

1. **B.I.140.** Amoruso S., Bruzzese R., Wang X., Nedialkov N.N., **Atanasov P.A.**, *J. Phys. D – Appl. Phys.*: (2) 331-340 (2007).
1. Shen Y., Gan Y., Qi W., Shen Y., Chen Z., *Applied Optics*, 54, 7, 1737-1742 (2015).
2. 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).
3. 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).
4. 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).
5. Zhang L., Cao X.W., Li S.G., Xiang R.Y., Sun H.C., *Applied Mechanics and Materials*, 633, 665-670 (2014).
6. Peña-Rodríguez O., González-Izquierdo J., Rivera A., Balabanian G., Olivares J., Perlado J.M., Bñares L., *Optical Materials Express*, 4(9), 1943-1952 (2014).
7. Guo J., Wang T., Wang D., Shao J., Chen A., Jin M., *Applied Physics A*, 1-8 (2014).
8. Smijesh N., Chandrasekharan K., Joshi J.C., Philip R., *Journal of Applied Physics*, 116 (1), 013301 (2014).
9. Mirza I., O'Connell G., Wang J.J., Lunney J.G., *Nanotechnology*, 25 (26), 265301 (2014).
10. 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).
11. Rouleau C.M., Shih C.-Y., Wu C., Zhigilei L.V., Puzosky A.A., Geohagan D.B., *Appl. Phys. Lett.*, 104, 19, 193106 (2014).
12. Bourquard F., Loir A.S., Donnet C., Garrelie F., *Applied Physics Letters*, 104 (10), 104101 (2014).
13. O'Connell G., Donnelly T., Lunney J. G., *Applied Physics A*, 117, 1, 289-293 (2014).
14. Bourquard F., Tite T., Loir A.-S., Donnet C., Garrelie F., *J. Phys. Chem. C*, 118 (8), 4377-4385 (2014).
15. Wu C., Zhigilei L.V., *Applied Physics A*, 114, 1, 11-32 (2014).
16. Fischer D., de la Fuente G.F., Jansen M., "A new pulsed laser deposition technique: Scanning multi-component PLD method", 23 pgs. (2013).
17. 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).
18. 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).
19. 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).
20. Harilal S.S., Farid N., Hassanein A., Kozhevnikov V.M., *J. of Appl. Phys.*, 114, 20, 203302 (2013).
21. O'Connell G., "Nanoparticle plume dynamics in fs laser ablation", (2013).
22. Zuhlke C.A., Anderson T.P., Alexander D.R., *Appl. Surf. Sci.*, 283, 648-653 (2013).
23. Zuhlke C.A., Anderson T.P., Alexander D.R., *Appl. Phys. Lett.*, 103, 12, 121603-121603 (2013).
24. Smijesh N., Philip R., *J. of Applied Physics*, 114, no. 9, 093301 (2013).
25. Donnelly T., Lunney J.G., *Appl. Surf. Sci.*, 282, 133-137 (2013).
26. Vorobyev A.Y., Guo C., *Laser and Photonics Reviews*, 7, 3, 385-407 (2013).
27. Banerjee S.P., Chen Z., Fedosejevs R., *J. of Appl. Phys.*, 113, 18, 183101-183101 (2013).
28. Balling P., Schou J., *Rep. Prog. Phys.*, 76, 3, 036502 (2013).
29. Toftmann B., Doggett B., Budtz-Jørgensen C., Schou J., Lunney J.G., *J. Appl. Phys.*, 113, 8, 083304 (2013).
30. Vorobyev A.Y., Guo C., *Appl. Phys. Lett.*, 102, no. 7, 074107-074107 (2013).
31. Chen A., Sui L., Y. Shi, Y. Jiang, D. Yang, Liu H., Jin M., Ding D., *Thin Solid Films*, 529, 209-216 (2013).
32. Bianco Mario, "Ablazione laser ultraveloce di berraghi di ranel con impulse da 50 fs a 800 nm", *PhD thesis*, Uni. Napoli, 87 pgs. (2012).
33. Leng N., Jiang L., Li X., Xu C., Liu P., Lu Y., *Appl. Phys. A: Mater. Sci. & Proces.*, 109, 3, 679-684 (2012).
34. Di Maio Y., Colombier J.P., Cazottes P., Audouard E., *Optics & Lasers in Engineering*, 50, 11, 1582-1591 (2012).
35. Fischer D., de la Fuente G.F., Jansen M., *Rev. Sci. Instrum.* 83, 4, 043901-8 (2012).
36. Wang T., Guo J., Shao J., Sun T., Chen A., Liu H., Ding D., *Optics & Laser Technology*, 44, 5, 1551-1555 (2012).
37. Smyth C.A., Mirza I., Lunney J.G., McCabe E.M., *Proc. SPIE*, 8234, art. no. 82341G (2012).
38. Lansari L., Millon E., Perrière J., Mathias J., Petit A., Seiler W., Boulmer-Leborgne C., *Appl. Surf. Sci.*, 258 (23), 9112-9115 (2012).
39. Mirza I., Lunney J.G., *30th ICPIG*, August 28th – September 2nd 2011, Belfast, Northern Ireland, UK, 3pg. (2011).
40. Akman E., Oztoprak B.G., Gunes M., Kacar E., Demir A., *Photonics and Nanostructures - Fundamentals and Applications* 9 (3), 276-286 (2011).
41. 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).
42. Aurino Pier Paolo, "Ablazione laser pulsate del diossido di titanio", *MSc thesis*, Uni. Napoli, 90 pgs. (2011).
43. De Bonisa A., Teghli R., Rau J.V., Galasso A., Orlandi S., Santagata A., *Appl. Surf. Sci.*, 257 (12), 5315-5318 (2011).
44. Gearoid O'Connell, "Nanoparticle plume dynamics in femtosecond laser ablation", 1, (2011).
45. Besner S., Meunier M., "Laser Synthesis of Nanomaterials" in *"Laser Precision Microfabrication"*, Springer Series in Materials Science, 135, 163-187 (2010).
46. Demaske B.J., Zhakhovsky V.V., Inogamov N.A., Oleynik I.I., *AIP Conference Proc.*, 1278, 121-130 (2010).
47. 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).
48. Demaske B.J., Zhakhovsky V.V., Inogamov N.A., Oleynik I.I., *Phys. Rev. B*, 82, 064113 (2010).
49. 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).
50. Inogamov N.A., Petrov Y.V., *J. of Exper. & Theor. Phys.*, 110, 3, 446-468 (2010).
51. Wendelen W., Dzhurakhalov A.A., Peeters F.M., *J. of Phys. Chem. C*, 114, 12, 5652-5660 (2010).
52. Maeyens A., Dzhurakhalov A.A., Wendelen W., Bogaerts A., "Hybrid continuum-atomistic simulations for ultrashort pulsed laser ablation", P20, 116 (2010).
53. Salminen T., Hahtala M., Seppala I., Niemi T., Pessa M., *Appl. Phys. A – Mater. Sci. & Proces.*, 98, 3, 487-490 (2010).
54. Boulmer-Leborne C., Benzerger 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).
55. Walter D., "Online-Qualitätssicherung beim Bohren mittels ultrakurz gepulster Laserstrahlung", *Dissertation*, Stuttgart Uni., Herbert Utz Verlag, pp. 146 (2010).
56. Rao M.C., *Journal of Chemical, Biological and physical sciences. Technology*, 2(2), 29-32 (2010).
57. Grossman E., Shpilman Z., Gouzman I., Eliezer S., Louzon E., *physica status solidi (a)*, 206(7), 1541-1548. (2009).
58. 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).
59. Petronic S., Drecun-Nesic S., Milosavljevic A., *Acta Phys. Polonica A*, 116, 4, 550-552 (2009).
60. Milosavljevic A., Petronic S., Sreckovic M., Kovacevic A., Krmpot A., Kovacevic K., *Acta Phys. Polonica A*, 116, 4, 553-556 (2009).
61. Altucci C., Nisoli M., Procino I., Sansone G., Tosa V., Velotta R., Vozzi C., Xia J., *European Phys. J.: Special Topics*, 175, 1, 11-14 (2009).
62. Donnelly T., Lunney J.G., Ni X., *J. of Appl. Phys.*, 106 (1), art. no. 013304 (2009).
63. Guillermin M., "Étude du panache d'ablation laser femtoseconde, contrôle et optimisation des procédés", *DSc Thesis*, Uni. Jean Monnet de Saint-Etienne (2009).
64. Grossman E., Shpilman Z., Gouzman I., Eliezer S., Louzon E., *Physica Status Solidi (A) Appl. & Mater.* 206 (7), 1541-1548 (2009).
65. Xu R.-Q., Cui Y.-P., Lu J., Ni X.-W., *Chinese Physics Letters*, 26 (1), art. no. 015201, 176-182 (2009).
66. Murakami M., Liu B., Hu Z., Liu Z., Uehara Y., Che Y., *Applied Phys. Express* 2 (4), 0425011-0425013 (2009).
67. Murakami Makoto, Hu Zhendong, Liu Bing, Che Yong, Liu Zhenlin, Uehara Yuzuru, "A method for fabricating thin films", *US Patent: WO2009148674* (2009).
68. Murakami Makoto, Hu Zhendong, Che Yong, Liu; Bing, "Method for fabricating thin films", *US Patent: US20090246413* (2009).
69. Murakami Makoto, Hu Zhendong, Che Yong, Liu Bing, Uehara Yuzuru, Liu, Zhenlin, "Method for fabricating thin films", *US Patent: US20090246530* (2009).

