

## Всички цитати

- **Звено:** ( ИОМТ ) Институт по оптически материали и технологии „Академик Йордан Малиновски”
- **Година:** 2016 ÷ 2016
- **Тип записи:** Всички записи

Брой цитирани публикации: 160

Брой цитиращи източници: 381

---

1993

---

1. Martin, T.P., **Malinowski, N**, Zimmermann, U., Naehler, U., Schaber, H.. Metal coated fullerene molecules and clusters. *The Journal of Chemical Physics*, 99, 5, American Institute of Physics, 1993, 4210-4212. ISI IF:3.615

Цитира се е:

1. Harnisch, M., Daxner, M., Scheier, P., Echt, O. Adsorption of sodium and cesium on aggregates of C60 (2016) *European Physical Journal D*, 70 (9), art. no. 192, , @2016

---

1994

---

2. Naher, U, Frank, S, **Malinowski, N**, Zimmermann, U, Martin, TP. Fission of highly-charged alkali-metal clusters. *Zeitschrift fur physik D-atoms molecules and clusters*, 31, 3, SPRINGER VERLAG, 1994, ISSN:0178-7683, 191-197. ISI IF:1.25

Цитира се е:

2. Renzler, M., Harnisch, M., Daxner, M., Kranabetter, L., Kuhn, M., Scheier, P., Echt, O. Fission of multiply charged alkali clusters in helium droplets - Approaching the Rayleigh limit (2016) *Physical Chemistry Chemical Physics*, 18 (15), pp. 10623-10629, @2016

3. Zimmermann, U, **Malinowski, N**, Naher, U, Frank, S, Martin, TP. Producing and detecting very large clusters. *Zeitschrift fur physik D-atoms molecules and clusters*, 31, 1-2, SPRINGER VERLAG, 1994, ISSN:0178-7683, 85-93. ISI IF:1.25

Цитира се е:

3. Markush, P., Bolognesi, P., Cartoni, A., Rousseau, P., Maclot, S., Delaunay, R., Domaracka, A., Kocisek, J., Castrovilli, M.C., Huber, B.A., Avaldi, L. The role of the environment in the ion induced fragmentation of uracil (2016) *Physical Chemistry Chemical Physics*, 18 (25), pp. 16721-16729., @2016

4. **Kitova, S.**, Eneva, J, Panov, A., Haefke, H.. Infrared photography based on vapor-deposited silver sulfide thin films. *Journal of Imaging Science and Technology*, 38, 5, Society for Imaging Science and Technology, 1994, ISSN:1062-3701, 484-488. ISI IF:0.514

Цитира се е:

4. Tang, R., Su, H., Sun, Y., (...), Zeng, S., Sun, D., Facile Fabrication of Bi<sub>2</sub>WO<sub>6</sub>/Ag<sub>2</sub>S Heterostructure with Enhanced Visible-Light-Driven Photocatalytic Performances,

5. Sharma, V., Tarachand, Ganesan, V., Okram, G.S., Zeta-potential and particle size studies of silver sulphide nanoparticles, AIP Conference Proceedings, 1731, 050087, 2016, @2016
6. Díaz, M.O., Ramos Murillo, M., Elizalde Galindo, J.T., Enríquez-Carrejo, J.L., Montes, H.C., Hernández Paz, J.F., Castillo, A.C., Rodríguez González, C.A., Absorbance and current-voltage hysteresis curve of silver sulfide thin films synthetized by solid-vapor reactions, Chalcogenide Letters, 13 (5), pp. 201-206, 2016, @2016
5. Zimmermann, U., **Malinowski, N**, Naehler, U., Frank, S., Martin, T.P.. Multilayer Metal Coverage of Fullerene Molecules. Physical Review Letters, 72, 22, 1994, ISSN:0031-9007, 3542-3545. ISI IF:6.626

Цитира се в:

7. Harnisch, M., Daxner, M., Scheier, P., Echt, O. Adsorption of sodium and cesium on aggregates of C<sub>60</sub> (2016) European Physical Journal D, 70 (9), art. no. 192, @2016
6. Zimmermann, U., Burkhardt, A., **Malinowski, N**, Naehler, U., Martin, T.P.. Quantum Chemical Study of Lithium - C<sub>60</sub> Clusters. The Journal of Chemical Physics, 101, 3, 1994, ISSN:0021-9606, 2244-2249. ISI IF:3.635

Цитира се в:

8. Tian, K.V., Mahmoud, M.Z., Cozza, P., Licoccia, S., Fang, D.-C., Di Tommaso, D., Chass, G.A., Greaves, G.N. Periodic vs. molecular cluster approaches to resolving glass structure and properties: Anorthite a case study (2016) Journal of Non-Crystalline Solids, 451, pp. 138-145., @2016

---

## 1995

---

7. Zimmermann, U, **Malinowski, N**, Burkhardt, A, Martin, TP. Metal-coated fullerenes. Carbon, 33, 7, PERGAMON-ELSEVIER SCIENCE LTD, 1995, ISSN:0008-6223, DOI:10.1016/0008-6223(95)00028-C, 995-1006. ISI IF:6.89

Цитира се в:

9. Harnisch, M., Daxner, M., Scheier, P., Echt, O. Adsorption of sodium and cesium on aggregates of C<sub>60</sub> (2016) European Physical Journal D, 70 (9), art. no. 192, ., @2016

---

## 1996

---

8. Springborg, M., Satpathy, S., **Malinowski, N**, Zimmermann, U., Martin, T.P.. Electronic Shell Structure and Relative Abundances of Cesium Coated C<sub>60</sub>. Phys. Rev. Lett, 77, 6, 1996, ISSN:0031-9007, 1127-1130. ISI IF:6.477

Цитира се в:

10. Harnisch, M., Daxner, M., Scheier, P., Echt, O. Adsorption of sodium and cesium on aggregates of C<sub>60</sub> (2016) European Physical Journal D, 70 (9), art. no. 192, , @2016

9. Frank, S., **Malinowski, N**, Tast, F., Heinebrodt, M., Billdas. I.M.L., Martin, T.P.. Optical response of cesium coated C60. Zeitschrift für Physik D Atoms, Molecules and Clusters, 40, 1, Springer-Verlag, 1997, ISSN:0178-7683, DOI:10.1007/s004600050203, 250-253. ISI IF:1.581

Цитира се в:

11. Harnisch, M., Daxner, M., Scheier, P., Echt, O. Adsorption of sodium and cesium on aggregates of C60 (2016) European Physical Journal D, 70 (9), art. no. 192, , @2016

10. Tast, F., **Malinowski, N**, Frank, S., Heinebrodt, M., Billas, I., Martin, T.P.. Transition metal coated fullerenes. Zeitschrift für Physik D Atoms, Molecules and Clusters, 40, 1997, ISSN:0178-7683, 351-354. ISI IF:1.581

Цитира се в:

12. Harnisch, M., Daxner, M., Scheier, P., Echt, O. Adsorption of sodium and cesium on aggregates of C60 (2016) European Physical Journal D, 70 (9), art. no. 192, , @2016

13. Harnisch, M., Daxner, M., Scheier, P., Echt, O. Adsorption of sodium and cesium on aggregates of C60 (2016) European Physical Journal D, 70 (9), art. no. 192, , @2016

11. Branz, W., Billas, IML, **Malinowski, N**, Tast, F., Heinebrodt, M., Martin, TP. Cage substitution in metal-fullerene clusters. JOURNAL OF CHEMICAL PHYSICS, 109, 9, AMER INST PHYSICS, CIRCULATION FULFILLMENT DIV, 1998, ISSN:0021-9606, DOI:10.1063/1.477410, 3425-3430. ISI IF:3.017

Цитира се в:

14. El Mahdy, A. M. Density functional investigation of CO and NO adsorption on TM-decorated C-60 fullerene APPLIED SURFACE SCIENCE Volume: 383 Pages: 353-366 2016, @2016

15. Darvish Ganji, M., Agheb, R., Darvish Ganji, H., Ashrafiyan, S. First principles computational investigation on the possibility of Pt-decorated SiC hexagonal sheet as a suitable material for oxygen reduction reaction (2016) Journal of Physics and Chemistry of Solids, 88, pp. 47-53, @2016

16. Mazurek, A. Electron donor acceptor descriptors of the single and double bonded substituent and heteroatom incorporation effects. A review (2016) Acta Poloniae Pharmaceutica - Drug Research, 73 (2), pp. 269-283., @2016

17. El Mahdy, A.M., Taha, H.O., Kamel, M.A., El Shemy, F. Density functional theory study of hydrogen storage on Ni-doped C 59X (X = B, N) heterofullerene (2016) Molecular Physics, 114 (9), pp. 1539-1558., @2016

18. Padole, M.C., Deshpande, P.A. Tailoring Surface Adsorption and Reactivity of Fullerene-Based Compounds: A Theoretical Probe into C2-Gas-Fullerene Surface Interactions (2016) Journal of Physical Chemistry C, 120 (23), pp. 12654-12665, @2016

19. Ganji, MD, Agheb, R, Ganji, HD, Ashrafiyan, S, First principles computational investigation on the possibility of Pt-decorated SiC hexagonal sheet as a suitable material

12. Dimitrov, D, Tzotcheva, D., Kovacheva, D.. Calorimetric study of amorphous Sb-Se thin films. Thin Solid Films, 323, 1998, 79-84. ISI IF:1.759

Цитира се в:

20. A.H. Ammar, A.M. Farid, A.A.M. Farag "Non-isothermal kinetic analysis of crystallization of vacuum prepared Se90In9.9Cu0.1 alloy thin films" Journal of Non-Crystalline Solids Vol. 434, pp. 85–91 (2016), @2016

13. Konstantinov, I, Babeva, T, Kitova, S. Analysis of errors in thin-film optical parameters derived from spectrophotometric measurements at normal light incidence. Applied Optics, 37, 1998, 4260-4267. ISI IF:1.784

Цитира се в:

21. Atta, A.A., El-Nahass, M.M., Elsabawy, K.M., Abd El-Raheem, M.M., Hassanien, A.M., Alhuthali, Badawi, A., Merazga, A., Optical characteristics of transparent samarium oxide thin films deposited by the radio-frequency sputtering technique, Pramana - Journal of Physics, 87 (5), 72, 2016, @2016

22. Zeyada, H.M., El-Nahass, M.M., El-Shabaan, M.M., Comparable structural and optical properties of 4H-pyrano [3, 2-c] quinoline derivatives thin lms, Philosophical Magazine, 96 (12), pp. 1150-1170, 2016, @2016

23. El-Nahass, M.M., Zayed, H.A., Elgarhy, E.E., Hassanien, A.M., Effect of illumination on thermally evaporated iron (III) chloride tetraphenylporphyrin thin organic films, Optical and Quantum Electronics, 48 (4), 224, 2016, @2016

24. Zeyada, H.M., Makhlouf, M.M., Ali, M.A., Structural, optical and dispersion properties of 5, 10, 15, 20-tetraphenyl-21H, 23H-porphyrin zinc thin films, Japanese Journal of Applied Physics, 55 (2), 022601, 2016, @2016

25. Khusayfan, N.M., El-Nahass, M.M., Structural and optical characterizations of thin organic films of thioindigo, Ukrainian Journal of Physical Optics, 17 (1), pp. 10-20, 2016, @2016

---

## 1999

---

14. Billas, IML, Branz, W, Malinowski, N, Tast, F, Heinebrodt, M, Martin, TP, Massobrio, C, Boero, M, Parrinello, M. Experimental and computational studies of heterofullerenes. NANOSTRUCTURED MATERIALS, 12, 5-8, PERGAMON-ELSEVIER SCIENCE LTD, 1999, ISSN:0965-9773, DOI:10.1016/S0965-9773(99)00301-3, 1071-1076. ISI IF:1.069

Цитира се в:

26. Mazurek, A. Electron donor acceptor descriptors of the single and double bonded substituent and heteroatom incorporation effects. A review (2016) Acta Poloniae Pharmaceutica - Drug Research, 73 (2), pp. 269-283., @2016

15. Heinebrodt, M, Malinowski, N, Tast, F, Branz, W, Billas, IML, Martin, TP. Bonding character of bimetallic clusters AunXm (X = Al, In, Cs). JOURNAL OF CHEMICAL PHYSICS, 110, 20, AMER INST PHYSICS, CIRCULATION FULFILLMENT DIV, 1999, ISSN:0021-9606, DOI:DOI: 10.1063/1.478865, 9915-9921. ISI IF:3.017

Цитира се в:

27. Zhao, Y.-R., Zhang, H.-R., Qian, Y., Duan, X.-C., Hu, Y.-F. Probing the structural and electronic properties of cationic rubidium-gold clusters: [AunRb]<sup>+</sup> (n = 1-10) (2016) Molecular Physics, 114 (6), pp. 784-796., @2016
28. Toprek, D., Koteski, V. Ab initio calculations of the structure, energetics and stability of AunTi (n = 1-32) clusters (2016) Computational and Theoretical Chemistry, 1081, pp. 9-17., @2016
29. Khetrapal, N.S., Jian, T., Pal, R., Lopez, G.V., Pande, S., Wang, L.-S., Zeng, X.C. Probing the structures of gold-aluminum alloy clusters Au: XAl<sub>y</sub>: a joint experimental and theoretical study (2016) Nanoscale, 8 (18), pp. 9805-9814., @2016
16. Mihailova, B., Bogachev, G., **Marinova, V.**, Konstantinov, L.. Raman spectroscopy study of sillenites. II. Effect of doping on Raman spectra of Bi<sub>12</sub>TiO<sub>20</sub>. Journal of Physics and Chemistry of Solids, 60, 11, 1999, 1829-1834. ISI IF:1.853

Цитира се в:

30. Dan Yu, Minglei Zhao, Chunlei Wang, Lihai Wang, Wenbin Su, Zhigang Gai, Chunming Wang, Jichao Li and Jialiang Zhang “Enhanced piezoelectricity in plastically deformed nearly amorphous Bi<sub>12</sub>TiO<sub>20</sub>-BaTiO<sub>3</sub> nanocomposites” Appl. Phys. Lett. 109, 032904, @2016
31. P Francatto “Reatividade das nanopartículas de dióxido de titânio com a superfície modificada por grupos peróxo” MS Thesis Ref.#47, @2016
32. Dan Yu, Minglei Zhao, Chunlei Wang, Lihai Wang, Wenbin Su, Zhigang Gai, Chunming Wang, Jichao Li and Jialiang Zhang “Piezoelectricity and excellent temperature stability in nonferroelectric Bi<sub>12</sub>TiO<sub>20</sub>-CaTiO<sub>3</sub> polar composite ceramics” RSC Adv., 6, 1182–1187, @2016
33. Dan Yu, Minglei Zhaon, Chunlei Wang, Lihai Wang, Zhigang Gai, Chunming Wang, Jialiang Zhang, Jichao Li “Amorphous phases and composition dependence of piezoelectricity in BaTiO<sub>3</sub>-Bi<sub>2</sub>O<sub>3</sub> polar amorphous ceramics” Ceramics International 42, pp.1777–1781 (2016), @2016
17. Billas, IML, Massobrio, C, Boero, M, Parrinello, M, Branz, W, Tast, F, **Malinowski, N**, Heinebrodt, M, Martin, TP. First principles calculations of Si doped fullerenes: Structural and electronic localization properties in C<sub>59</sub>Si and C<sub>58</sub>Si<sub>2</sub>. JOURNAL OF CHEMICAL PHYSICS, 111, 15, AMER INST PHYSICS, CIRCULATION FULFILLMENT DIV, 1999, ISSN:0021-9606, DOI:10.1063/1.480018, 6787-6796. ISI IF:3.017

Цитира се в:

