6, 610-616 (1989).
2118. Galeev R.S., *High Temp.*: 34, 1, 11-15 (1996).
- B.II.30.** Baeva M.G. and **Atanasov P.A.**, *Bulg. J. of Phys.*: 18, 226-232 (1991).
2119. Hadrich S., Pflerz B., and Uhlenbusch J., *Plasma Chem. and Plasma Processing*, 19, 1, 91-109 (1999).
2120. Hadrich S., *PhD Thesis*: Uni. of Dusseldorf (1997).
- B.II.40.** Nedyalkov N.N., Imamova S.E., **Atanasov P.A.**, Toshkova R.A., Gardeva E.G., Yossifova L.S., Alexandrov M.T., *Comptes Rend. de L'Acad. Bulg. des Sci.*, 63 (5) 767-774 (2010).
2121. Maity S., "Photothermal Property of Metal Nanoparticles and its Application in Polymer Processing", *PhD Thesis*, North Carolina State Uni., (2013).
2122. Garner Q., Molian P., *Nanomaterials*, 3(4), 592-605 (2013).

2123. Maity S., Downen L.N., Bochinski J.R., Clarke L.I., *Polymer*, 52 (7), 1674-1685 (2011).

P. 1. Baeva M.G., Atanasov P.A., private commun. (1994).

2124. Tsirikas G.N. and Serafetinides A.A., *J. Phys. D: Appl. Phys.*: 29, 11, 2806-2810 (1996).

P. 2. Atanasov P.A., in press J. Appl. Phys.: (2000).

2125. Jelinek M., Lancok J., Pavelka M., *Appl. Phys.A: Mater. Sci. & Proces.*, A 74, 481-485 (2002).

P. 3. Atanasov P.A., unpublished J. Appl. Phys.: (2001).

2126. Mackova A., Perina V., Havranek V., *Czech. J. Phys*: 53, 1, Suppl. A241 (2003).

28.05.2018 г.

2126 пъти, в т.ч. 12 цитирания в патенти.

Използвани източници: Scopus, WOS и Google Scholar.