70. Guillermin M., Liebig C., Garrelie F., Stoian R., Loir A.S., Audouard E., *Appl. Surf. Sci.*, 255 (10) 5163-5166 (2009).
 71. 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).
 72. Aginako J.I.A., "New insights in laser produced plasmas and plasma-laser coupling mechanisms", 19-20, (2008).
 73. 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).
 74. Iannotti V., Amoroso S., Ausanio G., Barone A.C., Campana C., Wang X., Lanotte L., *Applied Surf. Sci.*, 255, (10), 5224-5227 (2009).
 75. Eliezer Sh., "Nanoparticles Induced by Femtosecond Lasers", ch. 8, 274-301 (2009).
 76. 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).
 77. Iannotti V., Ausanio G., Barone A.C., Campana C., Hison C., Lanotte L., *J. Mater. Proc. Tech.*: 208 (1-3), 409-414 (2008).
 78. Iannotti V., Aruta C., Ausanio G., *J. Phys D-Appl. Phys.*: 41 (19), 195006 (2008).
 79. Iannotti V., Ausanio G., Campana C., D'Orazio F., Hison C., Lucari F., Lanotte L., *J. Magnetism & Magnetic Mater.*, 320, 20, e594-e598 (2008).
 80. Jang J.-H., Lin J., *Surface and Coatings Technology* 202 (24), 6136-6141 (2008).
 81. Williams G.O., O'Connor G.M., Mannion P.T., Glynn T.J., *Applied Surf. Sci.*, 254 (18), 5921-5926 (2008).
 82. Huang P.H., Lai H.Y., *Phys. Rev. B*, 77, 12, 125408 (2008).
 83. Gallerie F., "Ablation laser femtoseconde pour le dépôt de couches minces", *Dissertation*, L'Université Jean Monnet, Saint Etienne, 147 (2008).
 84. Lopeandia A.F., "Development of Membrane-based Calorimeters to Measure Phase Transitions at the Nanoscale", *PhD Thesis*, 1-201 (2007).
 85. Perrière J., Boulmer-Leborgne C., Benzerga R., Tricot S., *J. of Phys. D: Appl. Phys.* 40 (22), 7069-7076 (2007).
- 2. B.I.132.** Amoroso S., Bruzzese R., Vitiello M., Nedialkov N.N., **Atanasov P.A.**, *J. Appl. Phys.*, 98 (4) 044907, 1-7 (2005).
1. Abdellaoui N., Pilonnet A., Berndt J., Boulmer-Leborgne C., Kovacevic E., Moine B., Penuelas J., Pereira A., *Nanotechnology*, 26, 11, 115604 (2015).
 2. Diwakar P.K., Harilal S.S., Hassanein A., Phillips M.C., *Journal of Applied Physics*, 116(13), 133301 (2014).
 3. 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).
 4. Povarnitsyn M., Fokin V., Voloshko A., Delfour L., Itina T.E., "Numerical analysis of ultrashort laser ablation: application for fabrication of nanoparticles and nanostructures", *arXiv preprint arXiv*, 1405.3439 (2014).
 5. 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).
 6. Itina T.E., Povarnitsyn M.E., Voloshko A., *Proc SPIE*, 8969-4, 1-10 (2014).
 7. Mazhukin V.I., Demin M.M., Shapranov A.V., *Applied Surface Science*, 302, 6-10 (2014).
 8. Povarnitsyn M.E., Itina T.E., *Applied Physics A*, 117, 1, 175-178 (2014).
 9. Chakravarty U., Naik P.A., Chakera J.A., Upadhyay A., Gupta, P.D., *Applied Physics A*, 115(4), 1457-1467 (2014).
 10. Harilal S.S., Farid N., Hassanein A., Kozhevnikov V.M., *J. of Appl. Phys.*, 114, 20, 203302 (2013).
 11. Chong Li, Jingchao Zhang, Xinwei Wang, *Applied Physics A*, 112, 3, 677-687 (2013).
 12. Liu B., Wang W., Jiang G., Mei X., Wang K., Wang J., *J. of Nanomaterials*, 2013, 301301 (2013).
 13. Tan D., Zhou S., Qiu J., Khushro N., *J. of Photochem. & Photobiology C: Photochemistry Rev.*, 17, 50-68 (2013).
 14. Lin D., Yang Y., Cheng G.J., *Appl. Surf. Sci.*, 283, 924-929 (2013).
 15. 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).
 16. Vorobyev A.Y., Guo C., *Laser and Photonics Reviews*, 7, 3, 385-407 (2013).
 17. 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).
 18. Bashir S., Shahid Rafique M., Husinsky W., *Radiation Effects and Defects in Solids*, 168, 11-12, 902-911 (2013).
 19. Vorobyev A. Y., Guo C., *Appl. Phys. Lett.*, 102, no. 7, 074107-074107 (2013).
 20. Perrone A., Cultrera L., Lorusso A., Maiolo B., Straffella F., *J. of Appl. Phys.*, 113 (2), 026102 - 026102-3 (2013).
 21. Li Ch., Zhang J., X. Wang, *Applied Physics A*, 1-11 (2013).
 22. Chen A., Sui L., Shi Y., Jiang Y., Yang D., Liu H., Jin M., Ding D., *Thin Solid Films*, 529, 209-216 (2013).
 23. Inogamov N.A., Zhakhovsky 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).
 24. Li Y., Sun P.P., Wu A.Q., *Applied Mechanics and Materials*, 229-231, 109-112 (2012).
 25. 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).
 26. Li X., Jiang L., *Applied Physics A: Materials Science & Processing*, 109, 2, 367-376 (2012).
 27. Gottfried J.L., *Applied Optics*, 51, 7, B13-B21 (2012).
 28. 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).
 29. Gill-Comeau M., Lewis L.J., *Phys. Rev. B*, 84, 22, 224110, 16pgs. (2011).
 30. Savolainen J.M., Christensen M.S., Balling P., *Phys. Rev. B* 84 (19), 193410, 4 pages (2011).
 31. Wu Z., Zhu X., Zhang N., *J. Appl. Phys.*, 109 (5), art. no. 053113 (2011).
 32. 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).
 33. 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).
 34. 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).
 35. Nakano H., Oguri K., Okano Y., Nishikawa T., *Appl. Phys. A: Mater. Sci. & Proces.*, 101, 3, Special Issue, 523-531 (2010).
 36. Gottfried J.L., "Laser-generated Nanoenergetic Materials", *ADA516848*, Investigation of Chemical Processes 1-27 (2010).
 37. Demaske B.J., Zhakhovsky V.V., Inogamov N.A., Oleynik I.I., *Phys. Rev. B* 82, 064113, 5 pages (2010).
 38. Chakravarty U., Naik P.A., Mukherjee C., Kumbhare S.R., Gupta P.D., *J. Appl. Phys.*, 108, 053107; 5 pages (2010).
 39. Guillermin M., "Etude du panache d'ablation laser femtoseconde, controle et optimisation des procedes", *DSc Thesis*, Uni. Jean Monnet de Saint-Etienne (2009).
 40. Chakravarty U., Naik P.A., Kumbhare S.R., Gupta P.D., *J. of the Optical Soc. of Korea* 13 (1), 80-85 (2009).
 41. Axente E., Noël S., Hermann J., Sentis M., Mihailescu I.N., *Appl. Surf. Sci.*, 255 (24), 9734-9737 (2009).
 42. Grossman E., Shpilman Z., Gouzman I., Eliezer S., Louzon E., *Phys. Status Solidi (A) Appl. & Mater.* 206 (7), 1541-1548 (2009).
 43. Kundrapu M., Keidar M., *J. Appl. Phys.*, 105 (8), art. no. 083302 (2009).
 44. Oguri K., Okano Y., Nishikawa T., Nakano H., *Phys. Rev. B*, 79, 14, 144106 (2009).
 45. Guillermin M., Liebig C., Garrelie F., Stoian R., Loir A.S., Audouard E., *Appl. Surf. Sci.*, 255 (10) 5163-5166 (2009).
 46. 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).
 47. Itina T.E., *Appl. Surf. Sci.*, 255 (10), 5107-5111 (2009).
 48. Eliezer Sh., "Nanoparticles Induced by Femtosecond Lasers", ch. 8, 274-301 (2009).
 49. Qingju H., Wang H., Huang Y., Lin J., *Intern. Symp. on Photoelectron Detection and Imaging, Intern. Soc. for Optics & Photonics*, 73824S-73824S (2009).
 50. Cerchez M., Jung R., Osterholz J., Toncian T., Willi O., Mulser P., Ruhl H., *Phys. Rev. Lett.*, 100, 24, 245001 (2008).
 51. Sage R.S., Cappel U.B., Ashfold M.N.R., Walker N.R., *J. Appl. Phys.*, 103, 9, N.: 093301 (2008).
 52. Axente E., Noel S., Hermann J., Sentis M., Mihailescu I.N., *J. Phys. D-Appl. Phys.*, 41, 10, N: 105216 (2008).
 53. Itina T., "Etudes 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).
 54. Itina T.E., *Chemical Physics Letters*: 452 (1-3), 129-132 (2008).
 55. Gallerie F., "Ablation laser femtoseconde pour le dépôt de couches minces", *Dissertation*, L'Université Jean Monnet, Saint Etienne, 147 (2008).

56. Shan F., Porter R., Cheng N., Masiel D.J., Guo T., *J. of Physical Chemistry C*: 111 (12), 4643-4647 (2007).
 57. Vitoux P., "Élaboration de nanocomposites "nanoparticules métalliques/polymère" en milieux fluides supercritiques", Université Sciences et Technologies – Bordeaux, *DSc Thesis* (2008).
 58. Perrière J., Boulmer-Leborgne C., Benzerga R., Tricot S., *J. of Phys. D: Appl. Phys.* 40 (22), 7069-7076 (2007).
 59. Oguri K., Okano Y., Nishikawa T., Nakano H., *Phys. Rev. Lett.*: 99 (16), art. no. 165003 (2007).
 60. 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).
 61. McDonald J.P., "Near Threshold Femtosecond Laser Interactions with Materials: Ablation Thresholds, Morphologies, and Dynamics", *PhD Thesis*, The Uni. of Michigan, pgs. 231 (2007).
 62. Yang L., Wang C., Ni X., Wu Y., Jia W., Chai L., *Chinese Opt. Lett.*, 5 (5), 308-310 (2007).
 63. Odell G.W., "Metal Oxide Nanoparticles: Optical Properties and Interaction with Chemical Warfare Agent Simulants", *PhD Thesis*, Fac. of Virginia, Politechnic Uni. (2006).
 64. Schou J., Lunney J.G., *Springer Series in Optical Sciences*, 129, 67-95 (2006).
 65. Kudryashov S.I., Lyon K., Allen S.D., *Proc. SPIE*, 6261 I, art. no. 62612U (2006).
 66. Garrelie F., Donnet C., Loir A.S., Benchikh N., *Proc. SPIE*, 6261 I, art. no. 62610L (2006).
 67. Okano Y., Oguri K., Nishikawa T., Nakano H., *Appl. Phys. Lett.*, 89, 22, 221502 (2006).
 68. Kudryashov S.I., Lyon K., Shukla S., Murry D., Allen S.D., *J. Appl. Phys.*, 100 (5), Art. No. 056103 (2006).
 69. Kudryashov S.I., Lyon K., Allen S.D., *Phys. Rev. E* 73 (5), Art. No. 055301 Part 2 (2006).
- 3. B.I.114. Nedialkov N.N., Imamova S.E., Atanasov P.A., *J. Phys. D: Appl. Phys.*, 37, 4, 638-643 (2004).**
1. Ryser M., Pilz S., Burn A., Romano V., *arXiv preprint arXiv:1412.3741*, 4 (2014).
 2. Michalowski A., *Untersuchungen zur Mikrobearbeitung von Stahl mit ultrakurzen Laserstrahlung*, 76, 165 pgs., Herbert Utz Verlag (2014).
 3. Ivanov K.A., Shulyapov S.A., Ksenofontov P.A., Tsymbalov I.N., Volkov R.V., Savel'ev A.B., Brantov A.V., Bychenkov V.Yu., Turgenev A.A., Lapik A.M., Rusakov A.V., Djikibaev R.M., Nedorezov V.G., *Physics of Plasma*, 21, 9, 093110 (2014).
 4. Palav K., Saxena I., Ehmann K.F., *Micro Nano-Manuf.*, 2(3), 031001 (2014).
 5. Shaheen M.E., Gagnon J.E., Fryer B.J., *Laser Physics*, 24(10), 106102 (2014).
 6. Rung S., Christiansen A., Hellmann R., *Appl. Surf. Sci.*, 305, 347-351 (2014).
 7. Sozzi M., Traghi K., Selleri S., Cucinotta A., Lutey A.H.A., Molari P.G., Carmignato 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).
 8. Bian Qiumei, "Femtosecond laser micromachining of advanced materials", *PhD Thesis*, Dpt. of Industrial & Manuf. Syst. Engin., Kansas State Uni. (2013).
 9. Bohling M., Jahns J., Mohr J., Börner M., *Proc. Mikrosystemtechnik 2013*, 1-4 (2013).
 10. Wong Tsz Chun, "Single-shot measurements of complex pulses using frequency-resolved optical gating", *PhD Thesis*, Georgia Inst. of Tech., 152 pgs. (2013).
 11. Melaibari A., Molian P., *Advanced Materials Research*, 804, 17-22 (2013).
 12. Wong T.Ch., Trebino R., *JOSA B*, 30, 11, 2781-2786 (2013).
 13. Zhao Xin, Shin Y.C., *Appl. Surf. Sci.*, 283, 94-99 (2013).
 14. 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).
 15. Cheng J., Liu C.-S., Shang S., Liu D., Perrie W., Dearden G., Watkins K., *Optics and Laser Technology*, 46 (1), 88-102 (2013).
 16. Doctor O., "Picosecond laser processing of diamond cutting edges", *PhD dissertation*, ETH Zurich (2013).
 17. 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).
 18. Ryser M., Neff M., Pilz S., Burn A., Romano V., *Proc. SPIE*, 8237, N: 82373I (2012).
 19. 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).
 20. Gill-Comeau M., Lewis L.J., *Phys. Rev. B*, 84, 22, 224110, 16 pgs. (2011).
 21. 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).
 22. Döring S., Richter S., Nolte S., Tünnermann A., *Proc. of SPIE*, 7925, art. no. 792517 (2011).
 23. Sharma A.K., Smedley J., Tsang Th., Rao T., *Rev. Sci. Instrum.*, 82, 3, 033113, (2011).
 24. Jaeggi B., Neuenschwander B., Schmid M., Murali M., Zuercher J., Hunziker U., *Physics Procedia*, 12, 2, 164-171 (2011).
 25. Gao X., Song X.-W., Lin J.-Q., *Chinese Physics B*, 20 (2), art. no. 024210 (2011).
 26. McDonald J.P., Thouless M.D., Yalisove S.M., *J. Mater. Res.*, 25, 6, 1087-1095 (2010).
 27. 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).
 28. Besner S., Meunier M., "Laser Synthesis of Nanomaterials" in *"Laser Precision Microfabrication"*, Springer Series in Materials Science, 135, 163-187 (2010).
 29. Döring S., Richter S., Nolte S., Tünnermann A., *Optics Express*, 18, 19, 20395-20400 (2010).
 30. Hu W.Q., Shin Y.C., King G., *Phys. Rev. B*, 82, 9, 094111 (2010).
 31. Wang S., Wang Y., Ding X., Liang W., Deng Z., Chu L., Fu G., *Qiangjiguang Yu Lizhishu/High Power Laser and Particle Beams* 22 (8), 1843-1846 (2010).
 32. McDonald J.P., Thouless M.D., Yalisove S.M., *J. Mater. Res.*, 25, 6, 1087-1095 (2010).
 33. Hu W., Shin Y.C., King G., *Appl. Phys. A: Mater. Sci. & Proces.*, 98 (2), 407-415 (2010).
 34. Cheng J., Perrie W., Edwardson S.P., Fearon E., Dearden G., Watkins K.G., *Appl. Surf. Sci.*, 256, 5, 1514-1520 (2009).
 35. Wu B., Shin Y.C., *Proc. of the ASME Intern. Manufacturing Sci. & Engin. Conf. 2009, MSEC2009* 1, 853-859 (2009).
 36. Bechtold P., Roth S., Schmidt M., *ICALEO 2009 - 28th Intern. Congress on Appl. of Lasers and Electro-Optics, Congress Proc.*, 102, 1124-1133 (2009).
 37. Fossa J.S., Andreeta M.R.B., Hernandez A.C., *Laser Physics*, 19, 10, 2045-2049 (2009).
 38. Hu D.Z., *Acta Phys. Sinica*, 58 (2), 1077-1082 (2009).
 39. Ilya Mingareev, "Ultrafast dynamics of melting and ablation at large laser intensities", *PhD thesis*, RWTH Aachen Uni., (2009).
 40. Wu B., Shin Y.C., *Appl. Surf. Sci.* 255 (9) 4996-5002 (2009).
 41. Horn A., "Ultra-fast Material Metrology", Wiley-VCH ISBN 978-3-527-40887-0 (2009).
 42. Breitling D., "Gasphaseneinflüsse beim Abtragen und Bohren mit ultrakurz gepulster Laserstrahlung", *PhD Thesis*, Stuttgart Uni., pp. 197 (2009).
 43. 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).
 44. Mingareev I., Horn A., *Appl. Phys. A: Mater. Sci. and Proc.*, 92 (4), 917-920 (2008).
 45. Lin Z., Johnson R.A., Zhigilei L.V., *Phys. Rev. B - Condensed Matter and Materials Physics* 77 (21), art. no. 214108 (2008).
 46. McDonald J.P., Ma S., Pollock T.M., Yalisove S.M., Nees J.A., *J. Appl. Phys.*, 103 (9), art. no. 093111 (2008).
 47. Amoroso S., Bruzzese R., Pagano C., Wang X., *Appl. Phys. A: Mater. Sci. and Proces.*: 89 (4), 1017-1024 (2007).
 48. Upadhyay A.K. and Urbassek H.M.: *J. of Phys. D: Appl. Phys.* 40, (11), 3518-3526 (2007).
 49. Gu X. and Umbassek H.M., *Appl. Surf. Sci.*, 253 (9) 4142-4149 (2007).
 50. Wu B. and Shin Y.C., *Appl. Surf. Sci.*, 253 (8), 4079-4084 (2007).
 51. McDonald J.P., "Near Threshold Femtosecond Laser Interactions with Materials: Ablation Thresholds, Morphologies, and Dynamics", *PhD Thesis*, The Uni. of Michigan, 231 pgs. (2007).
 52. Gu X. and Umbassek H.M., *J. Phys D: Appl. Phys.*, 39 (21), N 018, 4621-4627 (2006).
 53. Horn A., Mingareev I., Miyamoto I., *JLMN-Journal of Laser Micro/Nanoengineering*, 1, 3, 264-268 (2006).
 54. Let Qiye, Xue Fu St., Xu Long jiang, Zhang Deyong, *Acoustics/Chinese*, 25, 3, 204-208 (2006).
 55. Amoroso S., Ausanio G., Bruzzese R., Gragnaniello L., Lanotte L., Vitiello M., Wang X., *Appl. Surf. Sci.* 252 (13 SPEC. ISS.), 4863-4870 (2006).
 56. Mingareev I., Horn A., Kreutz E.W., *Proc. SPIE*, 6261 I, art. no. 62610A (2006).
 57. Lorazo P., Lewis L.J., Meunier M., *Phys. Rev. B*, 73, 13, 134108, 1-22 (2006).
 58. Cheng C. and Xu X., *Phys. Rev B*: 72, (16) 1-15 (2005).