34. Amiraslanzadeh, S. The Effect of Doping Different Heteroatoms on the Interaction and Adsorption Abilities of Fullerene (2016) Heteroatom Chemistry, 27 (1), pp. 23-31., @2016
35. Hazrati, M.K., Hadipour, N.L. Adsorption behavior of 5-fluorouracil on pristine, B-, Si-, and Al-doped C<sub>60</sub> fullerenes: A first-principles study (2016) Physics Letters, Section A: General, Atomic and Solid State Physics, 380 (7-8), pp. 937-941., @2016
36. Omont, A. Interstellar fullerene compounds and diffuse interstellar bands (2016) Astronomy and Astrophysics, 590, art. no. A52, , @2016
37. Padole, M.C., Deshpande, P.A. Tailoring Surface Adsorption and Reactivity of Fullerene-Based Compounds: A Theoretical Probe into C<sub>2</sub>-Gas-Fullerene Surface Interactions

---

2000

---

18. Nikolova, L, Nedelchev, L, Todorov, T, Petrova, Tz, Tomova, N, Dragostinova, V, Ramanujam, P.S, Hvilsted, S. Self-induced light polarization rotation in azobenzene-containing polymers. Applied Physics Letters, 77, American Institute of Physics, 2000, ISSN:0003-6951, DOI:10.1063/1.127076, 657-659. ISI IF:3.569

Цитира се е:

38. Martinez-Ponce, G., "Mueller imaging polarimetry of holographic polarization gratings inscribed in azopolymer films", Optics Express Vol. 24, Issue 19, pp. 21364-21377 (2016) doi: 10.1364/OE.24.021364, @2016

19. Billas, IML, Massobrio, C, Parrinello, M, Branz, W, Tast, F, Malinowski, N, Heinebrodt, M, Martin, TP. First principles calculations of iron-doped heterofullerenes. COMPUTATIONAL MATERIALS SCIENCE, 17, 2-4, ELSEVIER SCIENCE BV, 2000, ISSN:0927-0256, DOI:10.1016/S0927-0256(00)00022-7, 191-195. ISI IF:2.188

Цитира се е:

39. Padole, M.C., Deshpande, P.A. Tailoring Surface Adsorption and Reactivity of Fullerene-Based Compounds: A Theoretical Probe into C<sub>2</sub>-Gas-Fullerene Surface Interactions (2016) Journal of Physical Chemistry C, 120 (23), pp. 12654-12665., @2016

40. Monazami, E., McClimon, J.B., Rondinelli, J., Reinke, P. Electronic Structure and Band Gap of Fullerenes on Tungsten Surfaces: Transition from a Semiconductor to a Metal Triggered by Annealing (2016) ACS Applied Materials and Interfaces, 8 (50), pp. 34854-34862, @2016

20. Tomova, R, Spassov, G, Stoycheva-Topalova, R, Buroff, A.. Copper-doped vacuum evaporated chalcogenide layers as sensitive ion-selective membranes. J. Non-Crystalline Solids, 266-269, Elsevier, 2000, ISSN:ISSN: 0022-3093, 985-988. ISI IF:1.269

Цитира се е:

41. Noël J. and Ahluwalia G., Electrochemical Sensors, Chapter in Applications of Chalcogenides: S, Se, and Te: Editors: Ahluwalia, Gurinder Kaur, 2016 Springer International Publishing Pages 235-261, eBook ISBN 978-3-319-41190-3q, DOI 10.1007/978-3-319-41190-3, @2016

21. Babeva, T, Dimitrov, D, Kitova, S, Konstantinov, I. Optical properties of phase-change optical disks with SbxSe100-x films. Vacuum, 58, 2000, 496-501. ISI IF:1.858

Цитира се е:

42. Samudrala, K., Devarasetty, S.B., Investigation of Kinetics of crystallization Processes of S15-Se85, S15-Se81-Cu4 Chalcogenide glasses, IOP Conference Series: Materials Science and Engineering, 149 (1), 012176, 2016, @2016

---

2001

---

22. Todorov R, Petkov K.. Light Induced Changes in Optical Properties of Thin As – S – Ge (Bi, Tl) page 6/47

Films. Journal of Optoelectronics and Advanced Materials, 3, 2001, 311-317. SJR:0.184, ISI IF:0.43

Цитира се е:

43. M. I. Abd-Elrahman, M. M. Hafiz, Ammar Qasem, M. A. Abdel-Rahim, Characterization of the optical constants and dispersion parameters of chalcogenide Te<sub>40</sub>Se<sub>30</sub>S<sub>30</sub> thin film: thickness effect, Applied Physics A, 122, 45, 2016, @2016

23. **Marinova, V.**, Veleva, M., Petrova, D., Kourmoulis, I., Papazoglou, D., Apostolidis, A., Vanidhis, E., Deliolanis, N.. Optical properties of Bi<sub>12</sub>SiO<sub>20</sub> single crystals doped with 4d and 5d transition elements. journal of applied physics, 89, 5, 2001, 2686-2689. ISI IF:2.183

Цитира се е:

44. Petya Petkova, Karem Boubaker, Petko Vasilev, Mustafa Mustafa, Ayşe Yumak, Darina Bachvarova “Common and different doping patterns within photo-reactive complexes of Co<sup>2+</sup> in Bi<sub>12</sub>SiO<sub>20</sub> and Co<sup>3+</sup> in Bi<sub>12</sub>TiO<sub>20</sub>” Optik - International Journal for Light and Electron Optics, Vol. 127, Iss. 9, pp. 3925–3928, @2016

24. **Nedelchev, L**, Nikolova, L, Todorov, T, Petrova, T, Tomova, N, Dragostinova, V, Ramanujam, P.S, Hvilsted, S. Light propagation through photoinduced chiral structures in azobenzene-containing polymers. Journal of Optics A: Pure and Applied Optics, 3, 4, Institute of Physics Publishing, 2001, ISSN:1464-4258, DOI:<http://dx.doi.org/10.1088/1464-4258/3/4/313>, 304-310. ISI IF:1.742

Цитира се е:

45. Xiaogong Wang, Azo Polymers: Synthesis, Functions and Applications. 4. Photoinduced Orientation and Anisotropy (Book chapter), Publisher: Springer Berlin Heidelberg, ISBN: 978-3-662-53422-9 (Print) 978-3-662-53424-3 (Online). DOI: 10.1007/978-3-662-53424-3\_4, @2016

25. Levichkova, M, **Mankov, V**, Starbov, N, **Karashanova, D**, Mednikarov, B, Starbova, K. Structure and properties of nanosized electron beam deposited zirconia thin films. SURFACE & COATINGS TECHNOLOGY, 141, 1, ELSEVIER SCIENCE SA, 2001, ISSN:0257-8972, DOI:10.1016/S0257-8972(01)01162-8, 70-77. ISI IF:1.998

Цитира се е:

46. Siad, A, Besnard, A, Nouveau, C, Jacquet, P, Critical angles in DC magnetron glad thin films VACUUM 131 (2016) 305-311 DOI: 10.1016/j.vacuum.2016.07.012, @2016

---

## 2002

---

26. V Rashkova, **S Kitova**, I Konstantinov, T Vitanov. Vacuum evaporated thin films of mixed cobalt and nickel oxides as electrocatalyst for oxygen evolution and reduction. Electrochimica Acta, 47, 10, Elsevier Limited, 2002, ISSN:0013-4686, DOI:doi:10.1016/S0013-4686(01)00897-0, 1555-1560. SJR:1.556, ISI IF:2.453

Цитира се е:

47. Osgood, H., Devaguptapu, S.V., Xu, H., Cho, J., Wu, G., Transition metal (Fe, Co, Ni, and Mn) oxides for oxygen reduction and evolution bifunctional catalysts in alkaline media, Nano Today, 11 (5), pp. 601-625, 2016, @2016

48. Singhal, A., Bisht, A., Kumar, A., Sharma, S., One pot, rapid synthesis of Co<sub>3</sub>O<sub>4</sub> by

- solution combustion method and its electrochemical properties in different electrolytes, Journal of Electroanalytical Chemistry, 776, pp. 152-161, 2016, @2016
49. Ghanem, M.A., Al-Mayouf, A.M., Arunachalam, P., Abiti, T., Mesoporous cobalt hydroxide prepared using liquid crystal template for efficient oxygen evolution in alkaline media, Electrochimica Acta, 207, pp. 177-186, 2016, @2016
  50. Lee, D.U., Xu, P., Cano, Z.P., (...), Park, M.G., Chen, Z., Recent progress and perspectives on bi-functional oxygen electrocatalysts for advanced rechargeable metal-air batteries, Journal of Materials Chemistry A, 4 (19), pp. 7107-7134, 2016, @2016

27. **Madjarova, V D**, Toyooka, S, Widiastuti, R, Kadono, H. Dynamic ESPI with subtraction-addition method for obtaining the phase. Optics Communications, 212, 1-3, 2002, DOI:doi:10.1016/S0030-4018(02)01909-0, 35-43. ISI IF:1.449

Цитира се в:

51. Kumar, M., Agarwal, R., Bhutani, R., Shakher, C. Measurement of strain distribution in cortical bone around miniscrew implants used for orthodontic anchorage using digital speckle pattern interferometry (2016) Optical Engineering, 55 (5), art. no. 054101, @2016
  52. Bao, C., Francois, M., Le Joncour, L. A Closer Look at the Diffuse and Localised Necking of A Metallic Thin Sheet: Evolution of the Two Bands Pattern (2016) Strain, 52 (3), pp. 244-260, @2016
  53. Arikawa, S., Ashizawa, K., Koga, K., Yoneyama, S. Optimum Image Extraction and Phase Analysis for ESPI Measurements Under Environmental Disturbance (2016) Experimental Mechanics, 56 (6), pp. 987-997, @2016
28. **Marinova, V.**, Veleva, M.. Refractive index measurements and transmission spectra of Bi<sub>2</sub>(MoO<sub>4</sub>)<sub>3</sub> single crystals. Optical Materials, 19, 3, 2002, 329-333. ISI IF:1.981

Цитира се в:

54. K. Sangeetha, R. Ramesh Babu, K. Ramamurthi “Linear optical properties of l-arginine monohydrobromide monohydrate (LAHBr) single crystals” Optik 127, pp.331–335, @2016
  55. A H Reshak, Zeyad A. Alahmed, Jiri Bila, Victor V. Atuchin, Bair G. Bazarov, Olga D. Chimitova, Maxim S. Molokeev, Igor P. Prosvirin, and Alexander P. Yelisseyev “Exploration of the Electronic Structure of Monoclinic  $\alpha$ -Eu<sub>2</sub>(MoO<sub>4</sub>)<sub>3</sub>: DFT-Based Study and X-ray Photoelectron Spectroscopy” J. Phys. Chem. C, 120 (19), pp 10559–10568, @2016
29. Branz, W, **Malinowski, N**, Enders, A, Martin, TP. Structural transition in (C-60)(n) clusters. PHYSICAL REVIEW B, 66, 9, AMER PHYSICAL SOC, 2002, ISSN:1098-0121, DOI:DOI: 10.1103/PhysRevB.66.094107, 094107. ISI IF:3.583

Цитира се в:

56. Huber, S.E., Gatchell, M., Zettergren, H., Mauracher, A. A precedent of van-der-Waals interactions outmatching Coulomb explosion (2016) Carbon, 109, pp. 843-850., @2016
57. Gatchell, Michael; Zettergren, Henning Knockout driven reactions in complex molecules and their clusters JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS Volume: 49 Issue: 16 Article Number: 162001 2016, @2016

- 30.** Neov, S., **Marinova, V**, Reehuis, M, Sonntag, R.. Neutron-diffraction study of Bi<sub>12</sub>MO<sub>20</sub> single crystals with sillenite structure (M = Si, Si0.995Mn0.005, Bi0.53Mn0.47). Applied Physics A-Materials Science & Processing, 74, Part2 Suppl.S, 2002, S1016-S1018. ISI IF:1.444

Цитира се въз:

- 58.** Marcus Weber, Maik Schlesinger, Markus Waltherm, Dirk Zahn, Christoph A. Schalley, Michael Mehrling "Investigations on the growth of bismuth oxido clusters and the nucleation to give metastable bismuth oxide modifications" Zeitschrift für Kristallographie - Crystalline Materials, @2016

---

## 2003

---

- 31.** **Madjarova, V D**, Toyooka, S, Nagasawa, H, Kadono, H. Blooming Processes in Flowers Studied by Dynamic Electronic Speckle Pattern Interferometry (DESPI). Optical Review, 10, 5, Springer, 2003, DOI:10.1007/s10043-003-0370-7, 370-374. ISI IF:0.656

Цитира се въз:

- 59.** Vázquez-Arellano, M., Griepentrogv, H.W., Reiser, D., Paraforos, D.S., 3-D imaging systems for agricultural applications—a review, Sensors (Switzerland), 16 (5), art. no. 618, @2016

- 32.** **Nedelchev, L.**, Matharu, A, Hvilsted, S, Ramanujam, P.S. Photoinduced anisotropy in a family of amorphous azobenzene polyesters for optical storage. Applied Optics, 42, 29, Optical Society of America Publishing, 2003, ISSN:1559-128X, DOI:10.1364/AO.42.005918, 5918-5927. ISI IF:1.784

Цитира се въз:

- 60.** Xin Zhang, Pengfei Wu and Chandra Yelleswarapu, "Photonic applications based on biological/inorganic nano hybrids", Proc. SPIE 9745, Organic Photonic Materials and Devices XVIII, 97451Q (February 24, 2016); doi:10.1117/12.2229411, @2016

- 61.** Xiaogong Wang, Azo Polymers: Synthesis, Functions and Applications. 4. Photoinduced Orientation and Anisotropy (book chapter), Publisher: Springer Berlin Heidelberg, ISBN: 978-3-662-53422-9 (Print) 978-3-662-53424-3 (Online). DOI: 10.1007/978-3-662-53424-3\_4, @2016

- 33.** **Todorov R**, Iliev Tz, Petkov K. Light-induced changes in the optical properties of thin films of Ge-containing chalcogenide glasses. Journal of Non-Crystalline Solids, 326-327, 2003, 263-267. SJR:0.753, ISI IF:1.766

Цитира се въз:

- 62.** M. I. Abd-Elrahman, M. M. Hafiz, Ammar Qasem, M. A. Abdel-Rahim, Characterization of the optical constants and dispersion parameters of chalcogenide Te<sub>40</sub>Se<sub>30</sub>S<sub>30</sub> thin film: thickness effect, Applied Physics A, 122, 45, 2016, @2016

- 63.** Zishan H. Khan, Shamshad A. Khan, Faisal A. Agel, Numan A. Salah, M. Husain, Chalcogenides to Nanochalcogenides; Exploring Possibilities for Future R&D, Chapter in Advances in Nanomaterials, vol.79, of the series Advanced Structured Materials, pp 135-202, Date: 15 March 2016., @2016

- 34.** Tzenova, V., **Stoykova, E.**. Refractive index measurement in human tissue samples. SPIE, 5226, 2003, 413-417. ISI IF:0.2

Цитира се е:

64. Giannios, P., Koutsoumpas, S., Toutouzas, K. G., Matiatou, M., Zografos, G. C., & Moutzouris, K. (2016). Complex refractive index of normal and malignant human colorectal tissue in the visible and near-infrared. *Journal of biophotonics*, @2016
65. Giannios, P., Toutouzas, K. G., Matiatou, M., Stasinou, K., Konstadoulakis, M. M., Zografos, G. C., & Moutzouris, K. (2016). Visible to near-infrared refractive properties of freshly-excised human-liver tissues: marking hepatic malignancies. *Scientific reports*, 6., @2016
35. Arabatzis, I.M., Stergiopoulos, T, Andreeva, D, **Kitova, S.**, Neophytides, S.G, Falaras, P.. Characterization and photocatalytic activity of Au/TiO<sub>2</sub> thin films for azo-dye degradation. *Journal of Catalysis*, 220, 1, Academic Press Inc, 2003, ISSN:0021-9517, DOI:doi:10.1016/S0021-9517(03)00241-0, 127-135. SJR:2.075, ISI IF:4.063