59. Upadhyay A.K., Urbassek H.M.: *J. of Phy. D: Appl. Phys.* 38, 16, 2933-2941, (2005).
 60. Le Harzic R., Breitting D., Sommer S., Föhl C., Valette S., König K., Dausinger F., Audouard E., *Proc. SPIE*, 5713, 115-122 (2005).
 61. Borowiec A., Tiedje H.F., and Haugen H.K.: *Appl. Surf. Sci.*, 243, 1-4, 129-137 (2005).
 62. Xu X.F., Cheng C.R., and Chowdhury I.H., *J. of Heat Transf. – Tran. of the ASME*: 126, 5, 727-734 (2004).
 63. 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).
 64. 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 al, *1st Int. Conf. on Submillim. Sci. & Tech.*, Oct. 13-15, Phys. Res. Lab., Ahmedabad, India, 1-8 (2004).
- 4. B.I.49. Atanasov P.A., *Opt. Engineering*: 34, 10, 2976-2980 (1995).**
1. Yang Yang, Zhiqiang Pei, Xiqi Zhang, Lei Tao, Yen Wei, Yan Ji, *Chem. Sci.*, 5, 3486-3492 (2014).
 2. Moskvitin G.V., Polyakov A.N., Birger E.M., *Welding International*, 27, 9, 725-734 (2013).
 3. 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).
 4. Lutey A.H.A., "High-speed laser processing of thin single and multi-layer films", *PhD Thesis*, Universita di Bologna, pgs. 159 (2013).
 5. Deleglise M., Cosson B., Knapp W., *ICALEO 2012 - 31st International Congress on Applications of Lasers and Electro-Optics*, 113-118 (2012).
 6. 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).
 7. Roesner A., Scheik S., Olowinsky A., Gillner A., Poprawe R., Schleser M., Reisgen U., *J. Laser Appl.*, 23 (3) 032007, doi:10.2351/1.3600703 (2011).
 8. Binetruy C., Clement S., Deleglise M., Franz C., Knapp W., Oumarou M., Renard J., Roesner A., *Proc. of SPIE*, 8065, art. no. 80650U (2011).
 9. Roesner A., Scheik S., Olowinsky A., Gillner A., Reisgen U., Schleser M., *Physics Procedia*, 12, 2, 373-380 (2011).
 10. Wolf N., *Tailored Light 2, Joining*, Ch. 14, RWTH edition, DOI: 10.1007/978-3-642-01237-2_14, 265-341 (2011).
 11. Binetruy C., Bueter A., Castaing P., Clement S., Deleglise M., Franz C., Giessl A., Roesner A., *29th Intern. Congress on Appl. of Lasers and Electro-Optics, ICALEO 2010 - Congress Proc.*, 103, 562-566 (2010).
 12. Knapp W., Clement S., Franz C., Oumarou M., Renard J., *Physics Procedia*, 5, 2, 163-171 (2010).
 13. Kurosaki Y., Satoh K., *Physics Procedia* 5 (PART 2), 173-181 (2010).
 14. Holtkamp J., Roesner A., Gillner A., *Int. J. Adv. Manufacturing Tech.*, 47, 9-12, SI 923-930 (2010).
 15. Roesner A., Olowinsky A., Gillner A., *ICALEO 2009 - 28th Intern. Congress on Appl. of Lasers and Electro-Optics, Congress Proc.*, 102, 1563-1568 (2009).
 16. Mayboudi Layla S., "Heat Transfer Modelling and Thermal Imaging Experiments in Laser Transmission Welding of Thermoplastics", *PhD Thesis*, Queen's Uni., Canada (2008).
 17. Katayama S., Kawahito Y., *Scripta Materialia*: 59 (12), 1247-125 (2008).
 18. Speka M., Mattei S., Piloz M., Ilie M., *NDT & E International*: 41, 3, 178-183 (2008).
 19. Abed S., Knapp W., *26th Intern. Congress on Applications of Lasers and Electro-Optics, ICALEO 2007 - Congress Proc.* (2007).
 20. Coelho J.M.P., Abreu M.A., Rodrigues F.C., *Optical Engineering*, 46 (6), art. no. 064301 (2007).
 21. Petring D., Polzin R., Becker M., *Springer Series in Optical Sciences*: 128, 285-533 (2007).
 22. Wang C.Y., Bates P.J., Aghamirian M., Zak G., Nicholls R., Chen M., *Welding in the World*: 51, (3-4), 85-90 (2007).
 23. Matayoshi T., Kurosaki Y., *Soc. of Plastics Engineers, Joining of Medical Plastics-Welding, Bonding, and Failure Prevention 2005 2006*, 53-57 (2006).
 24. Kurosaki Y., Matayoshi T., Sato K., *Soc. of Plastics Engin., Joining of Medical Plastics-Welding, Bonding, and Failure Prevention 2005, 2006*, 58-62 (2006).
 25. Kurosaki Y., Matayoshi T., Sato K., *ICALEO 2006 - 25th Intern. Congress on Applications of Laser and Electro-Optics, Congress Proc.*, art. no. 603 (2006).
 26. Poggel M., Gillner A., Russek U., *Kunststoffe International*: 96 (3), 50-54 (2006).
 27. Kurosaki Y., *J. of Quantitative Spectr. & Radiative Transf.*: 93 (1-3 Sp. Iss), 25-41 (2005).
 28. Poprawe R., 14 Mating „Lasertechnik für die Fertigung: Grundlagen, Perspektiven und Beispiele für den Innovativen Ingenieur“, VDI-Buch, 251-289 (2005).
 29. Matayoshi T., Kurosaki Y., *Annual Tech. Conf. - ANTEC, Conf. Proc.* 1, 1210-1214 (2004).
 30. Piqué A., *Photon processing in microelectronics and photonics II*: 27-30 January, 2003, San Jose, California, USA, 4977. Soc. of Photo Optical (2003).
 31. Russek U.A., *Proc. of the 2nd International WLT-Conference on Lasers in Manufacturing LIM*, Munich, 105–111, 1-7 (2003).
 32. Russek U.A., *VDI Berichte*, (1810), 19-30+240 (2003).
 33. Russek U.A., Palmen A., Staub H., Pöhler J., Wenzlau C., Otto G., Poggel M., Kind H., *Proc. SPIE*, 4977, 458-472 (2003).
 34. Kurosaki Y., Matayoshi T., Sato K., *Annual Tech. Conf. - ANTEC, Conf. Proc.*, 1, 1121-1125 (2003).
 35. Abreu M.A., Rodrigues F.C., *Opt. Engineering*: 42, 11, 3365-3373 (2003).
 36. Sato K., Kurosaki Y., Saito T., Satoh I., *Proc. SPIE*, 4637, 528-536 (2002).
 37. Jiménez Peirez J.L., Algatti M.A., Mendoza-Alvarez J.G., Cruz Orea A., *Proc. SPIE*, 4351, 117-122 (2001).
 38. Coelho J.P., Abreu M.A., and Pires M.C., *Optics & Lasers in Eng.*: 34, 4-6, 385-395 (2000).
 39. Brown N., Kerr D., Jackson M.R., Parkin R.M., *Optics & Laser Tech.*: 32, 2, 139-146 (2000).
 40. Rusek J.J., MacIer M., "Propellant Containment via Thermotropic Liquid Crystal Polymers", No. NAWC-WPNS-TP-8346, NAVAL AIR Warfare Center Weapons Div., China Lake, CA (1998).
- 5. 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).**
1. 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).
 2. Udayaphaskar R., Karthikeyan B., Sreekanth P., Philip R., *RSC Advances*, 5, 13590-13597 (2015).
 3. Taleb A., Mesguich F., Onfroy T., Yanpeng X., *RSC Adv.*, 5, 7007-7017 (2015).
 4. Hou X., Wang L., *RSC Advances*, 4(100), 56945-56951 (2014).
 5. Shin H.Y., Shim E.L., Choi Y.J., Park J., Yoon S., *Nanoscale*, 6(24), 14622-14626 (2014).
 6. Hou X., *Materials Letters*, 137, 319–322 (2014).
 7. Singh N.K., Medwal R., Annapoorni S., *Journal of Materials Science*, 49, 24, 8386-8393 (2014).
 8. Mai F.D., Yu C.C., Liu Y.C., Chang C.C., Yang K.H., *J. of Electroanalytical Chem.*, 712, 96-102 (2014).
 9. Chen H.C., Hsu T.C., Liu Y.C., Yu C.C., *Journal of Electroanalytical Chemistry*, 724, 48-54 (2014).
 10. Zhou M., Diao K., Zhang J., Wu W., *Physica E: Low-dimensional Systems and Nanostructures*, 56, 59–63 (2014).
 11. Chen H.C., Ting-Chu Hsu, Yu-Chuan Liu, Kuang-Hsuan Yang, *RSC Adv.*, 4, 10553-10559 (2014).
 12. 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).
 13. Zhang J., Chen Y., Fan T., Zhu Y., *Key Engineering Materials*, 562-565, 826-831(2013).
 14. Hamad S., Podagatlapalli G.K., Tewari S.P., Rao S.V., *J. Phys. D: Appl. Phys.*, 46, 48, 485501 (2013).
 15. 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).
 16. Chang C.-C., Yu C.-C., Liu Y.-C., Yang K.-H., *Journal of Electroanalytical Chemistry*, 696, 38-44 (2013).
 17. Saravanan K., Panigrahi B.K., Krishnan R., Nair K.G M., *J. Appl. Phys.*, 113, (3), 033512 (2013).
 18. Yang K.H., Chang C.M., *Materials Research Bulletin*, 48, 2, 372-377 (2013).
 19. Sudakar C., Singh S., Rao M.S.R., Lawes G., *Springer Series in Materials Science*, 149 (1), 37-68 (2012).
 20. Tan E.Z., Yin P.G., You T.T., Wang H., Guo L., *ACS Appl. Materials & Interfaces*, 4, 7, 3432-3437 (2012).
 21. Chang S.T., Hsieh B.-F., Liu Y.-C., *Thin Solid Films*, 520 (8), 3369-3373 (2012).
 22. Chang C.C., Kuang-Hsuan Yang, Yu-Chuan Liu, Chung-Chin Yu, Yi-Hao Wu, *Analyst*, 137, 4943-4950 (2012).
 23. 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).
 24. Hou X.M., Wang L.X., He G.F., Hao J.C., *CrystEngComm*, 14, 16, 5158-5162 (2012).
 25. Jiang W.F., Zhang Y.F., Wang Y.S., Xu L., Li X.J., *Appl. Surf. Sci.*, 258, 5, 1662-1665 (2011).
 26. Xu Sheng; Wang Zhong Lin, *Nano Research*, 4, 11, 1013-1098 (2011).
 27. Su Q.Q., Ma X.Y., Dong J., Jiang C.Y., Qian W.P., *ACS Appl. Materials & Interfaces*, 3, 6, 1873-1879 (2011).
 28. Im J., Singh J., Soares J.W., Steeves D.M., Whitten J.E., *J. of Physical Chemistry C*, 115 (21), 10518-10523 (2011).

29. 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).
 30. Fukami K., Chourou M.L., Miyagawa R., Noval Á.M., Sakka T., Manso-Silván M., Martín-Palma R.J., Ogata Y.H., *Materials*, 4 (4), 791-800 (2011).
 31. 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).
 32. Habouti S., Mátéfi-Tempfli M., Solterbeck C.-H., Es-Souni M., Mátéfi-Tempfli S., Es-Souni M., *Nano Today*, 6, 1, 12-19 (2011).
 33. He H., Cai W.P., Lin Y.X., Chen B.S., *Langmuir*, 26, 11, 8925-8932 (2010).
 34. 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).
 35. 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).
 36. Gutes A., Carraro C., Maboudian R., *ACS Appl. Mater. & Interfaces*, 1, 11 2551-2555 (2009).
 37. 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).
- 6. B.I.155.** Dikovska Og., Atanasov P.A., Andreev A.Ts., Zafirova B.S., Karakoleva E.I., Stoyancho T.R., *Appl. Surf. Sci.*, 254, 4, 1087-1090 (2007).
2. Sorayaie P., Yusefi M.H., Fallah H.R., Parsanasab G.M., *Applied Physics A*, in press 1-6 (2014).
 3. Fallah H., Harun W., Mohammed W.S., Dutta J., *JOSA B*, 31, 9, 2232-2238 (2014).
 4. Bora T., Fallah H., Chaudhari M., Apiwattanadej T., Harun S. W., Mohammed W.S., Dutta J., *Sensors & Actuators B: Chemical*, 202, 543-550 (2014).
 5. Renganathan B., Ganesan A.R., *Optical Fiber Technology*, 20, 1, 48-52 (2014).
 6. Shobin L.R., Renganathan B., Sastikumar D., Park K.C., Manivannan S., *IEEE Sensors Journal*, 14 (4), 6683023, 1238-1243 (2014).
 7. Mihaiu S., Madarasz J., Pokol G., Szilagyi 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).
 8. Li B., Ju H., *Biochip Journal*, 7, 4, 295-318 (2013).
 9. Muthukumar P., Selvakumari T.M., Rangasami C., Ganesan S., *Digest Journal of Nanomaterials and Biostructures*, 8 (4), 1455-1459 (2013).
 10. Balvedi G.C., Franco M.A.R., *J. of Microwaves, Optoelectronics and Electromagnetic Appl.*, 12, 1, 1-8, (2013).
 11. Fallah H., Chaudhari M., Bora T., Harun S.W., Mohammed W.S., Dutta J., *Optics Letters*, 38, 18, 3620-3622 (2013).
 12. Xiao S.S., Zhao L., Liu Y.H., Lian J.S., *Appl. Surf. Sci.*, 283, 781-787 (2013).
 13. Śmietana M., Myśliwiec M., Grochowski J., Bock W.J., Mikulic P., Wachnicki Ł., Witkowski B.S., Godlewski M., *Proc. SPIE*, 8794, 879413-879413 (2013).
 14. Luo J., Yao J., Lu Y., Ma W., Zhuang X., *Sensors (Switzerland)*, 13, 3, 3986-3997 (2013).
 15. 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).
 16. Creti A., Valeštrini D., Taurino A., Quaranta F., Lomascolo M., Rella R., *J. of Appl. Phys.*, 111, 7, 073520 (2012).
 17. Han Tianyu, Dong Yifan, Li Zeyu, Tong Bin, Shi Jianbing, Zhi Junge, Dong Yuping, *Acta Chimica Sinica*, 70, 10, 1187-1192 (2012).
 18. Konstantaki M., Klini A., Anglos D., Pissadakis S., *Optics Express*, 20, 8, 8472-8484 (2012).
 19. Zhang X., Liu X., Zhang H., Gong P., *J. of Materials Chemistry*, 22, 3, 1167-1172 (2012).
 20. Huang K., Tang Z., Zhang L., Yu J., Lv J., Liu X., Liu F., *Appl. Surf. Sci.*, 258, 8, 3710-3713 (2012).
 21. Renganathan B., Sastikumar D., Gobi G., Rajeswari Yogamalar N., Chandra Bose A., *Optics & Laser Tech.*, 43 (8), 1398-1404 (2011).
 22. Xia J., Sui C., Liu Y., Xu T., *Zhongguo Jiguang/Chinese Journal of Lasers*, 38 (2), 6, 147-152 (2011).
 23. Renganathan B., Sastikumar D., Gobi G., Yogamalar N.R., Bose A.C., *Sensors and Actuators, B: Chemical* 156 (1), 263-270 (2011).
 24. Luigi Zhuang, Ye Ni, *Chin. Micronanoelectronic Technology*, 6, 9, 376-383 (2011).
 25. Adawiya J.Haidar, Nadir F.Habubi, Ali A.Yousif, *Eng. & Tech. Journal*, 28, No.14, 4677-4686 (2010).
 26. Dwivedi D.K., Dayashankar Singh B.B., Dubey M., *Journal of Non-Crystalline Solids*, 356 (31-32), 1563-1568 (2010).
 27. Takagai Y., Nojiri Y., Takase T., Hinze W.L., Butsugan M., Igarashi S., *Analyst*, 135 (6), 1417-1425 (2010).
 28. Renganathan B., Gobi G., Sastikumar D., Srinivasan R., Bose A.C., *Sensor Lett.*, 8, 2, 292-296 (2010).
 29. Prepelita P., Medianu R., Sbarcea B., Garoi F., Filipescu M., *Appl. Surf. Sci.* 256 (6), 1807-1811 (2010).
 30. Valerini D., Creti A., Caricato A.P., Lomascolo M., Rella R., Martino M., *Sensors and Actuators B: Chemical*, 145 (1), 167-173 (2010).
 31. 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).
 32. Sui C.-H., Zheng D., Liu Y.-L., Cai P.-G., Xu X.-J., *Guangdian Gongcheng/Opto-Electronic Engineering*, 36 (10), 94-99 (2009).
 33. Zheng D., Sui C., Cai P., Xu X., *Yi Qi Yi Biao Xue Bao/Chinese Journal of Scientific Instrument*, 30 (SUPPL.), 92-96 (2009).
 34. Laurent K., Yu D.P., Tusseau-Nenez S., Leprince-Wang Y., *J. Phys. D-Appl. Phys.*: 41 (19), 195410 (2008).
 35. Zhang N., Yu K., Li L., Zhu Z., *Appl. Surf. Sci.* 254 (18), 5736-5740 (2008).
 36. 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).
- 7. B.I.142.** Nedialkov N.N., Atanasov P.A., Amoroso S., Bruzzese R., Wang X., *Appl. Surf. Sci.*, 253, 19, 7761-7766 (2007).
1. Inogamov N.A., Zhakhovskiy 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*, in press, 1-7 (2015).
 2. Rapp L., Constantinescu C., Larmande Y., Diallo A.K., Vidolot-Ackermann C., Delaporte P., Alloncle A.P., *Sensors & Actuators A: Physical*, in press (2015).
 3. Lehr J., de Marchi F., Matus L., MacLeod J., Rosei F., Kietzig A. M., *Applied Surface Science*, 320, 455-465 (2014).
 4. Shaheen M.E., Gagnon J.E., Fryer B.J., *Laser Physics*, 24(10), 106102 (2014).
 5. Hu Lifeng, Ping Xue, Lin Caoyu, *J. Wenzhou University: Natural Sci.*, 35, 1, 58-62 (2014).
 6. Bian Qiumei, "Femtosecond laser micromachining of advanced materials", *PhD Thesis*, Dpt. of Industrial & Manufacturing Systems Engin., Kansas State Uni. (2013).
 7. Choubey A., Singh A., Modi M.H., Upadhyaya B.N., Lodha G.S., Oak S.M., *Applied Optics*, 52, 31, 7540-7548 (2013).
 8. Leng N., Jiang L., Li X., Xu C., Liu P., Lu Y., *Appl. Phys. A: Mater. Sci. & Proces.*, 109, 3, 679-684 (2012).
 9. Bian Qiumei, "Femtosecond laser micromachining of advanced materials", *PhD Thesis*, Kansas State Uni. (2012).
 10. D'Abzac F.X., Seydoux-Guillaume A.M., Chmieleff J., Datas L., Poitrasson F., *J. Anal. At. Spectrometry*, 27, 1, 99-107 (2012).
 11. Wu X.B., Ling X., Shi-Quan Luo fung, Duchan Lin, Sun Xiuquan, *Laser & Optoelectronics Progress*, 8, 171-177 (2012).
 12. Fang R., Wei H., Giu X., *ICSEM 2011*, 1, Article N 6081184, 203-206 (2011).
 13. Döring S., Richter S., Nolte S., Tünnermann A., *Proc. SPIE*, 7925, art. no. 792517 (2011).
 14. Kobtsev S.M., Kukarin S.V., Fedotov Y.S., Ivanenko A.V., *Laser Physics*, 21 (2), 308-311 (2011).
 15. Marla D., Bhandarkar U.V., Joshi S.S., *J. of Appl. Phys.*, 109 (2), art. no. 021101 (2011).
 16. Döring S., Richter S., Nolte S., Tünnermann A., *Optics Express*, 18 (19), 20395-20400 (2010).
 17. Baladi A., Mamoori R.S., *5th Intern. Conf. on MEMS NANO, and Smart Systems, ICMENS 2009*, art. no. 5489318, 218-221 (2010).
 18. Wang W., Jiang G., Mei X., Wang K., Shao J., Yang C., *Applied Surface Science*, 256, 11, 3612-3617 (2010).
 19. Hayden C.J., *J. of Micromechanics & Microengin.*, 20 (2), art. no. 025010 (2010).
 20. Qi X., Suh S., *Intern. J. of Heat & Mass Transf.*, 53, 1-3, 41-47 (2010).
 21. 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).
 22. Guillermin M., "Étude du panache d'ablation laser femtoseconde, contrôle et optimisation des procédés", *DSc Thesis*, Uni. Jean Monnet de Saint-Etienne (2009).
 23. Baudelet M., Richardson M., Sigman M., *IEEE Conf. on Technologies for Homeland Security, HST 2009*, N 5168075, 464-468 (2009).
 24. Teghil R., De Bonis A., Galasso A., Villani P., Santagata A., *Proc. of ICNM - 2009*, 242-245 (2009).
 25. Cheng J., Perrie W., Wu B., Tao S., Edwardson S.P., Dearden G., Watkins K.G., *Appl. Surf. Sci.*, 255, 18, 8171-8175 (2009).
 26. Li X., Jiang L., Tsai H.-L., *Proc. SPIE*, 7202, art. no. 72020B (2009).
 27. Qi X., Suh C.S., *IMECE 2008: Mechanics of Solids, Structures & Fluids*, 12, 351-359 (2009).
 28. Bulgakova N.M., "Fundamentals of Ultrafast Laser Processing", Ch.3 in "Ultrafast Laser Processing: From Micro- to Nanoscale", CRC Press, 99-182 (2009).
 29. Qi X., Suh C.S., *J. of Thermal Strasses*, 32 (5) 477-493 (2009).
 30. Guillermin M., Liebig C., Garrelie F., Stoian R., Loir A.-S., Audouard E., *Appl. Surf. Sci.*, 255 (10) 5163-5166 (2009).