Цитира се е:

66. Balashev, K., Stambolova, I., Blaskov, V., Georgiev, P., Simeonova, S., Vassilev, S., Eliya, A., Photocatalytically active Au/TiO<sub>2</sub> films deposited by two-step spray pyrolysis, *Comptes Rendus de L'Academie Bulgare des Sciences*, 69 (3), pp. 269-274, 2016, @2016
67. Li, Y., Wang, L., Yan, R., Han, J., Zhang, S., Promoting effects of MgO, (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> or MoO<sub>3</sub> modification in oxidative esterification of methacrolein over Au/Ce0.6Zr0.4O<sub>2</sub>-based catalysts, *Catalysis Science and Technology*, 6 (14), pp. 5453-5463, 2016, @2016
68. Yuan, B., Long, Y., Wu, L., (...), Yang, H., Ma, J., TiO<sub>2</sub>@h-CeO<sub>2</sub>: A composite yolk-shell microsphere with enhanced photodegradation activity, *Catalysis Science and Technology* 6 (16), pp. 6396-6405, 2016, @2016
69. Brundo, M.V., Pecoraro, R., Marino, F., (...), Zimbone, M., Privitera, V., Toxicity evaluation of new engineered nanomaterials in zebrafish, *Frontiers in Physiology*, 7 (APR), 130, 2016, @2016
70. Mishra, M., Park, H., Chun, D.-M., Photocatalytic properties of Au/Fe<sub>2</sub>O<sub>3</sub> nano-composites prepared by co-precipitation, Mishra, M., Park, H., Chun, D.-M., *Advanced Powder Technology*, 27 (1), pp. 130-138, 2016, @2016
71. Penhoat, M., Vanbésien, T., Cocud, A., (...), Vezin, H., Rolando, C., PTFE supported gold nanoparticles as photocatalysts for oxidative esterification of aldehydes, *New Journal of Chemistry*, 40 (11), pp. 9460-9470, 2016, @2016
72. Varshney, G., Kanel, S.R., Kempisty, D.M., (...), Varma, R.S., Nadagouda, M.N., Nanoscale TiO<sub>2</sub> films and their application in remediation of organic pollutants, *Coordination Chemistry Reviews*, 306 (P1), pp. 43-64, 2016, @2016
73. Peiris, S., McMurtrie, J., Zhu, H.-Y., Metal nanoparticle photocatalysts: Emerging processes for green organic synthesis, *Catalysis Science and Technology*, 6 (2), pp. 320-338, 2016, @2016
74. Devi, L.G., Kavitha, R., A review on plasmonic metal-TiO<sub>2</sub> composite for generation, trapping, storing and dynamic vectorial transfer of photogenerated electrons across the Schottky junction in a photocatalytic system, *Applied Surface Science*, 360, pp. 601-622, 2016, @2016
75. Marelli, M., Evangelisti, C., Diamanti, M.V., (...), Schiavi, L., Strini, A., TiO<sub>2</sub> Nanotubes Arrays Loaded with Ligand-Free Au Nanoparticles: Enhancement in Photocatalytic Activity, *ACS Applied Materials and Interfaces*, 8 (45), pp. 31051-31058, 2016, @2016

76. Elaissaoui, I., Akroud, H., Grassini, S., Fulginiti, D., Bousselmi, L., Role of SiO<sub>x</sub> interlayer in the electrochemical degradation of Amaranth dye using SS/PbO<sub>2</sub> anodes, Materials and Design, 110, pp. 633-643, 2016, @2016
77. Mirzaei, A., Chen, Z., Haghshati, F., Yerushalmi, L., Removal of pharmaceuticals and endocrine disrupting compounds from water by zinc oxide-based photocatalytic degradation: A review, Sustainable Cities and Society, 27, pp. 407-418, 2016, @2016
78. Chen, L., Zhao, Y., Zhang, Y., (...), Liu, X., Yang, J., Design of Cu<sub>2</sub>O-Au composite microstructures for surface-enhanced Raman scattering study, Colloids and Surfaces A: Physicochemical and Engineering Aspects, 507, pp. 96-102, 2016, @2016
79. Manivannan, A., Peterson, A., Wilson, W., Mukherjee, B., Subramanian, V.R., Hydrogen production and photodegradation at TiO<sub>2</sub>/Metal/CdS sandwich using UV-Visible light, Springer Series in Materials Science, 218, pp. 141-167, 2016, @2016
80. Savva, I., Kalogirou, A.S., Achilleos, M., (...), Koutentis, P.A., Krasia-Christoforou, T., Evaluation of PVP/Au nanocomposite fibers as heterogeneous catalysts in indole synthesis, Molecules, 21 (9), 1218, 2016, @2016
81. Guo, Y., Zhang, Y., Tian, N., Huang, H., Homogeneous 001-BiOBr/Bi heterojunctions: Facile controllable synthesis and morphology-dependent photocatalytic activity, ACS Sustainable Chemistry and Engineering, 4 (7), pp. 4003-4012, 2016, @2016
82. Kawamura, G., Au/Ag nanoparticle-deposited SiO<sub>2</sub> /TiO<sub>2</sub> porous supports with various localized surface plasmon resonance-related properties, Nippon Seramikkusu Kyokai Gakujutsu Ronbunshi/Journal of the Ceramic Society of Japan, 124 (7), pp. 757-762, 2016, @2016
83. Caudillo-Flores, U., Lara-Romero, J., Zárate-Medina, J., (...), Rivera-Muñoz, E.M., Cortés, J.A., Enhanced photocatalytic activity of MWCNT/TiO<sub>2</sub> heterojunction photocatalysts obtained by microwave assisted synthesis, Catalysis Today, 266, pp. 102-109, 2016, @2016
84. Wu, S., Shen, X., Zhu, G., (...), Chen, K., Yuan, A., Synthesis of ternary Ag/ZnO/ZnFe<sub>2</sub>O<sub>4</sub> porous and hollow nanostructures with enhanced photocatalytic activity, Applied Catalysis B: Environmental, 184, pp. 328-336, 2016, @2016
85. Siddiqi, G., Mougel, V., Copéret, C., Highly Active Subnanometer Au Particles Supported on TiO<sub>2</sub> for Photocatalytic Hydrogen Evolution from a Well-Defined Organogold Precursor, [Au<sub>5</sub>(mesityl)<sub>5</sub>], Inorganic Chemistry, 55 (8), pp. 4026-4033, 2016, @2016
86. Jin, Z., Chen, Q.-H., Zheng, M.-J., (...), Li, Q., Cui, X.-Q., Fabrication of Au nanoparticles / bilayer TiO<sub>2</sub> nanotube periodical structure and electrocatalytic oxidation of ethanol, Wuji Cailiao Xuebao/Journal of Inorganic Materials, 31 (3), pp. 241-247, 2016, @2016
87. Okuno, T., Kawamura, G., Muto, H., Matsuda, A., Photocatalytic properties of Au-deposited mesoporous SiO<sub>2</sub>-TiO<sub>2</sub> photocatalyst under simultaneous irradiation of UV and visible light, Journal of Solid State Chemistry, 235, pp. 132-138, 2016, @2016
88. Panayotov, D.A., Morris, J.R., Surface chemistry of Au/TiO<sub>2</sub>: Thermally and photolytically activated reactions, Surface Science Reports, 71 (1), pp. 77-271, 2016, @2016
89. Pol, R., Guerrero, M., García-Lecina, E., (...), Sort, J., Pellicer, E., Ni-, Pt- and (Ni/Pt)-doped TiO<sub>2</sub> nanophotocatalysts: A smart approach for sustainable degradation of Rhodamine B dye, Applied Catalysis B: Environmental, 181, pp. 270-278, 2016, @2016
90. Mitra, A., De, G., Sol-Gel Synthesis of Metal Nanoparticle Incorporated Oxide Films on Glass ( Book Chapter), Glass Nanocomposites: Synthesis, Properties and Applications, pp.

91. Liu, Y., Lou, J., Ni, M., (...), Shang, W., Deng, T., Bioinspired Bifunctional Membrane for Efficient Clean Water Generation, ACS Applied Materials and Interfaces, 8 (1), pp. 772-779, 2016, @2016

36. **Madjarova, V D**, Kadono, H, Toyooka, S. Dynamic electronic speckle pattern interferometry (DESPI) phase analyses with temporal Hilbert transform. Optics Express, 11, 6, 2003, DOI:10.1364/OE.11.000617, 617-623. ISI IF:3.488

Цитира се в:

92. Lei, Z., Liu, X., Chen, L., Lu, W., Chang, S., A novel surface recovery algorithm in white light interferometry, Measurement: Journal of the International Measurement Confederation, 80, pp. 1-11, @2016

93. Arikawa, S., Ashizawa, K., Koga, K., Yoneyama, S. Optimum Image Extraction and Phase Analysis for ESPI Measurements Under Environmental Disturbance (2016) Experimental Mechanics, 56 (6), pp. 987-997, @2016

37. **Marinova, V**, Lin, S. H., Sainov, V., Gospodinov, M., Hsu, K. Y.. Light-induced properties of Ru-doped Bi<sub>12</sub>TiO<sub>20</sub> crystals. Journal of Optics A: Pure and Applied Optics, 5, 6, 2003, S500-S506. ISI IF:2.059

Цитира се в:

94. V G Dyu, M G Kisteneva, S M Shandarov, S V Smirnov, A S Akrestina and Yu F Kargin “Changes in the optical absorption induced in the Bi<sub>12</sub>TiO<sub>20</sub>: Al crystal by exposition to short- and long-wavelength radiation” Journal of Physics: Conference Series 737, 012018, @2016

95. V. T. Avanesyan and K. I. Paima “Dielectric response of doped Bi<sub>12</sub>TiO<sub>20</sub>: Ru crystals in an alternating electric field” Physics of the Solid State, Volume 58, Issue 8, pp 1560–1562, @2016

38. **Tomova, R**, Stoicheva - Topalova, R, Buroff, A. Thin-film sensors based on evaporated chalcogenide glasses. J. of Materials Science: Materials in Electronics, 14, 10-12, Springer, 2003, ISSN:ISSN 0957-4522, 843-847. ISI IF:0.638

Цитира се в:

96. Noël J. and Ahluwalia G., Electrochemical Sensors, Chapter in Applications of Chalcogenides: S, Se, and Te: Editors: Ahluwalia, Gurinder Kaur, 2016 Springer International Publishing Pages 235-261, eBook ISBN 978-3-319-41190-3q, DOI 10.1007/978-3-319-41190-3, @2016

39. **Marinova, V.**, Lin, S. H., Hsieh, Mei-Li., Hsu, Y. Ken, Gospodinov, M. M., Sainov , V.. Optical and holographic properties of Bi<sub>4</sub>Ge<sub>3</sub>O<sub>12</sub> crystals doped with ruthenium. journal of materials science materials in electronics, 14, 2003, 857-858. ISI IF:1.569

Цитира се в:

97. R. M. Kulkarni, R. S. Malladi, M. S. Hanagadakar, M. R. Doddamani, B. Santhakumari, S. D. Kulkarni “Ru-TiO<sub>2</sub> semiconducting nanoparticles for the photo-catalytic degradation of bromothymol blue” J Mater Sci: Mater Electron, Volume 27, Issue 12, pp 13065–13074, @2016

40. Kang, H., Kim, Y., Park, J., **Stoykova, E.**, Hong, S.. Color holographic wave-front printing method based on partitioned elemental hologram. 2004, ISBN:978-1-55752-308-2, DOI:10.1364/DH.2014.DTh3B.1

Цитира се в:

98. Hiroshi Yoshikawa, and Takeshi Yamaguchi, Review of Holographic Printers for Computer-Generated Holograms IEEE TRANSACTIONS OF INDUSTRIAL INFORMATIONS, @2016

41. **Karashanova, D**, Nihtanova, D, Starbova, K, Starbov, N. Crystalline structure and phase composition of epitaxially grown Ag<sub>2</sub>S thin films. SOLID STATE IONICS, 171, 3-4, ELSEVIER SCIENCE BV, 2004, ISSN:0167-2738, DOI:10.1016/j.ssi.2004.04.020, 269-275. ISI IF:2.561

Цитира се в:

99. Gusev, AI, Sadovnikov, SI, Chukin, AV, Rempel, AA, Thermal expansion of nanocrystalline and coarse-crystalline silver sulfide Ag<sub>2</sub>S, Semiconductors Physics of the Solid State, Volume 58, Issue 2, pp 251-257, @2016
100. SI Sadovnikov, AV Chukin, AI Gusev, Polymorphic transformation in nanocrystalline silver sulfide. Physics of the Solid State, Volume 58, Issue 1, pp 30-36, @2016
101. Sadovnikov, SI, Gusev, AI, Chukin, AV, Rempel, AA, High-temperature X-ray diffraction and thermal expansion of nanocrystalline and coarse-crystalline acanthite  $\alpha$ -Ag<sub>2</sub>S and argentite  $\beta$ -Ag<sub>2</sub>S, Physical Chemistry Chemical Physics, 18, Issue 6, 4617-4626, @2016
102. Sadovnikov, SI, A. I. Gusev , E. Yu. Gerasimov, A. A. Rempel, Silver sulfide nanoparticles with a carbon-containing shell, Inorganic Materials, Volume 52, Issue 5, pp 441-446, @2016
103. Universal Approach to the Synthesis of Silver Sulfide in the Forms of Nanopowders, Quantum Dots, Core-Shell Nanoparticles, and Heteronanostructures Sadovnikov, SI, Gusev, AI EUROPEAN JOURNAL OF INORGANIC CHEMISTRY Issue: 31 Pages: 4944-4957 DOI: 10.1002/ejic.201600881, @2016

42. **Stoykova, E.**, Sabotinov, O.. Precise optical dosimetry in low level laser therapy of soft tissues in oral cavity. SPIE, 5449, 2004, 474-481. ISI IF:0.2

Цитира се в:

104. Hristo Kisov, Georgi Dyankov, Modeling of penetration of laser radiation in enamel-dentin tissue, Bulgarian Chemical Communications, Volume 48, Special Issue E (pp. -) 2016, @2016

43. Petkov K, **Todorov R**, Kozhuharova D, Tichy L, Cernoskova E, Ewen P J S. Changes in the physicochemical and optical properties of chalcogenide thin films from the systems As-S and As-S-Tl. Journal of Material Science, 39, 2004, 961-969. SJR:0.929, ISI IF:2.371

Цитира се в:

105. P.E. Agbo, P.A. Nwofe, R.A. Chikwenze and D.A. Famuyibo, Effect of pH on Properties of CoSe Thin Films Deposited by Chemical Bath Technique, African Journal of Basic &

44. Alexandrova, R., Sabotinov, O., **Stoykova, E.**, Ion, R.-M., Shurulinkov, S., Minchev, G.. In vitro cytotoxicity assessment of [5,10,15,20-tetra (4-sulfo- phenyl) porphyrin] on tumor and non-tumor cell lines. SPIE, 5449, 2004, 227-234. ISI IF:0.2

Цитира се въз:

106. 30. Rehman, F. U., Zhao, C., Jiang, H., Selke, M., & Wang, X. (2016). Protective effect of TiO<sub>2</sub> nanowhiskers on Tetra Sulphonatophenyl Porphyrin (TSPP) complexes induced oxidative stress during photodynamic therapy. Photodiagnosis and photodynamic therapy, 13, 267-275, @2016