31. Tang Xiaojuan, Liu Xiang, Zhong Zhanrong, *Materials Review*, 19, 6, 93-98 (2009).
 32. Qi Xuele, "Ultrafast Laser Induced Thermo-Elasto-Visco-Plastodynamics in Single Crystalline Silicon", *PhD Thesis*, Texas A&M Uni. (2009).
 33. Teghil R., Santagata A., De Bonis A., Albano G., Villani P., Spera D., Parisi G.P., Galasso A., *Physica Scripta*, 78, 5, 058113 (2008).
 34. Gallerie F., "Ablation laser femtoseconde pour le dépôt de couches minces", *Dissertation*, L'Université Jean Monnet, Saint Etienne, 147 pgs. (2008).
 35. Jang J.H., Lin J., *Surface and Coatings Technology* 202 (24), 6136-6141(2008).
- 8. B.I.119.** Nedialkov N.N., Imamova S.E., **Atanasov P.A.**, Berger P., Dausinger F., *Appl. Surf. Sci.*, 247, 243-248 (2005).
1. Ghorbani Z., Parvin P., Reyhani A., Mortazavi S.Z., Moosakhani A., Maleki M., Kiani S., *J. Phys. Chem. C*, 118 (51), 29822-29835 (2014).
 2. Nath A.K., Laser Drilling of Metallic and Nonmetallic Substrates, *Comprehensive Materials Processing*, 9, 115-175 (2014).
 3. 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).
 4. Lutey A.H.A., "High-speed laser processing of thin single and multi-layer films", *PhD Thesis*, Università di Bologna, pgs. 159 (2013).
 5. Zhao X., Shin Y.C., *Appl. Surf. Sci.*, 283, 94-99 (2013).
 6. 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).
 7. Stavropoulos P., Efthymiou K., Chrysosolouris G., *Procedia CIRP*, 3, 471-476 (2012)
 8. Xu B., Song R.G., Wang C., He W.Zh., *Advanced Materials Research*, 538-541, 1888-1891(2012).
 9. Xu B., Song R.G., Wang C., *Advanced Materials Research*, 415-417, 747-750 (2012).
 10. Savolainen J.M., Christensen M.S., Balling P., *Phys. Rev. B*, 84, 19, 193410, 4 pages (2011).
 11. Gill-Comeau M., "Étude par dynamique moléculaire de l'ablation par impulsions laser ultrabrèves de cibles nanocristallines", *MSc Thesis*, Université de Montréal (2011).
 12. Koç M., Özel T., Wu B., Özel T., *Ch. 6. Micro-Laser Processing in "Micro-Manufacturing: Design and Manufacturing of Micro-Products"*, Wiley, DOI: 10.1002/9781118010570 (2011).
 13. Latif A., Khaleeq-Ur-Rahman M., Rafique M.S., Bhatti K.A., *Physica B: Condensed Matter*, 406 (9), 1713-1716 (2011).
 14. Latif A., Khaleeq-Ur-Rahman M., Bhatti K.A., Rafique M.S., Rizvi Z.H., *Physica B: Condensed Matter*, 405 (20), 4250-4255 (2010).
 15. Hu W.Q., Shin Y.C., King G., *Phys. Rev. B*, 82, 9, 094111 (2010).
 16. Hu W.Q., Shin Y.C., King G.B., *J. of Manufacturing Science & Engin. – Transactions of the ASME*, 132, 1, N 011009 (2010).
 17. Hayden C.J., *J. of Micromechanics & Microengin.*, 20 (2), art. no. 025010 (2010).
 18. 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).
 19. Menendez-Manjon A., Jakobi J., Schwabe K., Krauss J.K., Barcikowski S., *J. of Laser Micro Nanoengineering*, 4, 2, 95-99 (2009).
 20. Cheng J., Perrie W., Wu B., Tao S., Edwardson S.P., Dearden G., Watkins K.G., *Appl. Surf. Sci.*, 255, 18, 8171-8175 (2009).
 21. 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).
 22. Wu B., Shin Y.C., *Proc. of the ASME Intern. Manufacturing Sci. and Engin. Conf.* 2009, *MSEC2009*, 1, 853-859 (2009).
 23. Hu D.Z., *Acta Phys. Sinica*, 58 (2) 1077-1082 (2009).
 24. Wu B., Shin Y.C., *Appl. Surf. Sci.* 255 (9) 4996-5002 (2009).
 25. 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).
 26. 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).
 27. Stavropoulos P., Chrysosolouris G., *Intern. J. of Nanomanufacturing*, 1, 6, 736 - 750 (2007).
 28. McDonald J.P., "Near Threshold Femtosecond Laser Interactions with Materials: Ablation Thresholds, Morphologies, and Dynamics", *PhD Thesis*, The Uni. of Michigan, 231 pgs. (2007).
 29. Wu B. and Shin Y.C., *Appl. Surf. Sci.*, 253 (8), 4079-4084 (2007).
 30. Chemnitz R., "Intercalation von Stickstoff und Wasserstoff in Sr₂N sowie ortsabhängige Feststoffcharakterisierung mit Laserablation", *DSc Thesis*, Technischen Universität Dresden, 139 pgs., N 80, (2006).
 31. Xu Bing, Song Renguo, Dai Lina, Deng Lei, *Chin. Photonics Technology*, 2, 5, 138-142 (2006).
 32. Graguanelli L., "Studio del processo di ablazione laser con impulse ultracorti", *MS Thesis*, Università degli studi di Napoli "Federico II", N 12, 100 (2005).
- 9. 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).
1. Yang S., Hao J., Guo X., Huang H., Cui R., Lin G., Li C., Dong J., Sun B., *RSC Advances*, 5, 21634-21639 (2015).
 2. Bisson J.F., Patriarche G., Marest T., Thibodeau J., *Journal of Materials Science*, 1-10 (2014).
 3. Dubey V., Tiwari R., Tamrakar R.K., Rathore G.S., Sharma C., *Infrared Physics & Technology*, in press (2014).
 4. Rajeswara Rao D., Sahaya Baskaran G., Ramesh Babu P., Gandhi Y., Veeraiah N., *Journal of Molecular Structure*, 1073, 164-173 (2014).
 5. Dugandžić I., Lojpur V., Mančić L., Dramićanin M.D., Rabanal M.E., Hashishin T., Tan Z., Ohara S., Milošević O., *Advanced Powder Technology*, 24, 5, 852-857 (2013).
 6. Fan T., Lju J., Li N., *Optical Technology*, F06, 237-240 (2013).
 7. Rajeswara Rao D., Sahaya Baskara, G., Ravi Kuma, V., Veeraiah N., *Journal of Non-Crystalline Solids* 378, 265-272 (2013).
 8. 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).
 9. 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).
 10. Antić Z., Krsmanović R.M., Nikolić M.G., Dordević V., Dramićanin M.D., *Intern. J. of Materials Research*, 104 (2), 216-221 (2013).
 11. 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).
 12. Webster Scott Elliott, "Growth and structure of yttrium sesquioxide epitaxial films", *PhD Thesis*, The Uni. of British Columbia, (2012).
 13. Yao C., Tong Y., *TrAC Trends in Analytical Chemistry*, 39, 60-71 (2012).
 14. Ramesh Babu N.Ch., Valente M.A., Rao N.N., Graca M.P.F., Naga Raju G., Piasecki M., Kityk I.V., Veeraiah N., *J. of Non-Crystalline Solids*, 358, 23, 3175-3186 (2012).
 15. 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).
 16. Srinivasa Rao Ch., Kityk I.V., Sri Kumar T., Naga Raju G., Ravi Kumar V., Gandhi Y., Veeraiah N., *J. of Alloys and Compounds*, 509, 37, 9230-9239 (2011).
 17. 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).
 18. Fan T., Zhang Q.Y., Jiang Z.H., *Journal of Optics*, 13, 1 N: 015001 (2011).
 19. Bradley J.D.B., Pollnau M., *Laser & Photonics Reviews*, 5 (3), 368-403 (2011).
 20. 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).
 21. Martinez A., Morales J., Diaz-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).
 22. Webster S.E., Kumaran R., Penson S., Tiedje T., *J. Vac. Sci. & Technology B: Microelectronics and Nanometer Structures* 28 (3), C3A20-C3A23 (2010).
 23. Tsuchiya M., Bojarczuk N.A., Guha S., Ramanathan S., *Philosoph. Magazine*, 90 (9), 1123-113 (2010).
 24. Lü Q., Wu Y., Ding L., Zu G., Li A., Zhao Y., Cui H., *J. of Alloys & Compounds*, 496 (1-2), 488-493 (2010).
 25. 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).
 26. Qiao Y., Guo H., *J. of Rare Earths*, 27, 3, 406-410 (2009).
 27. Das G.K., Tan T.T.Y., *J. of Phys. Chem. C*, 112, 30, 11211-11217 (2008).
 28. Grivas C., Eason R.W., *J. of Phys.-Condensed Matter*, 20, 26, Nr: 264011 (2008).
 29. Mao Y., Huang J.Y., Ostrovov R., Wang K.L., Chang J.P., *J. of Physical Chemistry C*, 112 (7), 2278-2285 (2008).
 30. Bradley J.D.B., Ay F., Wörhoff K., Pollnau M., *Appl. Phys. B: Lasers and Optics* 89 (2-3), 311-318 (2007).

31. Wörhoff K., Bradley J.D.B., Ay F., Pollnau M., *ECS Transactions* 3 (11), 117-124 (2006).
- 10. B.I.152.** Nedyalkov N.N., Atanasov P.A., Obara M., *Nanotechnology*, 18, 30, 305703 (2007).
1. 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, no. 1, 10 (2015).
 2. Shinohara T., Terakawa M., *Applied Physics A*, 116, 3, 1025-1031 (2014).
 3. Carias H., Chandran H., Vanlue S., Thusu V., "Biomolecular detection using DNA based nanoparticle arrays", Duke Uni., Citeseer, 1-10 (2013).
 4. Boulais E., Lachaine R., Hatf A., Meunier M., *J. of Photochemistry & Photobiology C: Photochemistry Reviews*, 17, 26-49 (2013).
 5. Robitaille A., Boulais É., Meunier M., *Optics Express*, 21, 8, 9703-9710 (2013).
 6. 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).
 7. Askari A.A., Bahrapour A.R., *NANO: Brief Reports and Reviews*, 8, No. 1, 1350003-1-1350003-12 (2013).
 8. 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).
 9. Robitaille A., "Mécanismes d'ablation du silicium par laser ultrarapide amplifié par des nanostructures plasmoniques", *PhD diss.*, École Polytechnique de Montréal, pp. 109 (2012).
 10. Rahimi L., Bahrapour A.R., Pepe G.P., *J. Phys. D: Appl. Phys.*, 45, 47, 475306 (2012).
 11. Shi L., Li H., Du Y., Xie Ch., *JOSA B*, 22, 12, 3377-3385 (2012).
 12. Csete M., Sipos A., Szalai A., Szabo G., *Photonics Journal, IEEE*, 4, 5, 1909-1921 (2012).
 13. Sipos A., Szalai A., Csete M., *Proc. SPIE*, 8323, doi:10.1117/12.916403 (2012).
 14. Hashimoto S., Werner D., Uwada T., *J. of Photochem. & Photobiology C: Photochem. Rev.*, 13, 1, 28-54 (2012).
 15. 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).
 16. Csete M., Sipos A., Szalai A., Szabo G., *arXiv:1112.3335v3*, 1-12 (2011).
 17. Hashimoto S., Uwada T., Hagiri M., Shiraishi R., *J. Phys. Chem. C*, 115 (12), 4986-4993 (2011).
 18. 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).
 19. Nikbakht M., Mahdih M.H., *J. Phys. Chem. C*, 115 (5), 1561-1568 (2011).
 20. Harrison R.K., Ben-Yakar A., *Optics Express*, 18 (21), 22556-22571 (2010).
 21. Carias H., Chandran H., Vanlue S., Thusu V., *Biomolecular Detection using DNA Based Nanoparticle Arrays*, 1-10 (2010).
 22. Nakamura T., Hirata N., Sekino Y., Nagaoka S., Nakajima A., *J. of Phys. Chem. C*, 114 (39), 16270-16277 (2010).
 23. Nakamura T., Hirata N., Nagaoka S., Nakajima A., *Chem. Phys. Lett.*, 489, 1-3, 69-74 (2010).
 24. Niino H., "Hybrid Laser Processing of Transparent Materials", *Laser Precision Microfabrication, Springer Series in Materials Science*, 135, 293-310 (2010).
 25. Plech A., Leiderer P., Boneberg J., *Laser & Photonics Rev.*, 3, 5, 435-451 (2009).
 26. Sen T., Patra A., *Journal of Physical Chemistry C*, 113 (30), 13125-13132 (2009).
 27. Toderas F., Baia M., Farcau V., Astilean S., Ulinici S., *J. of Optoelectron. & Adv. Mater.*, 10 (12) 3265-3269 (2008).
 28. Yamada K., Itoh T., Tsuboi Y., *Appl. Phys. Express*, 1, 8, 0870011-0870013 (2008).
 29. Levchenko I., Ostrikov K., *Nanotechnology*, 19, 33, 335703 (2008).
 30. Khatri O.P., Murase K., Sugimura H., *Langmuir*, 24, 8, 3787-3793 (2008).
 31. Yuan L.Q., Zhong X.X., Ostrikov K., *Nanotechnology*, 19 (15), 155304 (2008).
- 11. 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).
1. Lu H., Tian Z., 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).
 2. Wen X.Y., Huang J., Xiao H., Yang M.H., *Measurement Science and Technology*, 25(11), 114002 (2014).
 3. 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).
 4. Fallah H., Harun S.W., Mohammed W.S., Dutta J., *JOSA B*, 31(9), 2232-2238 (2014).
 5. 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).
 6. 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*, in press (2014).
 7. Poole Z.L., Ohodnicki P., Chen R., Lin Y., Chen K.P., *Optics Express*, 22(3), 2665-2674 (2014).
 8. Rahman M.M., Khan S.B., Asiri A.M., *Microchimica Acta*, 181, 5-6, 553-563 (2014).
 9. Renganathan B., Ganesan A.R., *Optical Fiber Technology*, 20 (1), 48-52 (2014).
 10. Menon P.S., Shaari S., Rashid A.R.A., *Optoelectronics and Advanced Materials, Rapid Communications*, 7, 11-12, 835-839 (2013).
 11. Fallah H., Chaudhari M., Bora T., Harun S.W., Mohammed W.S., Dutta J., *Optics Letters*, 38, 8, 3620-3622 (2013).
 12. Ahmadi Babadi H.R., Yousefi M.H., Mazaheri A., Taheri R., Soraiaie P., "Design and fabrication of gas sensor with used of growth ZnO nanorod semiconductor on optical fibre", in *Optics and Photonic Soc. of Iran*, 10-13 (2013).
 13. 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).
 14. Tyszkiewicz C., Karasiński P., Rogoziński R., *Acta Physica Polonica A*, 122 (5), 915-920 (2012).
 15. Bilro L., Alberto N., Pinto J.L., Nogueira R., *Sensors (Switzerland)*, 12 (9), 12184-12207 (2012).
 16. Zamarreno C. R., Matias I.R., Arregui F. J., *Sensors Journal IEEE*, 12, 8, 2699-2710 (2012).
 17. Rahman M.M., Bahadar Khan S., Jamal A., Faisal M., Asiri A.M., *Chemical Engineering Journal*, 192, 122-128 (2012).
 18. Rahman M.M., Khan S.B., Jamal A., Faisal M., Asiri A.M., *Talanta*, 95, 18-24 (2012).
 19. Rahman M.M., Khan S.B., Jamal A., Faisal M., Asiri A.M., *Microchimica Acta*, 178, 1-2, 99-106 (2012).
 20. 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).
 21. Lúcia Bilro, Nélia Alberto, João L. Pintoand, Rogério Nogueira, *Sensors*, 12 (9), 12184-12207 (2012).
 22. 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. of Physics D: Applied Physics* 44 (42), art. no. 425401 (2011).
 23. Renganathan B., Sastikumar D., Gobi G., Yogamalar N. R., Bose A. C., *Optics & Laser Technology*, 43 (8), 1398-1404 (2011).
 24. Rahman M.M., Jamal A., Khan S.B., Faisal M., *Superlattices and Microstructures*, 50 (4), 369-376 (2011).
 25. Renganathan B., Sastikumar D., Gobi G., Yogamalar N.R., Bose A.C., *Sensors and Actuators, B: Chemical*, 156 (1), 263-270 (2011).
 26. Choi K.-I., Lee J.-H., *Science of Advanced Materials*, 3 (5) 811-820 (2011).
 27. 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).
 28. Khan S.B., Rahman M.M., Jang E.S., Akhtar K., Han H., *Talanta* 84 (4), 1005-1010 (2011).
 29. Rahman M.M., Jamal A., Khan S.B., Faisal M., *ACS Applied Materials & Interfaces*: 3, 4, 1346-1351 (2011)
 30. 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).
- 12. 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).
1. Yang L., Sun P., An R., *Laser Journal*, 34 (6), 55-57 (2013).
 2. Zhao X., Shin Y.C., *J. Phys. D: Appl. Phys.*, 45, 10, 105201 (2012).
 3. Gong X.-F., Yang G.-X., Li P., Wang Y., Ning X.-J., *Intern. J. of Modern Physics B*, 25 (4), 543-550 (2011).
 4. Liu X., Feng P., *Advanced Materials Research*, 97-101, 3807-3810 (2010).
 5. 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).
 6. Bennaceur-Doumaz D., Djebli M., *Appl. Surf. Sci.*, 255, 8, 4595-4599 (2009).
 7. Liu X., Zhou W., Chen C., Zhao L., Zhang Y., *J. of Materials Proces. Tech.*, 203, (1-3), 202-207 (2008).

8. McDonald J.P., "Near Threshold Femtosecond Laser Interactions with Materials: Ablation Thresholds, Morphologies, and Dynamics", *PhD Thesis*, The Uni. of Michigan, pgs. 231 (2007).
9. Huang Z.G., Guo Z.N., Chen X., Yu Z.Q., Yu T.M., Lee W.B., *Nanotechnology* 18 (10) art. no. 105703 (2007).
10. Liu X., Wang Y., Zhao L.-J., *J. of Beijing Inst. of Tech. (Eng. Ed)*: 15 (4), 406-410 (2006).
11. Yamashita Y., Yokomine T., Ebara S., *Int. J. Thermophys.*, 27 (2): 627-646 (2006).
12. Vitiello M., "Ultrashort pulsed laser ablation of solid targets", *Ph D thesis*, Università degli Studi di Napoli Federico II, N 20, 95 (2006).
13. Huang Z.G., Guo Z.N., Chen X., Yue T.M., To S., Lee W.B., *Materials & Manufacturing Processes*, 24, 4, 393-397 (2006).
14. Stapleton M.W., McKiernan A.P., and Mosnier J.P., *J. Appl. Phys.*: 97 (6), 1-12 (2005).
15. Wang Yang, Liu Xuan, Han Rong-di, *Microfabrication Technology*, 2, 5-14 (2005).
16. Hirayama Y. and Obara M., *J. Appl. Phys.*: 97, 6, 1-6 (2005).
17. Hirayama Y. and Obara M., *Proc. SPIE*: 5714, 271-282 (2005).
18. Xu X., *Materials Research Society Symposium Proc.*, 850, 3-11, (2005).
19. Cheng C. and Xu X., *Phys. Rev B*: 72, (16) 1-15, 165415 (2005).
20. Lukes J.R., Abramson A.R., Jian-Gang Weng, *Annual Review of Heat Transfer*, 14, no. 14, 197-224 (2005).
21. Xiamfan Xu, "Fundamentals of Phase Change Processes in Laser-Materials Interaction", *37th AIAA Thermophys. Conf.*, 28 June - 1 July 2004, Portland, Oregon (2004).
22. Cheng C and Xu X, *Appl. Phys. A – Mater. Sci. & Proces.*, 79, 4-6: 761-765 (2004).
23. Cheng C and Xu X, *American Soc. Mechan. Engin., Heat Transfer Division, HTD 375* (3), 541-546 (2004).
24. Mayorov Fedor, "Femtosecond imaging-mode laser-induced breakdown spectroscopy", *PhD thesis*, Kassel Uni. (2004).
25. Zheng L., Lambropoulos J.C., and Schmid A.W., *J. Non-Crystalline Solids*: 347, 1-3, 144-152 (2004).
26. Xu X.F., Cheng C.R., and Chowdhury I.H., *J. of Heat Transf. – Trans. of the ASME*: 126, 5, 727-734 (2004).
27. Conforti P.F., Yingling Y.G., *Applied physics: Materials science & processing*, 79, 757(2004).
28. Lippert T. and Dickinson J.T., *Chem. Rev.* 103 (2), 453-485 (2003).
29. Cheng C and Xu X, *American Soc. Mechan. Engin., Heat Transfer Division, HTD 374* (3), 361-368 (2003).
- 13. 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).**
 1. Krishnan R., Thirumalai J., *RSC Advances*, 4(109), 64258-64266 (2014).
 2. Gherendi F., Nistor M., Antohe S., Ion L., Enculescu I., Mandache N.B., *Semiconductor Sci. & Tech.*, 28, 8, 085002 (5pp) (2013).
 3. Grivas C., *Progress in Quantum Electronics*, 35 (6), 159-239 (2011).
 4. Bekenev V.L., Khyzhun O.Yu., Atuchin V.V., *J. of Alloys and Compounds*, 485 (1-2), 51-58 (2009).
 5. Jelinek M., Flory F., Escoubas L., *Intern. J. of Mater. & Product Tech.*, 34, 4, 438-453 (2009).
 6. Jelinek M., *Laser Physics* 19 (2) 265-273 (2009).
 7. Li H., Wu X., Song R., *Materials Characterization* 59 (8), 1066-1069 (2008).
 8. Pollnau M., Romanyuk Y.E., *Comptes Rendus Physique*, 8 (2), 123-137 (2007).
 9. 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).
 10. 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).
 11. Kuzminykh Y., "Crystalline, rare-earth-doped sesquioxide and YAG PLD-films", *PhD Thesis*, Universität Hamburg, pp.129, N PPat (2006).
 12. Kuzminykh Y., Kahn A., Huber G., *Optical Materials*: 28 (6-7), 883-887 (2006).
 13. 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).
 14. Okato T., *PhD Thesis*, Keio University, 214 pgs. (2006).
 15. Atuchin V.V., Kesler V.G., Maklakova N.Yu., Pokrovsky L.D., Sheglov D.V., *European Phys. J. B*: 51 (2), 293-300 (2006).
 16. Lancok J., Garapon C., Vorlicek V., Jelinek M. and Cernansky M., *Optical Materials*: 28, 4, 360-369 (2006).
 17. 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).
 18. Atuchin V.V., Kesler V.G., Maklakova N.Yu., Pokrovsky L.D., *Solid State Commun.*: 133, 6, 347-351 (2005).
 19. Major A., Aitchison J.S., Smith P.W.E., Langford N., Ferguson A.I., *Opt. Lett.*: 30, 4, 421-423 (2005).
 20. Romanyuk Y.E., Utke I., Ehrentraut D., Apostolopoulos V., Pollnan M., Garcia-Revilla S., Valente R., *J Cryst. Growth*: 269, 2-4, 377-384 (2004).
 21. Armando L. and QINETIQ LTD, "Raman optical waveguide", *EU Patent*: G02B6/134J; H01S3/30 (2004).
 22. Armando L. and QINETIQ LTD, "Raman optical waveguide with refractive index modified by ion implantation and fabrication method", *GB Patent*: GB 2394553 (A) (2004).
 23. Jelinek M., Lancok J., Pavelka M., *Proc. SPIE*: 5226, 335-346 (2003).
 24. Jelinek M., *Czech. J. Phys*: 53, 5, 365-377 (2003).
 25. Mackova A., Perina V., Havranek V., Lancok J., Pavelka M., *Czech. J. Phys. Suppl.*: 53, 1, A241-A246 (2003).
 26. Jelinek M., Lancok J., Pavelka M., *Appl. Phys. A: Mater. Sci. & Proces.*, 74, 4, 481 (2002).
 27. Jelinek M., Lancok J., Pavelka M., *Laser Physics*, 12, 2, 325-328 (2002).
 28. Chety R., Million E., Boudrioua A., Loulergue J.C., Dahoun A., *J. Mater. Chem.*: 11, 2, 657-659 (2001).
- 14. B.I.130. Dikovska A.Og., Atanasov P.A., Vasilev C., Dimitrov I.G., Stoyanchoy T.R., *J. Optoelectron. & Adv. Mater.*, 7, 3, 1329-1334 (2005).**
 1. Khodja S., Touam T., Chelouche A., Boudjouan F., Djouadi D., Hadjoub Z., Fischer A., Boudrioua A., *Superlattices and Microstructures*, 75, 485-495 (2014).
 2. Zendehnam A., Mirzaee M., Miri S., *Bulletin of Materials Science*, 37, (2), 179-183 (2014).
 3. Bhadane H., Samuel E., Dinesh Kumar Gautam, *Surf. Rev. Lett.*, 21, 4, 1450016 (2014).
 4. Kumar R., Kumar G., Umar A., *J. of Nanoscience and Nanotechnology*, 14 (2), 1911-1930 (2014).
 5. 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, Berlin, Heidelberg (2014).
 6. Charles J., Lawrence N., Thiruvankadam S., *Physics Procedia*, 49, 92-99 (2013).
 7. Rashidi N., Kuznetsov V., Dilworth J.R., Pepper M., Dobson P., Edwards P.P., *J. Mater. Chem. C*, 1, 42, 6960-6969 (2013).
 8. Nagayasamy N., Gandhimathination S., Veerasamy V., *Open Journal of Metal*, 3, 8-11 (2013).
 9. Vasil'ev V.A., Chernov P.S., *Journal of Surface Investigation*, 7 (3), 565-571 (2013).
 10. Xiao S.S., Zhao L., Liu Y.H., Lian J.S., *Appl. Surf. Sci.*, 283, 781-787 (2013).
 11. Marwoto P., *Unnes Physics Journal*, 2(1) (2013).
 12. Zendehnam A., Mirzaee M., Miri S., *Bull. Mater. Sci.*, 37(2), 179-183 (2013).
 13. Mirzaee M., Zendehnam A., Miri S., *Scientia Iranica*, 20, 3, 1071-1075 (2013).
 14. Vasiliev V.A., Chernov P.S., *Measurement Techniques*, 55 (12), 1350-1355 (2013).
 15. Gupta M., Chowdhury F.R., Barlage D., Tsui Y.Y., *Applied Physics A*, 110, no. 4, 793-798 (2013).
 16. Cevher O., Cetinkaya T., Tocioglu U., Guler M.O., Akbulut H., *Acta Physica Polonica A*, 123, No. 2, 355-357 (2013).
 17. Zendehnam A., Mirzaee M., Miri S., *Arak Uni., Iran*, 1-22 (2012).
 18. 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).
 19. Er A.O., Farha A.H., Giumiush C., Giunery E., Ufuktepe Y., *Optoelectronics & Advanced Mater.*, 5, 12, 1286-1291 (2011).
 20. Adawiya J.Haidar, Nadir F.Habubi, Ali A.Yousif, *Eng. & Tech. Journal*, 28, No.14, 4677-4686 (2010).
 21. Nicolescu M., Anastasescu M., Preda S., Calderon-Moreno J.M., Stroescu H., Gartner M., Teodorescu V.S., Maraloiu A.V., Kampylafka V., Aperathitis E., Modreanu, M., *J. Optoelectronics & Advanced Mater.*, 12 (6), 1343-1349 (2010).
 22. Sposito A., "Progettazione e realizzazione di un dispositivo elettro-ottico in ossido di zinco", *MS thesis*, Università degli Studi di Palermo, pgs. 102, (2009)
 23. Zhang J., Shao L.X., *J. Optoelectronics & Advanced Materials*, 1, 11, 625-628 (2007).