45. **Dimitrov, D.**, Shieh, H.-P. D.. The influence of oxygen and nitrogen doping on properties of GeSbTe phase-change optical recording media. Materials Science and Engineering B, 107, 2004, 107-112. ISI IF:2.169

Цитира се въз:

107. Hideyuki Takahashi "Target of sintered compact, and method of producing the sintered compact" Patent US9299543, @2016

46. Vitanov, P., **Babeva, T.**, Alexieva, Z., Harizanova, A., Nenova, Z. Optical properties of (Al<sub>2</sub>O<sub>3</sub>)<sub>x</sub>(TiO<sub>2</sub>)<sub>1-x</sub> films deposited by the sol-gel method. 76, Vacuum, 2004, 219-222. ISI IF:1.858

Цитира се въз:

108. Müller, K., Hegmann, J., Jahn, R., Löbmann, P., "Adjustable refractive index of titania-alumina thin films prepared from soluble precursor powders", Journal of Sol-Gel Science and Technology, 77 (1), 69-77, (2016)., @2016

---

## 2005

---

47. Yasuno, Y., **Madjarova, V D.**, Makita, S., Akiba, M., Morosawa, A., Chong, Ch., Sakai, T., Chan, K., Ito, M., Yatagai, T. Three-dimensional and high-speed swept-source optical coherence tomography for in vivo investigation of human anterior eye segments. Optics Express, 13, 26, 2005, DOI:10.1364/OPEX.13.010652, 10652-10664. ISI IF:3.488

Цитира се въз:

109. Goto, S., Maeda, N., Koh, S., Ohnuma, K., Hayashi, K., Iehisa, I., Noda, T., Nishida, K. Prediction of Postoperative Intraocular Lens Position with Angle-to-Angle Depth Using Anterior Segment Optical Coherence Tomography (2016) Ophthalmology, 123 (12), pp. 2474-2480, @2016

110. Wang, D., Duan, C., Zhang, X., Yun, Z., Pozzi, A., Xie, H. Common-path optical coherence tomography using a microelectromechanical-system-based endoscopic probe (2016) Applied Optics, 55 (25), pp. 6930-6935, @2016

111. Bradu, A., Rivet, S., Podoleanu, A. Master/slave interferometry - Ideal tool for coherence revival swept source optical coherence tomography (2016) Biomedical Optics Express, 7 (7), art. no. 262003, pp. 2453-2468, @2016

112. Bradu, A., Kapinchev, K., Barnes, F., Podoleanu, A.G. En-face optical coherence tomography revival (2016) Progress in Biomedical Optics and Imaging - Proceedings of SPIE, 9670, art. no. 96700T, @2016

- 113.** He, W., Zhu, X., Wolff, D., Zhao, Z., Sun, X., Lu, Y. Evaluation of Anterior Chamber Volume in Cataract Patients with Swept-Source Optical Coherence Tomography (2016) Journal of Ophthalmology, 2016, art. no. 8656301, @2016
- 114.** Cho, S.-W., Kim, G.H., Kim, M., Shin, B.-S., Kim, C.-S. Line-field swept-source interferometer for simultaneous measurement of thickness and refractive index distribution (2016) Journal of Lightwave Technology, PP (99), art. no. 7559781, @2016
- 115.** Watanabe, H., Rajagopalan, U.M., Nakamichi, Y., Igarashi, K.M., Kadono, H., Tanifuji, M., Functional optical coherence tomography of rat olfactory bulb with periodic odor stimulation, Biomedical Optics Express, 7 (3), art. no. 256150, pp. 841-854., @2016
- 116.** Rivet, S., Maria, M., Bradu, A., Feuchter, T., Leick, L., Podoleanu, A.. Complex master slave interferometry, Optics Express, 24 (3), pp. 2885-2904., @2016
- 117.** Sasaki, Y., Sakamoto, T., Ueno, M., Toyoda, S., Kobayashi, J., Sakamoto, T., Fujimoto, M., Yamagishi, S., Yamada, M., Yagi, S., Electro-optic deflector based on KTN crystal for phase-stable swept light source for OCT, IEICE Transactions on Electronics, E99C (2), pp. 250-256., @2016
- 118.** Schneider, S., Lauermann, M., Dietrich, P.-I., Weimann, C., Freude, W., Koos, C., Optical coherence tomography system mass-producible on a silicon photonic chip, Optics Express, 24 (2), pp. 1573-1586., @2016
- 48.** **Tomova, R,** Stoycheva-Topalova, R, Buroff, A. Ion-selective membranes based on chalcogenide glasses. Journal of Optoelectronics and Advanced Materials, 7, 3, 2005, ISSN:ON-LINE: 1841 - 7132, 1399-1406. ISI IF:0.433

Цитира се в:

- 119.** Noël J. and Ahluwalia G., Electrochemical Sensors, Chapter in Applications of Chalcogenides: S, Se, and Te: Editors: Ahluwalia, Gurinder Kaur, 2016 Springer International Publishing Pages 235-261, eBook ISBN 978-3-319-41190-3q, DOI 10.1007/978-3-319-41190-3, @2016
- 49.** Petkov K, **Todorov R**, Kincl M, Tichy L. Effect of thallium on the optical properties and structure of thin As-S-Tl films. Journal of Optoelectronics and Advanced Materials, 7, 5, 2005, SJR:0.184, ISI IF:0.429
- Цитира се в:
- 120.** E. V. Shkolnikov, Structural-chemical features and mechanism of crystallization of TlAsX<sub>2</sub> glasses (X = S, Se), Glass Physics and Chemistry, 42(4), pp 363–371, 2016., @2016
- 50.** Gérardin, C., **Kostadinova, D.**, Sanson, N., Coq, B., Tichit, D.. Supported Metal Particles from LDH Nanocomposite Precursors: Control of the Metal Particle Size at Increasing Metal Content. Chemistry of Materials, 17, 25, American Chemical Society, 2005, DOI:10.1021/cm051588h, 6473-6478. ISI IF:8.354

Цитира се в:

- 121.** The effect of different complexing agents on preparation of Co<sup>2+</sup>-Ni<sup>2+</sup>-Fe<sup>3+</sup>-CO (3) (2-) LDHs By: Ma, Xiangrong; Dang, Rui; Liu, Jieying; et al. RUSSIAN JOURNAL OF GENERAL CHEMISTRY Volume: 86 Issue: 1 Pages: 144-149 DOI: 10.1134/S1070363216010229, @2016
- 122.** Influence of the preparation route on the basicity of La-containing mixed oxides obtained

from LDH precursors By: Cota, Iuliana; Ramirez, Eliana; Medina, Francisco; et al. JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL Volume: 412 Pages: 101-106 DOI: 10.1016/j.molcata.2015.11.022, @2016

123. Highly Selective and Efficient Removal of Heavy Metals by Layered Double Hydroxide Intercalated with the MoS<sub>42-</sub> Ion Ma, Lijiao; Wang, Qing; Islam, Saiful M.; et al. JOURNAL OF THE AMERICAN CHEMICAL SOCIETY Volume: 138 Issue: 8 Pages: 2858-2866 DOI: 10.1021/jacs.6b00110, @2016
124. Microwave assisted synthesis of Sn-modified MgAlO as support for platinum catalyst in cyclohexane dehydrogenation to cyclohexene By: Wang, Nailiang; Qiu, Jian'e; Wu, Jian; et al. APPLIED CATALYSIS A-GENERAL Volume: 516 Pages: 9-16 DOI: 10.1016/j.apcata.2016.02.012, @2016
125. Structural characteristics and interfacial relaxation of nanocomposites based on polystyrene and modified layered double hydroxides Li, Xiaohai; Chen, Lin; Li, Qiulong; et al. COLLOID AND POLYMER SCIENCE Volume: 294 Issue: 5 Pages: 815-822 DOI: 10.1007/s00396-016-3834-6, @2016
126. Intercalation of thiocalix[4]arene anion via calcined/restored reaction into LDH and efficient heavy metal capture By: Huang, Gailing; Jiang, Ling; Wang, Dong; et al. JOURNAL OF MOLECULAR LIQUIDS Volume: 220 Pages: 346-353 DOI: 10.1016/j.molliq.2016.04.103, @2016

51. Mednikarov, B, Spasov, G, Babeva, T. Aluminum nitride layers prepared by DC/RF magnetron sputtering. Journal of Optoelectronics and Advanced Materials, 7, 3, 2005, 1421-1427. ISI IF:0.429

Цитира се е:

127. Pandey, A., Dutta, S., Prakash, R., (...), Kapoor, A.K., Kaur, D., "Growth and evolution of residual stress of AlN films on silicon (100) wafer", Materials Science in Semiconductor Processing 52, 16-23, (2016)., @2016

52. Aygun, G, Atanassova, E, Turan, R, Babeva, T. Reflectance spectra and refractive index of Nd:YAG laser oxidized Si surface. 89, Mater. Chemistry and Phys, 2005, 316-320. ISI IF:2.26

Цитира се е:

128. Li, L., Ikeda, A., Asano, T., "Enhanced oxidation of Si using low-temperature oxidation catalyst SrTi<sub>1-x</sub>Mg<sub>x</sub>O<sub>3%</sub>", Japanese Journal of Applied Physics 55 (6), 06GJ05, (2016), @2016

53. Kitova, S, Youroukov, S, Babeva, T, Denishev, V, Danev, G. Argon ion activated deposition of SiO<sub>2</sub> films. Journal of Optoelectronics and Advanced Materials, 7, 5, 2005, 2613-2618. ISI IF:1.138

Цитира се е:

129. Rodríguez-De Marcos, L.V., Larruquert, J.I., Méndez, J.A., Aznárez, J.A., Self-consistent optical constants of SiO<sub>2</sub> and Ta<sub>2</sub>O<sub>5</sub> films, Optical Materials Express, 6 (11), pp. 3622-3637, 2016, @2016

54. Mednikarov, B, Spasov, G, Babeva, T, Pirov, J, Sahatchieva, M, Popov, C, Kulisch, W. Optical properties of diamond-like carbon and nanocrystalline diamond films. Journal of Optoelectronics and Advanced Materials, 7, 3, 2005, 1407-1413. ISI IF:0.429

Цитира се е:

130. Zhou, B., Liu, Z., Pilipetsou, D.G., (...), Rudenkov, A.S., Balmakou, A., "Structure and

optical properties of Cu-DLC composite films deposited by cathode arc with double-excitation source”, Diamond and Related Materials, 69, 191-197, (2016), @2016

131. Pertreux, E., Lombardi, A., Florea, I., (...), Vallée, F., Fatti, N.D., “Surface Plasmon Resonance of an Individual Nano-Object on an Absorbing Substrate: Quantitative Effects of Distance and 3D Orientation”, Advanced Optical Materials, 4 (4), 567-577, (2016), @2016

---

## 2006

---

55. Hori, Y., Yasuno, Y., Sakai, S., Matsumoto, M., Sugawara, T., **Madjarova, V D**, Yamanari, M., Makita, S., Yasui, T., Araki, T., Itoh, M., Yatagai, T. Automatic characterization and segmentation of human skin using three-dimensional optical coherence tomography. Optics Express, 14, 5, 2006, DOI:10.1364/OE.14.001862, 1862-1877. ISI IF:3.488

Цитира се в:

132. Sudeep, P.V., Issac Niwas, S., Palanisamy, P., Rajan, J., Xiaojun, Y., Wang, X., Luo, Y., Liu, L., Enhancement and bias removal of optical coherence tomography images: An iterative approach with adaptive bilateral filtering, Computers in Biology and Medicine, 71, pp. 97-107., @2016
133. Su, Y., Yao, X.S., Wei, C., Wang, Y., Wang, H., Li, Z., Determination of the pressure coefficient of optical attenuation in different layers of in-vivo human skins with optical coherence tomography, IEEE Photonics Journal, 8 (1), art. no. 7397864., @2016
134. Pande, P., Monroy, G.L., Nolan, R.M., Shelton, R.L., Boppart, S.A., Sensor-based technique for manually scanned hand-held optical coherence tomography imaging, Journal of Sensors, 2016, art. no. 8154809., @2016
135. Baran, U., Zhu, W., Choi, W.J., Omori, M., Zhang, W., Alkayed, N.J., Wang, R.K. Automated segmentation and enhancement of optical coherence tomography-acquired images of rodent brain (2016) Journal of Neuroscience Methods, 270, pp. 132-137, @2016
56. Yamanari, M., Makita, S., **Madjarova, V M**, Yatagai, T., Yasuno, Y. Fiber-based polarization-sensitive Fourier domain optical coherence tomography using B-scan-oriented polarization modulation method. Optics Express, 14, 14, 2006, DOI:10.1364/OE.14.006502, 6502-6515. ISI IF:3.488

Цитира се в:

136. Yoon, Y., Jeon, S.H., Park, Y.H., Jang, W.H., Lee, J.Y., Kim, K.H. Visualization of prostatic nerves by polarization-sensitive optical coherence tomography (2016) Biomedical Optics Express, 7 (9), art. no. #267233, pp. 3170-3183., @2016
137. Rivet, S., Marques, M.J., Bradu, A., Podoleanu, A. Optical module to extend any Fourier-domain optical coherence tomography system into a polarisation-sensitive system (2016) Journal of Optics (United Kingdom), 18 (6), art. no. 065607, @2016
138. Hitzenberger, C.K., Drexler, W., Leitgeb, R.A., Findl, O., Fercher, A.F. Key developments for partial coherence biometry and optical coherence tomography in the human eye made in vienna (2016) Investigative Ophthalmology and Visual Science, 57 (9), pp. OCT460-OCT474, @2016
57. **Marinova, V.**, Mihailova, B., Malcherek, T., Paulmann, C., Lengyel, K., Kovacs, L., Veleva, M.,

Gospodinov, M., Guttler, B., Stosch, R., Bismayer, U.. Structural, optical and dielectric properties of relaxor-ferroelectric Pb<sub>0.78</sub>Ba<sub>0.22</sub>Sc<sub>0.5</sub>Ta<sub>0.5</sub>O<sub>3</sub>. journal of physics condensed matter, 18, 385, 2006, 93. ISI IF:2.346

Цитира се в:

139. M. V. Talanov, S. P. Kubrin, A. A. Pavelko, L. A. Reznichenko “Dielectric spectroscopy of Pb<sub>1-x</sub> Ba<sub>x</sub> (Mg<sub>1/3</sub>Nb<sub>2/3</sub>)<sub>m</sub> (Zn<sub>1/3</sub>Nb<sub>2/3</sub>)<sub>y</sub> (Ni<sub>1/3</sub>Nb<sub>2/3</sub>)<sub>n</sub>Ti<sub>z</sub>O<sub>3</sub> solid solutions in a wide temperature interval” Physics of the Solid State, Volume 58, Issue 6, pp 1160-1165, @2016

58. Rauschenbach, S, Stadler, FL, Lunedei, E, **Malinowski, N**, Koltsov, S, Costantini, G, Kern, K. Electrospray ion beam deposition of clusters and biomolecules. SMALL, 2, 4, WILEY-V C H VERLAG GMBH, 2006, ISSN:1613-6810, DOI:10.1002/smll.200500479, 540-547. ISI IF:8.646

Цитира се в:

140. Prabhakaran, V., Johnson, G.E., Wang, B., Laskin, J. In situ solid-state electrochemistry of mass-selected ions at well-defined electrode-electrolyte interfaces (2016) Proceedings of the National Academy of Sciences of the United States of America, 113 (47), pp. 13324-13329., @2016

141. Laskin, J., Johnson, G.E., Prabhakaran, V. Soft Landing of Complex Ions for Studies in Catalysis and Energy Storage (2016) Journal of Physical Chemistry C, 120 (41), pp. 23305-23322, @2016