24. Lorinczi A, Sava F, Tomescu A, Simion C., Socol G., Mihailescu I.N., Popescu M.: *J. Opto. & Adv. Mater.*: 9 (11) 3489-3492 (2007).
 25. Viespe C, Grigoriu C, Popescu M, Sava F., Lorinczi A., Velea A., Zamfira S.: *J. Opto. & Adv. Mater.*: 9 (11): 3563-3566 (2007).
 26. Prepelita P, Baban C, Iacomi F, *J. Optoelectron. & Adv. Mater.*: 9 (7): 2166-2169 (2007).
 27. Caglar M., Caglar Y., Ilcan S, *J. Optoelectronics & Advanced Materials* 8 (4), 1410-1413 (2006).
- 15. 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).**
1. 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 (2014).
 2. Liew S.L., Wang W., Dolmanan S.B., Goh G.T.W., Chi D., *Materials Chemistry and Physics*, 143, 3, 1171-1177 (2014).
 3. Myli K.B., Krisko A.J., German J.R., Hartig K., "Low-maintenance coating technology", *U.S. Patent*, 8,696,879 (2014).
 4. Hagizawa T., Honma T., Kuroki Y., Okamoto T., Takata M., *Ceramics International*, 39 (3), 2851-2855 (2013).
 5. 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).
 6. Krisko A.J., Myli K.B., Plaff G.L., Brownlee J.E., "Low-maintenance coatings", *US Patent*, USRE 044,155 (2013).
 7. Myli K.B., Krisko A.J., Brownlee J.E., Pfaff G.L., *US Patent*, US 08,506,767 (2013).
 8. Krisko A.J., Myli K.B., Pfaff G. L., Brownlee J.E., "Low-maintenance coatings", *US Patent* RE 43,817 (2012).
 9. Usta M., Kahraman S., Bayansal F., Çetinkara H.A., *Superlattices and Microstructures*, 52 (2), 326-335 (2012).
 10. Wang C.-K., Sahu D.R., Sheng-Chang Wang, Chung-Kwei Lin, Jow-Lay Huang, *Phys. D: Appl. Phys.*, 45, 22, 225303 (2012).
 11. Burrows J., Krisko A.J., Myli K.B., *US Patent*, "Photocatalytic coatings having improved low-maintenance properties", 7,862,910 (2011).
 12. Hagizawa T., Honma T., Kuroki Y., Okamoto T., Takata M., *IOP Conf. Ser.: Mater. Sci. Eng.*, 18, art. no. 092009 (2011)
 13. Hagizawa T., Kuroki Y., Okamoto T., Takata M., *Key Engineering Materials*, 421-422, 364-367 (2011).
 14. Hagizawa T., Kuroki Y., Okamoto T., Takata M., *IOP Conf. Ser.: Mater. Sci. Eng.*, 21, 1, art. no. 012019 (2011).
 15. German J., Hartig K., Krisko A.J., Myli K., *US Patent*, "Low-maintenance coating technology", 7,820,296, (2010).
 16. Brownlee J.E., Krisko A.J., Myli K.B., Plaff G.L., *US Patent*, "Low-maintenance coatings, and methods for producing low-maintenance coatings", 7,820,309, (2010).
 17. Vemuri R.S., Bharathi K.K., Gullapalli S.K., Ramana C.V., *ACS Appl. Mater. & Interfaces*, 2, 9, 2623-2628 (2010).
 18. Valova E., Georgieva J., Armanov S., Sotiropoulos S., Hubin A., Baer K., Raes M., *ECS Transactions* 25 (27), 13-24 (2010).
 19. Valova E., Georgieva J., Armanov S., Sotiropoulos S., Hubin A., Baer K., Raes M., *J. Electrochem. Soc.*, 157 (5), D309-D315 (2010).
 20. Hagizawa T., Honma T., Kuroki Y., Okamoto T., Takata M., *Key Engin. Mater.*, 421-422, 364-367 (2010).
 21. Remskar M., Virsek M., Kocmur M., Adolf J., *EU Patent*, WO 2,008,105,745 (A2) (2009).
 22. Remskar M., Virsek M., Kocmur M., Jesih A., "Procedure for the synthesis of threadlike tungsten oxide W₅O₁₄", *EU Patent EP 211,4827* (2009).
 23. Ranjbar M., Zad Al., Mahdavi S.M., *J. Phys D-Appl. Phys.*, 41, 5, 055405 (2008).
 24. Yamamoto S., Inouye A., Yoshikawa M., *Nuclear Instrum. & Methods in Phys. Res. B*: 266, (5), 802-806 (2008).
 25. 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).
 26. Chintalapalle R.V., Utsunomiya S., Julien C.M., Becker U., *ECS Transactions* 1 (15), 37-42 (2006).
 27. Ramana C.V., Utsunomiya S., Ewing R.C., Julien C.M., Becker U., *J. Phys. Chem. B*, 110 (21): 10430-10435 (2006).
- 16. B.I.37. Baeva M.G., Atanasov P.A., J. Phys. D: Appl. Phys.: 26, 546-551 (1993).**
1. Cui ling, Wang Youqing, Li Qing, Huang Hongyan, Zhu Xinzhi, *Applied Laser*, 31, 1, 15-19 (2011).
 2. Huang H., Wang Y., *Chinese Optics Letters*, 9, 1, 011401, 1-4 (2011).
 3. Li Qing, Wang You-qing, Huang Hong-yan, *Laser Technology*, 34(3), 339-342 (2010).
 4. Li Qing, Wang You-qing, Huang Hong-yan, *Laser Technology*, 4, 525-528 (2010).
 5. Huang H.Y., Wang Y.Q., *Optical Engineering*, 49, 11, Art. N 114201 (2010).
 6. Li Q., Wang Y., Huang H., Jia X., *Proc. of SPIE*, 7276, 72760I, 1-6 (2009).
 7. Li Q., Wang Y., Huang H., Jia X., *Proc. of SPIE*, 7276, 72760H, 1-6 (2009).
 8. Adineh V.R., Aghanajafi C., Dehghan G.H., Jelvani S., *Optics and Laser Tech.* 40 (8), 1000-1007 (2008).
 9. Jelvani S., Saeedi S., *Optics and Laser Tech.*: 40 (3), 459-465 (2008).
 10. Jelvani S., Naeimi S.A., Dehghan G., Montazerolghaem M., Esmailpour D., *Optical Engin.*: 45 (10), art. no. 104201 (2006).
 11. Siserir F., Mokhrati A.E., Louhibi D., "Description of a fast-axial-flow CO₂ laser by means of a six-temperature model", 637-1641 (2006).
 12. Siserir F., Louhibi D., *Collection of Tech. Papers - 37th AIAA Plasma Dynamics and Lasers Conf.*, 1, 125-139 (2006).
 13. Amjadi, A., Imangholi, B., *Scientia Iranica*, 10 (4), 443-448 (2003).
 14. Toebeart D., Muys P., Desoppere E., *J. Phys. D: Appl. Phys.*: 29, 7, 1910-1916 (1999).
 15. 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).
 16. Peng X., Li S., Xu L., *Proc. of SPIE*, 2989, 245-249 (1997).
 17. Toebeart D., Muys P., Desoppere E., *Infrared Phys. and Tech.*: 38, 6, 337-355 (1997).
 18. Jiang Dong, Hou Tianjin, Zheng Chongzhong, Lan Ge, Zhou Dingfu, Wang Xingbang, Zhao Gang, Qu Kunhong, Liu Jianxiu, Qu Qianhua, *Proc. of the Meeting*, Beijing, China, USA, 4-5 Nov. 1996., 392-397 (1996).
 19. Peng X., Li S., Zuo D., *Proc. SPIE*, 2889, 398-404 (1996).
 20. Sazhin S., Makhlof M., Leys C., Toebeart D., Vasquez-Malebran S., Wild P., *J. Phys. D: Appl. Phys.*: 27, 6, 1107- 1113 (1994).
 21. Sazhin S., Wild P., Sazhina E., Leys C., and Toebeart D., *Optics and Laser Tech.*: 26, 3, 191 (1994).
 22. Spiridonov M., Leys C., Toebeart D., Sazhin S., Desoppere E., Wild P., and McKenna-Lawlor S.P.M., *J. Phys. D: Appl. Phys.*: 27, 5, 962-969 (1994).
 23. Sazhin S., Wild P., Sazhina E., Makhlof M., Leys C., and Toebeart D., *J. Phys. D: Appl. Phys.*: 27, 3, 464-469 (1994).
 24. Sazhin S., Wild P., Leys C., Toebeart D., and Sazhina E., *J. Phys. D: Appl. Phys.*: 26, 11, 1872-1883 (1993).
- 17. 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).**
1. Shih W.C., Sun X.Y., *Physica B: Condensed Matter*, 405 (6), 1619-1623 (2010).
 2. Shih W.C., Sun X.Y., Wang T.L., Wu M.S., *Ferroelectrics*, 381, 92-99 (2009).
 3. Jelinek M., Flory F., Escoubas L., *Intern. J. of Mater. & Product Tech.*, 34, 4, 438-453 (2009).
 4. Wen-Cheng Sung, "Fabrication of LiNbO₃ thin film by RF magnetron sputtering", *MS Thesis*, Institute of Opto-Electronic Engineering, Tatung Uni., 117 pgs. (2009).
 5. Jelinek M., *Laser Physics* 19 (2) 265-273 (2009).
 6. Johnston B.F., "Fabrication and characterisation of poled ferroelectric optical crystals", *PhD thesis*, Macquarie Uni., Australia, pgs. 248 (2009).
 7. Wang X.-C., Ye Z.-Z., Zhao B.-H., *Guangdianzi Jiguang/Journal of Optoelectronics Laser*, 19 (11), 1486-1489 (2008).
 8. 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).
 9. 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).
 10. Wang X., Ye Z., Li G., Zhao B., *J. of Crystal Growth* 306 (1), 62-67 (2007).
 11. Fu-Tsai Hwang, "The Study of Lithium Niobate Thin Films by RF Sputtering Method", *PhD Thesis*, Optics and Photonics Dpt., China, 115 pgs. (2006).
 12. Okato T., *PhD Thesis*, Keio University, 214 pgs. (2006).
 13. Jelinek M., Kocourek T., Flory F., Escoubas L., Mazingue T., *NATO Sci. Ser. II: Mathem., Phys. and Chem.*, 223, 197-210 (2006).
 14. 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).
 15. May-Smith T.Ch., "Pulsed laser deposition of thick multilayer garnet crystal films for waveguide laser devices", *PhD Thesis*, SOTON, pgs. 213 (2005).
 16. Fu-Tsai Hwang, "The study of lithium niobate thin films by RF sputtering method", *PhD thesis*, Optics and Photonics Dpt. (2005).

17. Di Bin P., Di Bin C., Bouibrine I., Canale L., *Proc. SPIE*, 5250, 294-301 (2004).
 18. Bornand V., Huet I., Papet Ph., *Materials Chemistry and Physics*, 77, 2, 571-577 (2003).
 19. Jelinek M. et al, *Proc. SPIE*: 5226, 335-346 (2003).
 20. 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 (2003).
 21. Jelinek M., *Czech. J. Phys.* 53, 5, 365-377 (2003).
 22. Bornand V., Papet P., *Ferroelectrics*: 288, 187-197 (2003).
 23. 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).
 24. Jiang Y.D., McGee J., Polley T.A., Schwerzel R.E., Hunt A.T., *Mater. Res. Soc. Symp. – Proc.*, 688, 297-302 (2002).
- 18. B.I.83. Atanasov P.A.,** Eugenieva E.D., Nedialkov N.N., *J. Appl. Phys.*: 89, 4, 2013-2016 (2001).
1. Sinha S., *Ceramics International*, in press (2015).
 2. Tangwarodomnukun V., Wang J., Huang C.Z., Zhu H.T., *International Journal of Machine Tools and Manufacture*, 79, 1–16 (2014).
 3. 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).
 4. 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).
 5. 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).
 6. Ahn D., Seo C., Kim D., *J. of Applied Physics*, 112, no. 12, 124916-124916 (2012).
 7. Ahn D., Jang D., Choi T.-Y., Kim D., *Appl. Phys. Lett.*, 100, 104104 (2012).
 8. Lin H.-K., Lee Ch.-J., Hu T.-T., Li Ch.-H., Huang J. Ch.Ch., *Optics & Laser Engineering*, 50, 6, 883-886 (2012).
 9. Samant A.N., Dahotre N.B., *International J. of Applied Ceramic Technology*, 8 (1), 127-139 (2011).
 10. 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).
 11. Kim D.S., "The investigation of thermal response for via hole drilling subjected to short pulsed laser", 10, 187-188 (2009).
 12. Ho C.Y., Wen M.Y., Tsai Y.-H., *J. of the Australian Ceramic Society* 45 (2), 59-63 (2009).
 13. Samant A.N., Dahotre N.B., *Ceramics International* 35 (5), 2093-2097 (2009).
 14. Samant A.N., Dahotre N.B., *International J. of Machine Tools and Manufacture* 48 (12-13), 1345-1353 (2008).
 15. "Analysis of photomechanical damages in laser drilling of thin silicon wafer", 11, 747-748 (2008).
 16. Osvay K., Képiró I. and Berkesi O., *Appl. Surf. Sci.*, 252, 13 SPEC. ISS., 4516-4522 (2006).
 17. Patil R.H., "Thermal modeling of laser drilling and cutting of engineering materials", *MS Thesis*, Oklahoma State Uni., USA, 133 pgs. (2005).
 18. Lan Bin, "Laser-assisted MEMS fabrication by third harmonic DPSS Nd: YAG laser", *Thesis, ME*, Nat. Uni. of Singapore (2004).
 19. Lee D.W. and Cheng M.D., *J. Aerosol Sci.*: 35 (12), 1513-1526 (2004).
 20. Ho C.Y. and Lu J.K., *J. Mater. Process. Tech.*: 140, 260-265 Sp. Issue (2003).
 21. Li C.F., Johnson D.B., and Kovacevic R., *P.I. Mech. Eng. B-J Eng.*: 217, 5, 583-600 (2003).
 22. Li C.F., Johnson D.B., and Kovacevic R., *Int. J. Mach. Tool Manuf.*: 43, 9, 925-936 (2003).
- 19. 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).
1. Wu C., Zhigilei L.V., *Applied Physics A*, 114, 1, 11-32 (2014).
 2. Wu C., Karim E.T., Volkov A.N., Zhigilei L.V., *Lasers in Materials Science*, Springer Series in Materials Science, 191, 67-100 (2014).
 3. 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).
 4. Stavropoulos P., Efthymiou K., Chrysosolouris G., *Procedia CIRP*, 3, 471–476 (2012).
 5. Ryser M., Neff M., Pilz S., Burn A., Romano V., *Proc. SPIE*, 8237, N: 82373I, DOI: 10.1117/12.908045 (2012).
 6. Lewis L.J., Perez D., "Principles and Applications in the Preparation of Nanomaterials" in *"Computer Models in Laser Ablation in Liquids"*, 111–156 (2012).
 7. Gill-Comeau M, Lewis L.J., *Phys. Rev. B*, 84, 22, 224110, 16 pgs. (2011).
 8. 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. Miotello A., Ossi P.M., Springer, 130, 43-79 (2010).
 9. Stasic J., Gakovic B., Krmpot A., Pavlovic V., Trtica M., Jelenkovic B., *Laser and Particle Beams*, 27, 4, 699-707 (2009).
 10. Stasic J., Trtica M., Gakovic B., Petrovic S., Batani D., Desai T., Panjan P., *Appl. Surf. Sci.* 255 (8), 4474-4478 (2009).
 11. Stasic J., Trtica M., Gakovic B., Batani D., Desai T., Brankovic G., *Appl. Surf. Sci.* 255 (19), 8221-8225 (2009).
 12. 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).
 13. Cebollada A., Martin J.M.G., Clavero C., Balcells L.I., 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).
 14. Stasic J., Trtica M., Gakovic B., Petrovic S., Batani D., Desai T., Panjan P., *App. Surf. Sci.* 255, 8, 4474-4478 (2009).
 15. 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)
 16. Stavropoulos P., Chrysosolouris G., *International J. of Nanomanufacturing*, 1, 6, 736 - 750 (2007).
 17. McDonald J.P., "Near Threshold Femtosecond Laser Interactions with Materials: Ablation Thresholds, Morphologies, and Dynamics", *PhD Thesis*, The Uni. of Michigan, pgs. 231 (2007).
 18. Ni Xiaochang, Wang Chingyue, Liang Jianguo, *Acta Photonica Sinica*, 35, 1, 1-4 (2006).
 19. Hegazy M.S., Elsayed-Ali H.E., *J. Appl. Phys.*, 99, 5, 054308 (2006).
 20. Sharma A.K. and Thareja R.K.: *J. Appl. Phys.*, 98, 3, 033304, 1-5 (2005).
 21. Amoroso S. and Vitiello M.: *Proc. SPIE*, 5830, 11-20 (2005).
- 20. 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).
1. Orabona E., Pallotti D., Fioravanti A., Gherardi S., Sacerdoti M., Carotta M.C., Maddalena P., Lettieri S., *Sensors and Actuators B: Chemical*, in press (2015).
 2. Park S., Kim H., Kim D., *Journal of the Korean Physical Society*, 66(1), 31-36 (2015).
 3. Li J.Y., Chang S.P., Hua W.C., Chang S.J., *Journal of Nanoelectronics and Optoelectronics*, 9(3), 388-391 (2014).
 4. Mariappan R., Ponnuswamy V., Suresh P., Ashok N., Jayamurugan P., Chandra Bose A., *Superlattices and Microstructures*, 71, 238–249 (2014).
 5. Ghosh S., RoyChaudhuri C., Bhattacharya R., Saha H., Mukherjee N., *ACS Appl. Mater. Interfaces*, 6 (6), 3879-3887 (2014).
 6. Kung C.Y., Huang 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).
 7. Park S.-J., Kim H., Kim D., *Korean Journal of Materials Research*, 24, 1, 19-24 (2014).
 8. Nizamidin P., Yimit A., Abdurrahman A., Itoh K., *Sensors and Actuators B*, 176, 460-466 (2013).
 9. Kim O.-K., Kim H., Kim K., *Korean J. of Materials Research*, 22 (5), 237-242 (2012).
 10. Oruç F. B., "ZnO, TiO₂ and exotic materials for low temperature thin film electronic devices", *MS Thesis*, Bilkent Uni., Turkey, 92 pgs. (2012).
 11. Kim O.K., Kim H., Kim D., *Journal of Materials Research*, 22(11), 609-614 (2012).
 12. Yasin P., Yimit A., Rahman E., Nizamidin P., *Chem. Res. Chinese Universities*, 28(4), 682-685 (2012).
 13. Elmehdi E., Rafik B.C., Hafedh B.O., *Akademia*, ea0111/86 (2012).
 14. Elakrmi E., Chaabane R.B., Ouada H.B., *Akademia*, 2, 1, ea0111, 1-9 (2012).
 15. Dai M., Xu F., Lu Y., Liu Y., Xie Y., *Appl. Surf. Sci.*, 257 (8), 3586-3591 (2011).
 16. Abdurrahman R., Yimit A., Ablat H., Mahmut M., De Wang J., Itoh K., *Analytica chimica acta*, 658(1), 63-67 (2010).
 17. Jung H., Ahn E., Le Hung N., Oh D., Kim H., Kim D., *Korean J. of Mater. Res.*, 19 (11), 607-612 (2009).
 18. Ahn E., Jung H., Le Hung N., Oh D., Kim H., Kim D., *Korean J. of Mater. Res.*, 19 (11), 631-636 (2009).
 19. Makarona E., Speliotis Th., Niarchos G., Niarchos D., Tsamis C., *Physica Status Solidi (C) Current Topics in Solid State Physics* 5 (12), 3809-3812 (2008).

20. 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).
21. Ilcan S., Caglar Y., Caglar M., Demirci B., *J. of Optoelectron. & Adv. Mater.*, 10 (10), 2592-2598 (2008).

B.I.129. Stanimirova T.J., Atanasov P.A., Dimitrov I.G., Dikovska A.Og., *J. Optoelectronics & Advanced Mater.*, 7, 3, 1335-1340 (2005).

1. Tyagi P., Sharma A., Tomar M., Gupta V., *Procedia Engineering*, 87, 1075-1078. (2014).
2. 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).
3. Tyagi P., Sharma A., Tomar M., Gupta V., *Conference Papers in Science*, 2014, 812627, 1-4 (2014).
4. Ungureanu A.M., Oprea O., Vasile B.S., Andronescu C., Voicu G., Jitaru I., *Central European Journal of Chemistry*, 12 (9), 909-917 (2014).
5. 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*, 1-8 (2013).
6. Dukšienė N., Sinkevičiūtė D., *J Solid State Electrochem.*, 17, 4, 1175-1184 (2013).
7. 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).
8. Sharma A., Tomar M., Gupta, V., *Sensors and Actuators, B: Chemical*, 181, 735-742 (2013).
9. Sharma A., Tomar M., Gupta, V., *Sensors and Actuators, B: Chemical*, 176, 875-883 (2013).
10. 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).
11. Sanchez P., Zamarrero C.R., Hernaez M., Del Villar I., Matias I.R., Arregui F.J., *Proc. SPIE*, 8421, 84216B, 10.1117/12.975021 (2012).
12. Zhong Zhiyou, Zhang Teng, Wang Hao, *J. of South-Central Uni. for Nationalities*, 31 (3), 66-67 (2012).
13. Chinnappa L., Ravichandran K., Periatthambi T., Muruganantham G., Sriram S., Sakthivel B., *J. of Applied Sciences*, 12, 16, 1651-1655 (2012).
14. 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).
15. Tran Thi Thanh Van, "Vitrocramiques Nano-structurees SiO₂-SnO₂ sous forme de monolithes et de guides d'ondes planaires elabores par voie sol-gel: caracterisation structurale et activation par des ions de terres rares", *PhD thesis*, Uni. Lille, pp. 155 (2012).
16. Sharma A., Tomar M., Gupta, V., *Sensors and Actuators, B: Chemical* 156 (2), 743-752 (2011).
17. Saipriya S., Sultan M., Singh R., *Physica B: Condensed Matter* 406 (4), 812-817 (2011).
18. Mesarosh L.V., Chuchman M.P., Kacher I.E., *Uzhhorod University Scientific Herald. Series Physics*, 28, 129-134 (2010).
19. Sharma A., Prakah D., Verma K.D., *J. Optoelectronics & Advanced Mater.*: 1 (12), 683-688 (2007).
20. Viespe C., Grigoriu C., Popescua M., *J. Optoelectronics & Advanced Mater.*: 9 (11), 3563-3566 (2007).

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).

1. Roy D., Anil Kumar P.S., *Journal of Applied Physics*, 115, 7, Article N 073906 (2014).
2. Masoudpanah S.M., Seyyed Ebrahimi S.A., Ong C.K., *J. of Magnetism and Magnetic Materials*, 315, 81-85 (2014).
3. Katlakunta S., Praveena K., Singh R., *Materials Science-Poland*, 31, no. 4, 581-586 (2013).
4. Roy D., Kumar P.S., "Control of magnetization reversal in oriented Strontium Ferrite thin films", *arXiv preprint arXiv:1308.0171* (2013).
5. Harris V.G., *IEEE Transactions on Magnetism*, 48, 3, 1075-1104 (2012).
6. Harris V.G., "Macrowave Magnetic Materials", *Handbook of Magnetic Materials*, 20, 1-63 (2012).
7. Masoudpanah S.M., Seyyed Ebrahimi S.A., Ong C.K., *J. of Magnetism and Magnetic Materials*, 324, 17, 2654-2658 (2012).
8. Zi Zhenfa, Lu Jian Guo, Hong-yan, Fang Lin, Chun-Qiang, Zhu Xuebin, Dai Jianming, *J. of Functional Materials*, 1418-1420 (2011).
9. Masoudpanah S.M., Ebrahimi S.A.S., *Thin Solid Films*, 520 (1), 199-203 (2011).
10. Li Y.Q., Huang Y., Qi S.H., Niu F.F., Niu L., *J. of Magnetism and Magnetic Materials*, 323 (16), 2224-2232 (2011).
11. Masoudpanah S.M., Seyyed Ebrahimi S.A., *Research on Chemical Intermediates*, 37 (2-5), 259-266 (2011).
12. Huang Ping, Han Man-gui, *Magnetic Materials and Devices*, 41, 2, 42-45 (2010).
13. Chen Zhongyan, Feng Zekun, Bear-hyun, *Magnetic Materials and Devices*, 41, 2, 22-24 (2010).
14. 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).
15. 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).
16. Ghasemi A., Morisako A., Liu X., *J. of Magnetism and Magnetic Materials* 320 (18), 2300-2304 (2008).
17. Solís Díaz C., "Películas delgadas epitaxiales de Sr₁Fe₆O₁₃ obtenidas mediante PLD: Relación entre microestructura y propiedades de transporte electrónico a alta temperatura", *PhD Thesis*, Dept. de Física, UAB, Castellà, pp. 129 (2007).
18. Chou Mei-Ni, "Epitaxial Growth of Hexagonal Ferrite Films by Thermal Spray", *MS Thesis*, Stony Brook Uni., USA, pp. 60 (2007).
19. Kado T., *J. Appl. Phys.*, 100 (5): Art. No. 053906 (2006).
20. 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.118. Imamova S.E., Atanasov P.A., Nedialkov N.N., *Nucl. Instr. Meth. Phys. Res. B*, 227, 4, 490-498 (2005).

1. Vo Van Hoang, Nguyen Truong Long, Do Ngoc Son, *Computational Materials Science*, 95, 491-501 (2014).
2. Yao W.J., Wang J.Y., Lee J.S., *Advanced Materials Research*, 690 693, 1840-1845 (2013).
3. Tang H., Bai M., Dou Y., Ran Q., Lo G.V., *Nucl. Instr. Meth. in Physi. Res. B*, 301, 36-40 (2013).
4. Yao W.J., Li J.S., Wang J.Y., Wang N., *Journal of Alloys and Compounds*, 543, 5, 176-180 (2012).
5. Stavropoulos P., Efthymiou K., Chrysosolouris G., *Procedia CIRP*, 3, 471-476 (2012).
6. Ma Y., Garofalini S.H., *J. Am. Chem. Soc.*, 134 (19), 8205-8211 (2012).
7. Phuoc Duy T., Van Hoang V., *Physica B: Condensed Matter*, 407 (6), 978-984 (2012).
8. Koç M., Özel T., Wu B., Özel T., *Ch. 6. Micro-Laser Processing in "Micro-Manufacturing: Design and Manufacturing of Micro-Products"*, Wiley, (2011).
9. Becquart C.S., Domain C., *Metallurgical and Materials Transactions A*, 42 (4), 852-870 (2011).
10. Hu W.Q., Shin Y.C., King G., *Phys. Rev. B*, 82, 9, 094111 (2010).
11. Wu B., Shin Y.C., *Proc. of the ASME Intern. Manufacturing Sci. and Engin. Conf. 2009, MSEC2009* 1, 853-859 (2009).
12. Cheng J., Perrie W., Wu B., Tao S., Edwardson S.P., Dearden G., Watkins K.G., *Appl. Surf. Sci.*, 255, 18, 8171-8175 (2009).
13. Van Hoang V., Cuong N.H., *Physica B: Condensed Matter* 404 (2) 340-346 (2009).
14. Wu B., Shin Y.C., *Appl. Surf. Sci.* 255 (9) 4996-5002 (2009).
15. Stavropoulos P., Chrysosolouris G., *Intern. J. of Nanomanufacturing*, 1, 6, 736-750 (2007).
16. Upadhyay A.K., Urbassek H.M., *J. of Physics D: Applied Physics* 40 (11), art. no. 039, 3518-3526 (2007).
17. Gu X. and Umbassek H.M., *Appl. Surf. Sci.*, 253 (9), 4142-4149 (2007).
18. Wu B. and Shin Y.C., *Appl. Surf. Sci.*, 253 (8), 4079-4084 (2007).
19. Gu X. and Umbassek H.M., *J. Phys. D: Appl. Phys.*, 39 (21), art. N 018, 4621-4627 (2006).

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