142. Fantuzzi, P., Martini, L., Candini, A., Corradini, V., Del Pennino, U., Hu, Y., Feng, X., Müllen, K., Narita, A., Affronte, M. Fabrication of three terminal devices by ElectroSpray deposition of graphene nanoribbons (2016) Carbon, 104, pp. 112-118., @2016

143. Schön, J.C., Oligschleger, C., Cortes, J. Prediction and clarification of structures of (bio)molecules on surfaces (2016) Zeitschrift fur Naturforschung - Section B Journal of Chemical Sciences, 71 (5), pp. 351-374., @2016

144. Johnson, G.E., Gunaratne, D., Laskin, J. Soft- and reactive landing of ions onto surfaces: Concepts and applications (2016) Mass Spectrometry Reviews, 35 (3), pp. 439-479., @2016

145. Prabhakaran, V., Mehdi, B.L., Ditto, J.J., Engelhard, M.H., Wang, B., Gunaratne, K.D.D., Johnson, D.C., Browning, N.D., Johnson, G.E., Laskin, J. Rational design of efficient electrode-electrolyte interfaces for solid-state energy storage using ion soft landing (2016) Nature Communications, 7, art. no. 11399, @2016

146. Hou, J., Zheng, Q., Badu-Tawiah, A.K., Xiong, C., Guan, C., Chen, S., Nie, Z., Wang, D., Wan, L. Electrospray soft-landing for the construction of non-covalent molecular nanostructures using charged droplets under ambient conditions (2016) Chemical Communications, 52 (94), pp. 13660-13663., @2016

59. Enders, A., **Malinowski, N**, Ievlev, D., Zurek, E., Autschbach, J., Kern, K.. Magic alkali-fullerene compound clusters of extreme thermal stability. The Journal of Chemical Physics, 125, American Institute of Physics,, 2006, ISSN:1089-7690, 191102. ISI IF:3.166

Цитира се в:

147. Harnisch, M., Daxner, M., Scheier, P., Echt, O. Adsorption of sodium and cesium on aggregates of C<sub>60</sub> (2016) European Physical Journal D, 70 (9), art. no. 192, , @2016

60. Atanassova, E, Aygun, G, Turan, R, **Babeva, T**. Structural and optical characteristics of tantalum page 18/47

oxide grown by pulsed Nd:YAG laser oxidation. Journal of Vacuum Science and Technology A, 24, 2, 2006, 206-211. ISI IF:2.322

Цитира се в:

148. Wang, M.-C., Chen, Y.-C., Hsieh, M.-H., (...), Tsai, W.-F., Jan, D.-J., "The improvement of all-solid-state electrochromic devices fabricated with the reactive sputter and cathodic arc technology", AIP Advances 6 (11), 115009, (2016), **@2016**

---

**2007**

---

61. Onural, L., Gotchev, A., Ozaktas, H., **Stoykova, E.**. A Survey of Signal Processing Problems and Tools in Holographic 3DTV. IEEE Transactions on Circuits and Systems for Video technology, 17, 11, 2007, 1631-1646. ISI IF:2.615

Цитира се в:

149. Yu, X., Xiaohui, T., Yingxiong, Q., Hao, P., Wei, W., & Lijing, Z. (2016). Nonuniform fast Fourier transform method for numerical diffraction simulation on tilted planes. JOSA A, 33(10), 2027-2033, **@2016**

150. Tao, R., Miao, H., & Ma, J. (2016, November). Theory and methods for sampling in fractional domains. In IEEE International Conference on Signal Processing, Communications and Computing (ICSPCC), 2016 (pp. 1-6). IEEE, **@2016**

62. Rashkova V., **Kitova S.**, Vitanov T.. Electrocatalytic behavior of thin Co-Te-O films in oxygen evolution and reduction reactions. Electrochimica Acta, 52, 11, Elsevier, 2007, ISSN:0013-4686, DOI:doi:10.1016/j.electacta.2006.10.054, 3794-3803. SJR:1.381, ISI IF:2.848

Цитира се в:

151. Padilha, A.C.M., Raebiger, H., Rocha, A.R., Dalpian, G.M., Charge storage in oxygen deficient phases of TiO<sub>2</sub>: Defect Physics without defects, Scientific Reports, 6, 28871, 2016, **@2016**

152. Tian, Y., Zhang, Z., Miao, Y., Co-Te-Se nano-compounds as electrocatalysts for hydrogen evolution reaction, Journal of the Electrochemical Society, 163 (8), pp. H625-H629, 2016, **@2016**

153. Lee, D.U., Xu, P., Cano, Z.P., (...), Park, M.G., Chen, Z., Recent progress and perspectives on bi-functional oxygen electrocatalysts for advanced rechargeable metal-air batteries, Journal of Materials Chemistry A, 4 (19), pp. 7107-7134, 2016, **@2016**

63. Payer, D, Rauschenbach, S, **Malinowski, N**, Konuma, M, Virojanadara, C, Starke, U, Dietrich-Buchecker, C, Collin, JP, Sauvage, JP, Lin, N, Kern, K. Toward mechanical switching of surface-adsorbed [2]catenane by in situ copper complexation. JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 129, 50, AMER CHEMICAL SOC, 2007, ISSN:0002-7863, DOI:10.1021/ja075886m, 15662-15667. ISI IF:11.726

Цитира се в:

154. Wang, T., Wang, H., Li, G., Li, M., Bo, Z., Chen, Y. Thiophene-Fused 1, 10-Phenanthroline and Its Conjugated Polymers (2016) Macromolecules, 49 (11), pp. 4088-4094., **@2016**

- 64.** **J. Tasseva, R. Todorov**, D. Tsankov, K. Petkov. Optical properties of multi-component arsenic-containing chalcogenide thin films. Journal of Optoelectronics and Advanced Materials, 9, 2, National Institute of Optoelectronics (INOE 2000) and National Institute of Material Physics (NIMP), 2007, ISSN:1454-4164, 344-347. SJR:0.184, ISI IF:0.433

Цитира се е:

- 155.** Nastas, A.M., Iovu, M.S., Prisacar, A.M., Meshalkin, A.Yu., Sergeev, S.A. Influence of corona discharge on holographic recording of diffraction gratings in Cu-chalcogenide film structures, Journal of Non-Crystalline Solids, 438, pp. 7-9, (2016)., **@2016**
- 65.** **Stoykova, E.**, Alatan, A., Benzie, P., Grammalidis, N., Malassiotis, S., Ostermann, J., Piekh, S., Sainov, V., Theobalt, C., Thevar, T., Zabulis, X.. 3D Time-Varying Scene Capture Technologies – A Survey. IEEE Transactions on Circuits and Systems for Video technology, 17, 11, 2007, 1568-1586. ISI IF:2.615

Цитира се е:

- 156.** Shelley, A. N. (2016). INCORPORATING MACHINE VISION IN PRECISION DAIRY FARMING TECHNOLOGIES. University of Kentucky, Faculty of Engineering, PhD thesis, **@2016**
- 157.** La Torre, J. P., Amin, M. J., Thompson, B., & Riza, N. A. (2016). Optical Shape Sensor Using Electronically Controlled Lens. IEEE Sensors Journal, 16(12), 4776-4785., **@2016**
- 158.** Foix Salmerón, S. (2016). Task-oriented viewpoint planning for free-form objects. University of Cataluniya, PhD thesis, **@2016**

---

## 2008

---

- 66.** Gérardin C., **Kostadinova D.**, Coq B., Tichit D.. LDH nanocomposites with different guest entities as precursors of supported Ni catalysts. Chemistry of Materials, 20, 6, ACS Publications, 2008, DOI:10.1021/cm071194l, 2086-2094. ISI IF:8.354

Цитира се е:

- 159.** Influence of the preparation route on the basicity of La-containing mixed oxides obtained from LDH precursors By: Cota, Iuliana; Ramirez, Eliana; Medina, Francisco; et al. JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL Volume: 412 Pages: 101-106 DOI: 10.1016/j.molcata.2015.11.022, **@2016**
- 160.** The promotional effect of surface defects on the catalytic performance of supported nickel-based catalysts By: Li, Yizhen; Yu, Jiaying; Li, Wei; et al. PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 18 Issue: 9 Pages: 6548-6558 DOI: 10.1039/c5cp07371e, **@2016**
- 67.** Singh, G., Bittner, AM, Loscher, S, **Malinowski, N**, Kern, K. Electrospinning of diphenylalanine nanotubes. ADVANCED MATERIALS, 20, 12, WILEY-V C H VERLAG GMBH, 2008, ISSN:0935-9648, DOI:10.1002/adma.200702802, 2332-2336. ISI IF:18.172

Цитира се е:

- 161.** Jiang, S., Mable, C.J., Armes, S.P., Crespy, D. Directed Assembly of Soft Anisotropic Nanoparticles by Colloid Electrospinning (2016) Macromolecular Rapid Communications, 37 (19), pp. 1598-1602., **@2016**

- 162.** Scott, G.G., McKnight, P.J., Tuttle, T., Ulijn, R.V. Tripeptide Emulsifiers (2016) Advanced Materials, 28 (7), pp. 1381-1386., **@2016**
- 163.** Shen, X., Liu, D., Pang, Y. Amyloid  $\beta$ 19-20 peptide in vitro self-assembled into architectural wires (2016) Materials Letters, 163, art. no. 19635, pp. 12-15., **@2016**
- 164.** Aytac, Z., Yildiz, Z.I., Kayaci-Senirmak, F., San Keskin, N.O., Tekinay, T., Uyar, T. Electrospinning of polymer-free cyclodextrin/geraniol-inclusion complex nanofibers: Enhanced shelf-life of geraniol with antibacterial and antioxidant properties (2016) RSC Advances, 6 (52), pp. 46089-46099, **@2016**
- 165.** Gregorczyk, K., Knez, M. Hybrid nanomaterials through molecular and atomic layer deposition: Top down, bottom up, and in-between approaches to new materials (2016) Progress in Materials Science, 75, pp. 1-37., **@2016**
- 166.** del Valle, Luis J.; Franco, Lourdes; Katsarava, Ramaz; Jordi Puiggallí, Electrospun biodegradable polymers loaded with bactericide agents AIMS MOLECULAR SCIENCE Volume: 3 Issue: 1 Pages: 52-87 2016, **@2016**
- 68.** Zurek, E, Autschbach, J, **Malinowski, N**, Enders, A, Kern, K. Experimental and theoretical investigations of the thermodynamic stability of Ba-C-60 and K-C-60 compound clusters. ACS NANO, 2, 5, AMER CHEMICAL SOC, 2008, ISSN:1936-0851, DOI:10.1021/nn800022d, 1000-1014. ISI IF:14.412

Цитира се в:

- 167.** Harnisch, M., Daxner, M., Scheier, P., Echt, O. Adsorption of sodium and cesium on aggregates of C60 (2016) European Physical Journal D, 70 (9), art. no. 192, , **@2016**

## 2009

- 69.** Dobrikov, G., Rassovska, M. M., Andreev, N. M., Boyadzhiev, S. I., Gesheva, K. A., Ivanova, T., **Sharlandjiev, P., Nazarova, D.**. Development of transparent heat mirrors based on metal oxide thin film structures. THIN SOLID FILMS, 518, 4, Elsevier, 2009, ISSN:0040-6090, DOI:DOI: 10.1016/j.tsf.2009.07.203, 1091-1094. ISI IF:1.76

Цитира се в:

- 168.** Design and development of ITO/Ag/ITO spectral beam splitter coating for photovoltaic-thermoelectric hybrid systems, **@2016**

- 70.** Leroy, F, **Karashanova, D**, Dufay, M, Debierre, JM, Frisch, T, Metois, JJ, Muller, P. Step bunching to step-meandering transition induced by electromigration on Si(111) vicinal surface. SURFACE SCIENCE, 603, 3, ELSEVIER SCIENCE BV, 2009, ISSN:0039-6028, DOI:10.1016/j.susc.2008.12.016, 507-512. ISI IF:1.925

Цитира се в:

- 169.** Coupeau, C, O. Camara, M. Drouet, J. Durinck, J. Bonneville, J. Colin, J. Grilhé, Slip-trace-induced vicinal step destabilization Phys. Rev. B 93, 041405(R), **@2016**

- 71.** Stoykova, E., Minchev, G., Sainov, V.. Fringe projection with a sinusoidal phase grating. Appl. Opt., 48, 2009, 4774-4784. ISI IF:1.784

Цитира се в:

- 170.** Singh, V., Dubey, V., Ahmad, A., Singh, G., & Mehta, D. S. (2016, March). A novel

phase shifting structured illumination microscopy. Proc. SPIE BiOS 9713 (pp. 97131K), @2016

72. Rauschenbach, S., Vogelgesang, R., **Malinowski, N.**, Gerlach, JW, Benyoucef, M, Costantini, G, Deng, ZT, Thontasen, N, Kern, K. Electrospray Ion Beam Deposition: Soft-Landing and Fragmentation of Functional Molecules at Solid Surfaces. ACS NANO, 3, 10, AMER CHEMICAL SOC, 2009, ISSN:1936-0851, DOI:DOI: 10.1021/nn900022p, 2901-2910. ISI IF:14.412

Цитира се е:

171. Fantuzzi, P., Martini, L., Candini, A., Corradini, V., Del Pennino, U., Hu, Y., Feng, X., Müllen, K., Narita, A., Affronte, M. Fabrication of three terminal devices by ElectroSpray deposition of graphene nanoribbons (2016) Carbon, 104, pp. 112-118., @2016
172. Johnson, G.E., Laskin, J. Understanding ligand effects in gold clusters using mass spectrometry (2016) Analyst, 141 (12), pp. 3573-3589, @2016
173. Johnson, G.E., Gunaratne, D., Laskin, J. Soft- and reactive landing of ions onto surfaces: Concepts and applications (2016) Mass Spectrometry Reviews, 35 (3), pp. 439-479., @2016
174. Saywell, A., Browning, A.S., Rahe, P., Anderson, H.L., Beton, P.H. Organisation and ordering of 1D porphyrin polymers synthesised by on-surface Glaser coupling, (2016) Chemical Communications, 52 (68), pp. 10342-10345., @2016
175. Hou, J., Zheng, Q., Badu-Tawiah, A.K., Xiong, C., Guan, C., Chen, S., Nie, Z., Wang, D., Wan, L., Electrospray soft-landing for the construction of non-covalent molecular nanostructures using charged droplets under ambient conditions, (2016) Chemical Communications, 52 (94), pp. 13660-13663., @2016
73. K. Petkov, **R. Todorov, J. Tasseva**, D. Tsankov. Structure, linear and non-linear optical properties of thin AsxSe<sub>1-x</sub> films. Journal of Optoelectronics and Advanced Materials, 11, 12, National Institute of Optoelectronics (INOE 2000) and National Institute of Material Physics (NIMP), 2009, ISSN:1454-4164, 2093-2101. SJR:0.184, ISI IF:0.433

Цитира се е:

176. W. Guo, B. Zhang, C. Zhai, S. Qi, Y. Yu, A. Yang, L. Li, Z. Yang, R. Wang, D. Tang, G. Tao, and B. Luther-Davies, Fabrication and Application of Small Core Chalcogenide Glass Fibers in Nonlinear Optics, Journal of Inorganic Materials 31(2) (2016) 181-184; DOI: 10.15541/jim20150229, @2016
74. **Babeva, T, Todorov, R**, Mintova, S, Yovcheva, T, Naydenova, I, Toal, V. Optical properties of silica-MFI doped acrylamide-based photopolymer. J. Opt. A: Pure Appl. Op, 11, 2009, 024015. ISI IF:2.059

Цитира се е:

177. T. Mikulchyk, "Development of holographic sensors for monitoring relative humidity and temperature", PhD Thesis, DIT, Dublin, Ireland, (2016), @2016
178. S. Mandal, A. D. Planells, H.K. Hunt, "Impact of deposition and laser densification of Silicalite-1 films on their optical characteristics", Microporous and Mesoporous Materials, 223, 68-78, (2016), @2016
179. А. Лалова, "Многослойни структури от халкогенидно стъкло от системата As-S-Ge и органичния полимер PMMA", Дисертация за ОНС "Доктор", ИОМТ-БАН, София, (2016), @2016

75. **Marinova, V.**, Lin, S. H., Hsieh, M. L., Liu, R. C., Hsu, K. Y.. Ruthenium doping in bismuth sillenite crystals for dynamic holographic applications. OSA TOPS Photorefractive Materials, Effects and Devices, Control of Light and Matter, OSA TOPS, 2009

Цитира се в:

180. Petya Petkova, Karem Boubaker, Petko Vasilev, Mustafa Mustafa, Ayse Yumak, Darina Bachvarova "Common and different doping patterns within photo-reactive complexes of Co<sup>2+</sup> in Bi<sub>12</sub>SiO<sub>20</sub> and Co<sup>3+</sup> in Bi<sub>12</sub>TiO<sub>20</sub>" Optik 127, pp. 3925–3928, @2016

76. Ahmad, I., **Marinova, V.**, Goovaerts, E.. Photosensitive trigonal Cr<sup>3+</sup> center in Bi<sub>12</sub>SiO<sub>20</sub> co-doped with chromium and phosphorous investigated by high frequency electron paramagnetic resonance. OSA TOPS Photorefractive Materials, Effects and Devices, Control of Light and Matter, 178-179, June (2009), OSA TOPS, 2009

Цитира се в:

181. Petya Petkova, Karem Boubaker, Petko Vasilev, Mustafa Mustafa, Ayse Yumak, Darina Bachvarova "Common and different doping patterns within photo-reactive complexes of Co<sup>2+</sup> in Bi<sub>12</sub>SiO<sub>20</sub> and Co<sup>3+</sup> in Bi<sub>12</sub>TiO<sub>20</sub>" Optik 127, pp. 3925–3928, @2016

---

## 2010

---

77. **Todorov, R.**, **Tasseva, J.**, **Babeva, T.**, Petkov, K. Multilayer As<sub>2</sub>Se<sub>3</sub>/GeS<sub>2</sub> quarter wave structures for photonic applications. J. Phys. D: Appl. Phys, 43, 2010, 505103. SJR:0.982, ISI IF:2.721

Цитира се в:

182. А. Лалова, "Многослойни структури от халкогенидно стъкло от системата As-S-Ge и органичния полимер PMMA", Дисертация за ОНС "Доктор", ИОМТ-БАН, София, (2016), @2016

78. Leite, E., **Babeva, T.**, Ng, E.-P, Toal, V, Mintova, S, Naydenova, I. Optical Properties of Photopolymer Layers Doped with Aluminophosphate Nanocrystals. Journal of Physical Chemistry C, 114, 39, 2010, 16767-16775. ISI IF:4.772

Цитира се в:

183. Mao, D., Geng, Y., Liu, H., (...), Xian, L., Yu, D., "Two-way shift of wavelength in holographic sensing of organic vapor in nanozeolites dispersed acrylamide photopolymer", Applied Optics, 55 (23), 6212-6221, (2016)., @2016

184. Liu, H., Yu, D., Mao, D., Geng, Y., Wang, W., "Modeling swelling and absorption dynamics for holographic sensing in analytes sensitive photopolymer", Optics Communications, 368, 95-104, (2016)., @2016

185. T. Mikulchyk, "Development of holographic sensors for monitoring relative humidity and temperature", PhD Thesis, DIT, Dublin, Ireland, (2016), @2016

79. **Tasseva, J.**, **Todorov, R.**, **Babeva, T.**, Petkov, K. Structural and optical characterization of Ag photo-doped thin As<sub>40</sub>S<sub>60</sub>-xSex films for non-linear applications. Journal of Optics, 12, 2010, 065601. ISI IF:2.059

Цитира се в:

186. Palka, K., Slang, S., Buzek, J., Vlcek, M., "Selective etching of spin-coated and thermally

evaporated As<sub>30</sub>S<sub>45</sub>Se<sub>25</sub> thin films”, Journal of Non-Crystalline Solids, 447, 104-109, (2016)., @2016

187. Sandra Helena Messaddeq, Olivier Boily, Silvia Helena Santagneli, Mohammed El-Amraoui, and Younès Messaddeq, As<sub>4</sub>S<sub>4</sub> role on the photoinduced birefringence of silver-doped chalcogenide thin films, Optical Materials Express, 6, pp.1451-1463, 2016., @2016
80. **Babeva, T**, Naydenova, I, Mackey, D, Martin, S, Toal, V. Two-way diffusion model for short-exposure holographic grating formation in acrylamide based photopolymer. J. Opt. Soc. Am. B, 27, 2, 2010, 197-203. ISI IF:1.97

Цитира се в:

188. T. Mikulchyk, “Development of holographic sensors for monitoring relative humidity and temperature”, PhD Thesis, DIT, Dublin, Ireland, (2016), @2016
189. Pramitha, V., Das, B., Joseph, J., (...), Sreekumar, K., Kartha, C.S., “High efficiency panchromatic photopolymer recording material for holographic data storage systems”, Optical Materials, 52, 212-218, (2016), @2016
190. Kowalski, B.A., McLeod, R.R., “Design concepts for diffusive holographic photopolymers”, Journal of Polymer Science, Part B: Polymer Physics, 54 (11), 1021-1035, (2016), @2016
191. Shelkovnikov, V.V., Derevyanko, D.I., Ektova, L.V., (...), Vasil'iev, E.V., Karpova, E.V., “Photopolymerization kinetics of a thiol-enol composition determined via recording/playback of a transmission holographic diffraction grating”, Polymer Science - Series B, 58 (5), 519-528, (2016), @2016
192. R. Fernández, S. Gallego, A. Márquez, J. Francés, V. Navarro-Fuster, and I. Pascual, “Diffractive lenses recorded in absorbent photopolymers”, Optics Express, Vol. 24, Issue 2, 1559-1572 (2016), @2016
81. **Tomova, R. L.**, Petrova, P. K., Stoycheva-Topalova, R.. Effect of inserting of thin Rubrene layer on performance of Organic Light-Emitting Diodes based on Zn(BTz)2. Journal of Physics: Conference Series, 253, 1, IOP Publishing Ltd, 2010, ISSN:1742-6596, DOI:doi:10.1088/1742-6596/253/1/012048, 012048. SJR:0.265
- Цитира се в:
193. Wang Yanjun, Growth and Characterization of Rubrene polycrystalline films, Degree thesis of Institute of Mechanical Engineering, Central Plains University, 2016 (2016/01/01), @2016
82. Ivanov, G., **Tomova, R.**, Djambova,S., Nadoliiski, M., Dimova-Malinovska, D.. Functionalized aerogels—new nanomaterials for energy-efficient building. Preliminary AFM, nanoindentation and EIS studies.. J Phys: Conf Series., 253, 1, IOP Publishing Ltd., 2010, ISSN:ISSN:1742-6588, Art.012077. SJR:0.211
- Цитира се в:
194. Buratti C., Moretti E., Belloni E., Nanogel Windows for Energy Building Efficiency, Chapter in Nano and Biotech Based Materials for Energy Building Efficiencypp, 2016 - Springer, 41-69, @2016
83. Thontasen, N, Levita, G, **Malinowski, N**, Deng, Z, Rauschenbach, S, Kern, K. Grafting Crown Ether Alkali Host-Guest Complexes at Surfaces by Electrospray Ion Beam Deposition. JOURNAL OF

Цитира се въз:

195. Schön, J.C., Oligschleger, C., Cortes, J., Prediction and clarification of structures of (bio)molecules on surfaces, (2016) Zeitschrift fur Naturforschung - Section B Journal of Chemical Sciences, 71 (5), pp. 351-374, **@2016**
196. Johnson, G.E., Gunaratne, D., Laskin, J., Soft- and reactive landing of ions onto surfaces: Concepts and applications, (2016) Mass Spectrometry Reviews, 35 (3), pp. 439-479., **@2016**
197. Teyssandier, J., Feyter, S.D., Mali, K.S., Host-guest chemistry in two-dimensional supramolecular networks, (2016) Chemical Communications, 52 (77), pp. 11465-11487., **@2016**

84. **Stoykova, E.**, Nenchev, M.. Gaussian Beam Interaction with Air-gap Fizeau Interferential wedge. JOSA A, 1, 27, 2010, 58-68. ISI IF:1.498

Цитира се въз:

198. M. Deneva , Two-wavelength lasers based on pumping by laser Gaussian-beam as instrumentation for materials and chemical products analysis, Bulgarian Chemical Communications, Volume 48, Special Issue E (pp. -) 2016, **@2016**
85. **Tomova R. L., Petrova, P. K.**, Stoycheva-Topalova, R.. Role of bathocuproine as hole-blocking and electron-transporting layer in Organic Light Emitting Devices. Physica Status Solidi C, 7, 3-4, Wiley-VCH Verlag, 2010, ISSN:1610-1642, DOI:10.1002/pssc.200982725, 992-995. SJR:0.381

Цитира се въз:

199. Chidirala, S., Ulla, H., Valaboju, A., Kiran, M.R., Mohanty, M.E., Satyanarayan, M.N., Umesh, G., Bhanuprakash, K., Rao, V.J., Pyrene-Oxadiazoles for Organic Light-Emitting Diodes: Triplet to Singlet Energy Transfer and Role of Hole-Injection/Hole-Blocking Materials, J. Org. Chem., 81, (2), 603-614, (2016), **@2016**
86. **Todorov R**, Paneva A, Petkov K. Optical characterization of thin chalcogenide films by multiple-angle-of-incidence ellipsometry. Thin Solid Films, 518, 12, 2010, 3280-3288. SJR:0.693, ISI IF:1.759

Цитира се въз:

200. M. I. Abd-Elrahman, M. M. Hafiz, Ammar Qasem, M. A. Abdel-Rahim, Characterization of the optical constants and dispersion parameters of chalcogenide Te40Se30S30 thin film: thickness effect, Applied Physics A, 122, 45, 2016, **@2016**
201. F. Abdel-Wahaba, A. Merazga, M.S. Rasheedya, A.A. Montaser, Optical characterization of the annealing effect on Ge5Te20Se75 thin films by variable angle of-incidence spectroscopic ellipsometry, Optik 127, 3871–3877, 2016., **@2016**
202. Zishan H. Khan, Shamshad A. Khan, Faisal A. Agel, Numan A. Salah, M. Husain, Chalcogenides to Nanochalcogenides; Exploring Possibilities for Future R&D, Chapter in Advances in Nanomaterials, vol.79, of the series Advanced Structured Materials, pp 135-202, Date: 15 March 2016., **@2016**
203. Asim Mantarci, Bayram Gündüz, A study on refractive index dispersion and optoelectronic parameters of the BCzVB OLED material by using solution method,

87. Ivanova, T., Gesheva, K. A., Abrashev, M., **Sharlandjiev, P., Nazarova, D.** Optical and vibrational spectra analysis of CVD – mixed oxide films: Optimization of the films electrochromic performance. Journal of Physics: Conference Series, 233, 1, IOP Publishing Ltd, 2010, ISSN:1742-6596, DOI:doi:10.1088/1742-6596/223/1/012039, 012039

Цитира се в:

204. C. Prameela, M. Anjaiah, K. KrishnaMurthy, K. Srinivasarao, Optical and IR studies on  $(\text{MoO}_3)_{1-x}-(\text{WO}_3)_x$  mixed oxide thin films, Phys. Chem. Glasses: Eur. J. Glass Sci. Technol. B, June 2016, 57 (3), 139–145, @2016

88. Lin, Ching-Hsi, **Dimitrov, Dimitre Z.**, Du, Chen-Hsun, Lan, Chung-Wen. Influence of surface structure on the performance of black-silicon solar cell. Phys. Status Solidi C, 7, 11-12, 2010, 2778-2784

Цитира се в:

205. V. Yerokhov and O. Yerokhova “Coatings of the Black silicon type for silicon solar cells” TCSET 2016, Febr.23-26, Lviv-Slavskie, Ukraine, pp. 388-391 (2016), @2016

206. Repo, Päivikki “Reducing surface recombination in black silicon photovoltaic devices using atomic layer deposition” Aalto University publication series Doctoral Dissertations, @2016

89. **Marinova, V**, Ahmad, I., Goovaerts, E.. Photoinduced absorption study of carrier dynamics in Ru-doped  $\text{Bi}_{12}\text{SiO}_{20}$  crystals after nanosecond laser pulse excitation. Journal of Applied Physics, 107, 11, 2010, 113106. ISI IF:2.101

Цитира се в:

207. A. V. Ilinskii, R. A. Castro, L. A. Nabiullina, M. E. Pashkevich, E. B. Shadrin, "Dielectric Study of Electron Capture Centers in Sillenite Crystals  $\text{Bi}_{12}\text{SiO}_{20}$ ", Applied Mechanics and Materials, Vol. 835, pp. 20-26, @2016

---

## 2011

---

90. Watanabe, H, Rajagopalan, U M, Nakamichi, Y, Igarashi, K M, **Madjarova, V D**, Kadono, H, Tanifuji, M. In vivo layer visualization of rat olfactory bulb by a swept source optical coherence tomography and its confirmation through electrocoagulation and anatomy. Biomedical Optics Express, 2, 8, 2011, DOI:10.1364/BOE.2.002279, 2279-2287. ISI IF:3.648

Цитира се в:

208. Tang, Q., Tsytarev, V., Frank, A., Wu, Y., Chen, C.-W., Erzurumlu, R.S., Chen, Y., In Vivo Mesoscopic Voltage-Sensitive Dye Imaging of Brain Activation, Scientific Reports, 6, art. no. 25269., @2016

91. Naydenova, I, Leite, E, **Babeva, T**, Pandey, N, Baron, T, Yovcheva, T, Sainov, S, Martin, S, Mintova, S, Toal, V. Optical properties of photopolymerisable nanocomposites containing nanosized molecular sieves. Journal of Optics, 13, 2011, 044019. ISI IF:2.059

Цитира се в:

209. Liu, H., Yu, D., Mao, D., Geng, Y., Wang, W., “Modeling swelling and absorption

dynamics for holographic sensing in analytes sensitive photopolymer”, Optics Communications, 368, 95-104, (2016)., @2016

210. T. Mikulchyk, “Development of holographic sensors for monitoring relative humidity and temperature”, PhD Thesis, DIT, Dublin, Ireland, (2016), @2016

92. **Stoykova, E.**, Gotchev, A., Sainov, V.. Analysis of a Multi-wavelength Multi-camera Phase-shifting Profilometric System for real-time Operation. Optics Commun., 284, 1, Elsevier, 2011, ISSN:0030-4018, DOI:doi:10.1016/j.optcom.2010.08.050, 88-97. ISI IF:1.45

Цитира се е:

211. Juarez-Salazar, R., et al. "Intensity normalization of additive and multiplicative spatially multiplexed patterns with n encoded phases." Optics and Lasers in Engineering 77 (2016): 225-229., @2016

93. K. Petkov, G. Vassilev, **R. Todorov, J. Tasheva**, V. Vassilev. Optical properties and structure of thin films from the system GeSe<sub>2</sub>-Sb<sub>2</sub>Se<sub>3</sub>-AgI. Journal of Non-Crystalline Solids, 357, 14, ELSEVIER SCIENCE BV, 2011, ISSN:0022-3093, DOI:10.1016/j.jnoncrysol.2011.03.044, 2669-2674. SJR:0.753, ISI IF:1.766

Цитира се е:

212. Yu. S. Tver'yanovich, S. V. Fokina, A. S. Tver'yanovich, A. V. Kurochkin, V. V. Tomaev, Chalcogenide glass for AgI-based nanolayered films, Glass Physics and Chemistry, 42, pp.530–534, 2016., @2016

94. Todorov, N. D., Abrashev, M. V., Ivanov, V. G., Tsutsumanova, G.G., **Marinova, V.**, Wang, Y.Q., Iliev, M. N.. Comparative Raman study of isostructural YCrO<sub>3</sub> and YMnO<sub>3</sub>: Effects of structural distortions and twinning. Physical Review B, 83, 22, 2011, 224303. ISI IF:3.736

Цитира се е:

213. Venkateswara rao Mannepalli and Ranjith Ramadurai “Studies on Local Structural Inhomogeneity and Origin of Ferroelectricity in Yttrium chromite Ceramics” MRS Advances, Volume 1, Issue 09, pp 609-614, @2016

214. Ashish Kumar Mall, Ashish Garg, and Rajeev Gupta “High temperature X-ray diffraction, Raman spectroscopy and dielectric studies on yttrium orthochromites” AIP Conference Proceedings 1728, 020239, @2016

215. Sujoy Saha, Sadhan Chanda, Alo Dutta, T.P. Sinha “Dielectric relaxation of PrFeO<sub>3</sub> nanoparticles” Solid State Sciences, Volume 58, Pages 55–63, @2016

216. Júlia Cristina Soares “Processamento de interlantanideos e investigacao de suas propriedades estructurais e vibracionais” Dissertation, Ref.# 73, @2016

95. Iliev, M. N., Ivanov, V. G., Todorov, N. D., **Marinova , V.**, Abrashev, M. V., Petrova, R., Wang, Y.Q., Litvinchuk, A. P.. Lattice dynamics of the alpha and beta phases of LiFe<sub>5</sub>O<sub>8</sub>. Physical Review B, 83, 17, 2011, 174111. ISI IF:3.736

Цитира се е:

217. Christian Reitz, Christian Suchomski, Di Wang, Horst Hahn and Torsten Brezesinski “in situ tuning of magnetization via topotactic lithium insertion in ordered mesoporous lithium ferrite thin films” J. Mater. Chem. C, 4, 8889, @2016

96. **Stoykova, E.**, Gotchev, A., Sainov, V.. Analysis of a Multi-wavelength Multi-camera Phase-shifting

Profilometric System for real-time Operation. Optics Communications, 284, 2011, 88-97. ISI IF:1.452

Цитира се е:

218. Juarez-Salazar, R., Robledo-Sanchez, C., Guerrero-Sanchez, F., Barcelata-Pinzon, A., Gonzalez-Garcia, J., & Santiago-Alvarado, A. (2016). Intensity normalization of additive and multiplicative spatially multiplexed patterns with n encoded phases. Optics and Lasers in Engineering, 77, 225-229., @2016
219. Picos, K., Juarez-Salazar, R., & Díaz-Ramírez, V. H. (2016, September). Fringe-projection method for three-dimensional digitization of human faces. In Proc. SPIE 9970 (pp. 99701Q), @2016
97. Boyraz, C., Mazumdar, D., Iliev, M., **Marinova, V.**, Ma, J., Srinivasan, G., Gupta, A.. Structural and magnetic properties of lithium ferrite ( $\text{LiFe}_5\text{O}_8$ ) thin films: Influence of substrate on the octahedral site order. Applied Physics Letters, 98, 1, 2011, 012507. ISI IF:3.302

Цитира се е:

220. B. Loukya, D.S. Negi, R. Sahu, N. Pachauri, A. Gupta, R. Datta "Structural characterization of epitaxial  $\text{LiFe}_5\text{O}_8$  thin films grown by chemical vapor deposition" Journal of Alloys and Compounds, Volume 668, Pages 187–193, @2016
98. Waeselmann, N., Mihailova, B., Maier, B. J., Paulmann, C., Gospodinov, M., **Marinova, V.**, Bismayer, U.. Local structural phenomena in pure and Ru-doped  $0.9\text{PbZn}_1/3\text{Nb}_2/3\text{O}_3-0.1\text{PbTiO}_3$  near the morphotropic phase boundary as revealed by Raman spectroscopy. Physical Review B, 83, 21, 2011, 214104. ISI IF:3.736

Цитира се е:

221. B. Mallesham, B. Viswanath and R. Ranjith "Effect of crystal structure and cationic order on phonon modes across ferroelectric phase transformation in  $\text{Pb}(\text{Fe}_{0.5-x}\text{Sc}_x\text{Nb}_{0.5})\text{O}_3$  bulk ceramics" AIP Advances 6, 015116, @2016
222. Irena Jankowska-Sumara, Min-Seok Jeong, Jae-Hyeon Ko, Andrzej Majchrowski & Józef Źmija "Phase transitions in  $\text{PbZr}_{0.72}\text{Sn}_{0.28}\text{O}_3$  single crystals studied by Raman spectroscopy" Phase Transitions: A Multinational Journal, Volume 89, Issue 7-8, pp. 768-776, @2016
223. Jiseung Ryu, Taimin Noh, Yong-Nam Kim and Heesoo Lee "Lattice Relaxation and Electrochemical Performances of Cobalt-Doped  $\text{Sr}_{0.9}\text{Ce}_{0.1}\text{MnO}_3-\delta$  Composite Cathodes for Intermediate-Temperature Solid Oxide Fuel Cells" J. Electrochem. Soc., volume 163, issue 7, F657-F662, @2016
99. Ahmad, I, **Marinova, V**, Vrielinck, H, Goovaerts, E. A photosensitive  $\text{Cr}^{3+}$  center in photorefractive  $\text{Bi}_{12}\text{SiO}_{20}$  crystals co-doped with chromium and phosphorus. Journal of Applied Physics, 109, 8, 2011, 083506. ISI IF:2.101

Цитира се е:

224. Victoriya M. Kapralova, Aleksander V. Il'insky, Rene Arata Castro, Liliya A. Nabiullina, Eugeniy B. Shadrin "An effect of optical radiation on charge and magnetic states of the iron ions in the sillenites" St. Petersburg Polytechnical University Journal: Physics and Mathematics, Volume 2, Issue 4, Pages 266–272, @2016
100. Welsch, Anna-Maria, Maier, Bernd J., Mihailova, Boriana, Angel, R J., Zhao, J., Paulmann, C.,

Engel, J M., Gospodinov, M., **Marinova, V.**, Bismayer, U.. Transformation processes in relaxor ferroelectric PbSc0.5Ta0.5O<sub>3</sub> heavily doped with Nb and Sn. Zeitschrift fur kristallographie, 226, 2, 2011, DOI:10.1524, 126-137. ISI IF:1.31

Цитира се е:

- 225.** Adukkadan Anil, Viswanathan Kumar “Local Structural Rearrangements and Evolution of Relaxor State in the Complex Perovskite (Ba<sub>1-x</sub>Pb<sub>x</sub>) (In<sub>0.50</sub>Nb<sub>0.50</sub>) O<sub>3</sub>“ Journal of the American Ceramic Society, Volume 99, Issue 12, pp. 3980–3984, @2016

---

## 2012

---

- 101.** **Lalova, A, Todorov, R.** Optical properties of porous chalcogenide films for sensor application. 398, Journal of Physics: Conference series, 2012, 012023

Цитира се е:

- 226.** Bayram Gündüz, Investigation of the spectral, optical and surface morphology properties of the N, N'-Dipentyl-3, 4, 9, 10-perylenediacarboximide small molecule for optoelectronic applications, Polymers for Advanced Technologies, 27 (2), pp. 144-155, 2016, DOI: 10.1002/pat.3607, @2016

- 102.** Kahle, S, Deng, Z, **Malinowski, N**, Tonnoir, C, Forment-Aliaga, A, Thontasen, N, Rinke, G, Le, D, Turkowski, V, Rahman, TS, Rauschenbach, S, Ternes, M, Kern, K. The quantum magnetism of individual manganese-12-acetate molecular magnets anchored at surfaces. NANO LETTERS, 12, 1, AMER CHEMICAL SOC, 2012, ISSN:1530-6984, DOI:10.1021/nl204141z, 518-521. ISI IF:13.198

Цитира се е:

- 227.** Lanzilotto, V., Malavolti, L., Ninova, S., Cimatti, I., Poggini, L., Cortigiani, B., Mannini, M., Totti, F., Cornia, A., Sessoli, R. The Challenge of Thermal Deposition of Coordination Compounds: Insight into the Case of an Fe<sub>4</sub> Single Molecule Magnet, (2016) Chemistry of Materials, 28 (21), pp. 7693-7702, @2016

- 228.** Pratihar, S., Barnes, G.L., Laskin, J., Hase, W.L. Dynamics of Protonated Peptide Ion Collisions with Organic Surfaces: Consonance of Simulation and Experiment, (2016) Journal of Physical Chemistry Letters, 7 (16), pp. 3142-3150., @2016

- 229.** Hayakawa, R., Karimi, M.A., Wolf, J., Huhn, T., Zöllner, M.S., Herrmann, C., Scheer, E. Large Magnetoresistance in Single-Radical Molecular Junctions (2016) Nano Letters, 16 (8), pp. 4960-4967., @2016

- 230.** Johnson, G.E., Laskin, J., Understanding ligand effects in gold clusters using mass spectrometry, (2016) Analyst, 141 (12), pp. 3573-3589., @2016

- 231.** Johnson, G.E., Gunaratne, D., Laskin, J., Soft- and reactive landing of ions onto surfaces: Concepts and applications, (2016) Mass Spectrometry Reviews, 35 (3), pp. 439-479., @2016

- 232.** Packwood, D.M., Katzgraber, H.G., Teizer, W. Stochastic Boltzmann equation for magnetic relaxation in high-spin molecules (2016) Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 472 (2187), art. no. 20150699, @2016

- 233.** Dreiser, J., Pacchioni, G.E., Donati, F., Gragnaniello, L., Cavallin, A., Pedersen, K.S., Bendix, J., Delley, B., Pivetta, M., Rusponi, S., Brune, H., Out-of-Plane Alignment of

Er(trensal) Easy Magnetization Axes Using Graphene, (2016) ACS Nano, 10 (2), pp. 2887-2892., @2016

234. Filipović, M., Belzig, W., Photon-assisted electronic and spin transport in a junction containing precessing molecular spin, (2016) Physical Review B - Condensed Matter and Materials Physics, 93 (7), art. no. 075402, @2016
103. Nikolov, A, Nedyalkov, N, Nikov, R, Atanasov, P, Alexandrov, M, **Karashanova, D.** Investigation of Ag nanoparticles produced by nanosecond pulsed laser ablation in water. Applied Physics A - Materials Science & Processing, 109, Springer-Verlag, 2012, ISSN:0947-8396, DOI:10.1007/s00339-012-7094-0, 315-322. ISI IF:1.545

Цитира се е:

235. Perito, B, Emilia Giorgetti, Paolo Marsili and Maurizio Muniz-Miranda, Antibacterial activity of silver nanoparticles obtained by pulsed laser ablation in pure water and in chloride solution, Beilstein Journal of Nanotechnology, Volume 7, pp 465–473 doi:10.3762/bjnano.7.40, @2016
236. Oseguera, G, David, O, Hernandez Utrera, O, Machorro Mejia, R, Silver Nanoparticles by Laser Ablation Confined in Alcohol Using an Argon Gas Environment JOURNAL OF LASER MICRO NANOENGINEERING 11 (2) (2016) 158-163, @2016
104. Liana Lucchetti, **Jordanka Tasheva**. Optically recorded tunable microlenses based on dye-doped liquid crystal cells. Applied Physics Letters, 100, 18, American Institute of Physics, 2012, ISSN:0003-6951, DOI:10.1063/1.4711203, 181111-1-181111-3. SJR:2.178, ISI IF:3.794

Цитира се е:

237. Hongjing Li, Jianhao Wang, Changshun Wang, Pengfei Zeng, Peng Cai, Yujia Pan, and Yifei Yang, "Off-resonant nonlinear optical refraction properties of azo dye doped nematic liquid crystals", Opt. Mater. Express 6, 459-465 (2016). doi: 10.1364/OME.6.000459, @2016
105. **R Todorov, A Lalova, K Petkov, J Tasheva**. Spectral Properties of the Silver Photodoping Process in Thin As - S - Se Layers. Semiconductor Science and Technology, 27, 11, IOP PUBLISHING LTD, 2012, ISSN:0268-1242, DOI:10.1088/0268-1242/27/11/115014, 115014-1-115014-8. SJR:0.816, ISI IF:2.206

Цитира се е:

238. K. Palka, S. Slang, J. Buzek, M. Vlcek, Selective etching of spin-coated and thermally evaporated As<sub>30</sub>S<sub>45</sub>Se<sub>25</sub> thin films, Journal of Non-Crystalline Solids 447 (2016) pp.104–109., @2016
106. Morandi S., Manzoli M., Prinetto F., Ghiotti G., Gérardin C., **Kostadinova D.**, Tichit D.. Supported Ni catalysts prepared by intercalation of Layered Double Hydroxides:Investigation of acid-base properties and nature of Ni phases. Microporous and Mesoporous Materials, 147, 1, Elsevier B.V., 2012, DOI:10.1016/j.micromeso.2011.06.013, 178-187. ISI IF:3.453

Цитира се е:

239. Dispersed Nickel Nanoparticles on Flower-like Layered Nickel-Cobalt Double Hydroxides for Non-enzymic Amperometric Sensing of Glucose Chen, J; Sheng, QL ; Wang, Y ; Zheng, JB ELECTROANALYSIS, Volume: 28, Issue: 5, Pages: 979-984 DOI: 10.1002/elan.201500599, @2016
240. Incorporation of Ni into HZSM-5 zeolites: Effects of zeolite morphology and page 30/47

incorporation procedure Ganjhanlou, Yadolah; Gropo, Elena; Bordiga, Silvia; et al. MICROPOROUS AND MESOPOROUS MATERIALS Volume: 229 Pages: 76-82 DOI: 10.1016/j.micromeso.2016.04.002, @2016

107. Ivanov. B., Shopova. M., **Stoykova, E.**, Sainov, V.. Reconstruction of silver-halide volume reflection holograms at the wavelengths of recording. Optica Applicata, 42, 3, 2012, ISI IF:0.541

Цитира се в:

241. Kawamura, G., Ikeda, K., Ito, T., Muto, H., Lim, P. B., Inoue, M., & Matsuda, A. (2016). Reversible change of diffraction efficiency in Cl-containing 3-glycidoxypipropyl silsesquioxane films co-doped with Ag and Cu. Journal of the Ceramic Society of Japan, 124(2), 150-154., @2016

108. Rauschenbach, S, Rinke, G, **Malinowski, N**, Weitz, RT, Dinnebier, R, Thontasen, N, Deng, ZT. Crystalline Inverted Membranes Grown on Surfaces by Electrospray Ion Beam Deposition in Vacuum. ADVANCED MATERIALS, 24, 20, WILEY-V C H VERLAG GMBH, 2012, ISSN:0935-9648, DOI:10.1002/adma.201104790, 2761-2767. ISI IF:14.829

Цитира се в:

242. Pratihar, S., Barnes, G.L., Laskin, J., Hase, W.L. , Dynamics of Protonated Peptide Ion Collisions with Organic Surfaces: Consonance of Simulation and Experiment, Journal of Physical Chemistry Letters, Volume 7, Issue 16, 18 August 2016, Pages 3142-3150, @2016

243. Méthivier, C., Cruguel, H., Costa, D., Pradier, C.-M., Humblot, V. , Tuning the Surface Chirality of Adsorbed Gly-Pro Dipeptide/Cu(110) by Changing Its Chemical Form via Electrospray Deposition, Langmuir, Volume 32, Issue 51, 27 December 2016, Pages 13759-13763, @2016

244. Hou, J., Zheng, Q., Badu-Tawiah, A.K., (...), Wang, D., Wan, L.; Electrospray soft-landing for the construction of non-covalent molecular nanostructures using charged droplets under ambient conditions, Chemical Communications, Volume 52, Issue 94, 2016, Pages 13660-13663, @2016

245. Johnson, G.E., Gunaratne, D., Laskin, J., Soft- and reactive landing of ions onto surfaces: Concepts and applications, Mass Spectrometry Reviews, Volume 35, Issue 3, 1 May 2016, Pages 439-479, @2016

246. Schön, J.C., Oligschleger, C., Cortes, J.; Prediction and clarification of structures of (bio)molecules on surfaces, Zeitschrift fur Naturforschung - Section B Journal of Chemical Sciences, Volume 71, Issue 5, May 2016, Pages 351-374, @2016

109. Bodurov, I, Yovcheva, T, Vlaeva, I, Viraneva, A, **Todorov, R, Spassov, G**, Sainov, S. Diffraction efficiency increasing of nano-scale holographic recording in corona charge condition. Journal of Physics: Conference Series, 398, 2012, art.012053. SJR:0.217

Цитира се в:

247. Nastas, A.M., Iovu, M.S., Prisacar, A.M., Meshalkin, A.Yu., Sergeev, S.A. Influence of corona discharge on holographic recording of diffraction gratings in Cu-chalcogenide film structures, Journal of Non-Crystalline Solids, 438, pp. 7-9, (2016)., @2016

110. **Ivanov,P.**, Stanimirov,S., Kaloyanova,S., Petkov,I.. Synthesis and photophysical properties of yellow-emitting iridium complexes. Effect of the temperature on the character of triplet emission. Journal of Fluorescence, 22, 6, Springer US, 2012, ISSN:1053-0509, DOI:10.1007/s10895, 1501-

Цитира се в:

248. Song, Y., Fan, R., Fan, J., Xing, K., Du, X., Wang, P., Yang, Y., Highly sensitive and selective fluorescent probes for Hg<sup>2+</sup> in Ag(i)/Cu(ii) 3D supramolecular architectures based on noncovalent interactions, Dalton Transactions, 45 16422-16432 (2016), DOI: 10.1039/c6dt02694j, @2016
249. Zhang, H.-J., Wang, P., Fan, R.-Q., Dong, Y.-W., Song, Y., Wang, Y.-L., Yang, Y.-L., 1-D wave-like chain, twofold 2-D layer, and chiral 3-D open framework based on multidentate ligand: Structural diversities, thermal properties, and photoluminescence, Journal of Coordination Chemistry, 69 1014-1025 (2016), DOI: 10.1080/00958972.2016.1142077, @2016
111. Deng, Z, Thontasen, N, **Malinowski, N**, Rinke, G, Harnau, L, Rauschenbach, S, Kern, K. A Close Look at Proteins: Submolecular Resolution of Two- and Three-Dimensionally Folded Cytochrome c at Surfaces. NANO LETTERS, 12, 5, AMER CHEMICAL SOC, 2012, ISSN:1530-6984, DOI:10.1021/nl3005385, 2452-2458. ISI IF:13.025

Цитира се в:

250. Hou, J., Zheng, Q., Badu-Tawiah, A.K., (...), Wang, D., Wan, L., Electrospray soft-landing for the construction of non-covalent molecular nanostructures using charged droplets under ambient conditions, Chemical Communications, Volume 52, Issue 94, 2016, Pages 13660-13663, @2016
251. Ozboyaci, M., Kokh, D.B., Wade, R.C. , , Three steps to gold: Mechanism of protein adsorption revealed by Brownian and molecular dynamics simulations, Physical Chemistry Chemical Physics, Volume 18, Issue 15, 21 April 2016, Pages 10191-10200, @2016
252. Johnson, G.E., Gunaratne, D., Laskin, J. , Soft- and reactive landing of ions onto surfaces: Concepts and applications, Mass Spectrometry Reviews, Volume 35, Issue 3, 1 May 2016, Pages 439-479, @2016
253. Schön, J.C., Oligschleger, C., Cortes, J. , Prediction and clarification of structures of (bio)molecules on surfaces, Zeitschrift fur Naturforschung - Section B Journal of Chemical Sciences, Volume 71, Issue 5, May 2016, Pages 351-374, @2016
254. Hu, Q., Laskin, J. , Secondary Structures of Ubiquitin Ions Soft-Landed onto Self-Assembled Monolayer Surfaces, Journal of Physical Chemistry B, Volume 120, Issue 22, 9 June 2016, Pages 4927-4936, @2016
255. Johnson, G.E. , Laskin, J., Understanding ligand effects in gold clusters using mass spectrometry, Analyst, Volume 141, Issue 12, 21 June 2016, Pages 3573-3589, @2016
256. Peter, E.K.a, Pivkin, I.V.a, Shea, J.-E.b; A canonical replica exchange molecular dynamics implementation with normal pressure in each replica, Journal of Chemical Physics, Volume 145, Issue 4, 28 July 2016, Article number 044903, @2016
257. Wang, J., Zhang, L., Hu, C., (...), Zhang, X., Lu, Q., Sub-molecular features of single proteins in solution resolved with scanning tunneling microscopy, Nano Research, Volume 9, Issue 9, 1 September 2016, Pages 2551-2560, @2016
258. Pompach, P., Benada, O., Rosulek, M., (...), Volný, M., Novák, P. , Protein Chips Compatible with MALDI Mass Spectrometry Prepared by Ambient Ion Landing, Analytical Chemistry, Volume 88, Issue 17, 6 September 2016, Pages 8526-8534, @2016

- 259.** Barinov, N.A., Prokhorov, V.V., Dubrovin, E.V., Klinov, D.V. ; AFM visualization at a single-molecule level of denatured states of proteins on graphite, *Colloids and Surfaces B: Biointerfaces*, Volume 146, 1 October 2016, Pages 777-784, **@2016**
- 260.** Laskin, J., Johnson, G.E., Prabhakaran, V. , Soft Landing of Complex Ions for Studies in Catalysis and Energy Storage, *Journal of Physical Chemistry C*, Volume 120, Issue 41, 20 October 2016, Pages 23305-23322, **@2016**
- 261.** Johnson, G.E., Moser, T., Engelhard, M., Browning, N.D., Laskin, J., Fabrication of electrocatalytic Ta nanoparticles by reactive sputtering and ion soft landing, *Jurnal of Chemical Physics*, Volume 145, Issue 17, 7 November 2016, Article number 174701, **@2016**
- 262.** Moghimian, Pouya; Harnau, Ludger; Srot, Vesna; et al., Controlled self-assembly of biomolecular rods on structured substrates *SOFT MATTER* Volume: 12 Issue: 13 Pages: 3177-3183 2016, **@2016**
- 263.** Méthivier, C., Cruguel, H., Costa, D., Pradier, C.-M., Humblot, V. , Tuning the Surface Chirality of Adsorbed Gly-Pro Dipeptide/Cu(110) by Changing Its Chemical Form via Electrospray Deposition, *Langmuir*, Volume 32, Issue 51, 27 December 2016, Pages 13759-13763, **@2016**

- 112.** Gospodinov, B, **Dikova, J**, Mintova, S, **Babeva, T**. Tunable Bragg stacks from sol-gel derived Ta<sub>2</sub>O<sub>5</sub> and MEL zeolite films. *Journal of Physics: Conference series*, 398, 2012, 012026. SJR:0.22

Цитира се в:

- 264.** Swarnasri Mandal, Alexis D. Planells, Heather K. Hunt, “Impact of deposition and laser densification of Silicalite-1 films on their optical characteristics”, *Microporous and Mesoporous Materials*, 223, (2016), 68–78, **@2016**
- 265.** К.Лазарова, “Поръзни едномерни фотонни кристали от метални оксиidi и наноразмерни зеолити за сензорни приложения”, ДИСЕРТАЦИЯ за ОНС „Доктор”, София, 2016 г., **@2016**
- 266.** А. Лалова, “Многослойни структури от халкогенидно стъкло от системата As-S-Ge и органичния полимер PMMA”, Дисертация за ОНС “Доктор”, ИОМТ-БАН, София, (2016), **@2016**
- 113.** **Babeva, T, Todorov, R**, Gospodinov, B, **Malinowski, N**, Fallah, J. El, Mintova, S. Nanosized MEL zeolite and GeSe<sub>2</sub> chalcogenide layers as functional building blocks of tunable Bragg stacks. *Journal of Materials Chemistry*, 22, 35, Royal Society of Chemistry, 2012, ISSN:0959-9428, 18136-18138. ISI IF:7.44

Цитира се в:

- 267.** К.Лазарова, “Поръзни едномерни фотонни кристали от метални оксиidi и наноразмерни зеолити за сензорни приложения”, ДИСЕРТАЦИЯ за ОНС „Доктор”, София, 2016 г., **@2016**
- 114.** **Dikova, J, Vlaeva, I, Babeva, T**, Yovcheva, T, Sainov, S. Optical and holographic properties of nano-sized As<sub>2</sub>S<sub>3</sub> films. *Optics and Lasers in Engineering*, 50, 2012, 838-843. ISI IF:2.237

Цитира се в:

- 268.** Achimova, E., “Direct surface relief formation in nanomultilayers based on chalcogenide glasses: A review”, *Surface Engineering and Applied Electrochemistry*, 52 (5), 456-468, (2016), **@2016**

- 115.** Stoykova, E., Yaras, F., Kang, H., Onural, L., Geltrude, A., Locatelli, M., Paturzo, M., Pelagotti, A., Meucci, R., Ferraro, P.. Visible reconstruction by a circular holographic display from digital holograms recorded under infrared illumination. Optics Letters, 37, 15, 2012, ISSN:0146-9592, 3120-3122. ISI IF:3.385

Цитира се в:

- 269.** Zeng, J., Sui, X., Gao, H., & Zhao, Y. (2016, September). A novel high spatial resolution recording method of far-infrared digital hologram based on vanadium dioxide film. In Proc. SPIE 9948 (pp. 994815)., @2016

- 116.** Todorov, R., Tasheva, J., Babeva, T. THIN CHALCOGENIDE FILMS FOR PHOTONIC APPLICATIONS. Photonic Crystals - Innovative Systems, Lasers and Waveguides, InTech, InTech, 2012, ISBN:978-953-51-0416-2

Цитира се в:

- 270.** К.Лазарова, “Поръзни едномерни фотонни кристали от метални оксиди и наноразмерни зеолити за сензорни приложения”, ДИСЕРТАЦИЯ за ОНС „Доктор”, София, 2016 г., @2016

- 271.** А. Лалова, “Многослойни структури от халкогенидно стъкло от системата As-S-Ge и органичния полимер PMMA”, Дисертация за ОНС “Доктор”, ИОМТ-БАН, София, (2016), @2016

---

## 2013

---

- 117.** Petrova, P., Ivanov, P., Marcheva, Y., Tomova, R.. Estimation of energy levels of new Iridium cyclometalated complexes via cyclic voltammetry. Bulgarian Chemical Communications, 45, Special Issue B, The Bulgarian Academy of Sciences and The Union of Chemists in Bulgaria, 2013, ISSN:0324-1130, 159-164. SJR:0.168, ISI IF:0.349

Цитира се в:

- 272.** Bursa, B., Wróbel, D., Barszcz, B., Kotkowiak, M., Vakuliuk, O., Gryko, D.T., Kolanowski, Ł., Baraniak, M., Lota, G., The impact of solvents on the singlet and triplet states of selected fluorine corroles - Absorption, fluorescence, and optoacoustic studies, Phys. Chem. Chem. Phys., 18, 7216-7228, (2016), @2016

- 118.** Todorov, N. D., Abrashev, M. V., Marinova, V., Kadiyski, M., Dimowa, L.. Raman spectroscopy and lattice dynamical calculations of Sc<sub>2</sub>O<sub>3</sub> single crystals. Physical Review B, 87, 10, American Physical Society, 2013, ISSN:0163-1829, 104301. SJR:2.334

Цитира се в:

- 273.** R. Fernández-González, J. J. Velázquez, V. D. Rodríguez, F. Rivera-López, A. Lukowiak, A. Chiasera, M. Ferrari, R. R. Gonçalves, J. Marrero-Jerez, F. Lahozbi and P. Núñez “Luminescence and structural analysis of Ce<sup>3+</sup> and Er<sup>3+</sup> doped and Ce<sup>3+</sup>-Er<sup>3+</sup> co doped Ca<sub>3</sub>Sc<sub>2</sub>Si<sub>3</sub>O<sub>12</sub> garnets: influence of the doping concentration in the energy transfer processes” RSC Adv., 6 (18), pp.15054-15061, @2016

- 119.** Nazarova, D. I., Nedelchev, L. L., Sharlandjiev, P. S.. Surface plasmon polariton characteristics and resonant coupling on thin Al, Ag and Au layers. Bulgarian Chemical Communications, 45, B, Bulgarian Academy of Sciences, Union of Chemists in Bulgaria, 2013, ISSN:0324-1130, 119-123. ISI IF:0.349

Цитира се е:

274. Monisha Kumar and K. Porsezian, "A comparative study of surface plasmon polariton propagation characteristics of various metals", AIP Conference Proceedings, Volume 1731, pages 080080:1-3; <http://dx.doi.org/10.1063/1.4947958> (2016), @2016
120. Dimitrova, M, Krumov, E, **Karashanova, D.** Simplified procedure for Al<sub>2</sub>O<sub>3</sub> microfibers preparation by the method of electrospinning. Bulgarian Chemical Communications, 45 Spessial Issue B, 2013, ISSN:0324-1130, 94-98. ISI IF:0.32

Цитира се е:

275. Stanishevsky, A, Brayer, WA, Pokorny, P, Kalous, T, Lukas, D, Nanofibrous alumina structures fabricated using high-yield alternating current electrospinning CERAMICS INTERNATIONAL 42 (15) (2016) 17154-17161 DOI: 10.1016/j.ceramint.2016.08.003, @2016
121. Nikolov, AS, Nikov, RG, Dimitrov, IG, Nedyalkov, NN, Atanasov, PA, Alexandrov, MT, **Karashanova, DB.** Modification of the silver nanoparticles size-distribution by means of laser light irradiation of their water suspensions. APPLIED SURFACE SCIENCE, 280, ELSEVIER SCIENCE BV,, 2013, ISSN:0169-4332, DOI:10.1016/j.apsusc.2013.04.079, 55-59. ISI IF:2.538

Цитира се е:

276. In-situ formation of silver nanoparticles on poly (lactic acid) film by gamma-radiation induced grafting of N-vinyl pyrrolidone Wang, JX, Chen, H, Chen, ZP, Chen, YH, Guo, D, Ni, MJ, Liu, SY, Peng, CR, MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS 63 (2016) 142-149 DOI: 10.1016/j.msec.2016.01.077, @2016
122. **R. Todorov, J. Tasheva, V. Lozanova, A. Lalova**, Tz. Iliev, A. Paneva. Ellipsometric Characterization of Thin Films from Multicomponent Chalcogenide Glasses for Application in Modern Optical Devices. ADVANCES IN CONDENSED MATTER PHYSICS, 2013, HINDAWI PUBLISHING CORPORATION, 2013, ISSN:1687-8108, DOI:10.1155/2013/308258, 308258-1-308258-11. SJR:0.924, ISI IF:1.175

Цитира се е:

277. I. Voynarovych, J. Buzek, K. Palka, M. Vlcek, Spectral dependence of photoinduced optical effects in As<sub>40</sub>S<sub>60-x</sub>Se<sub>x</sub> thin films, Thin Solid Films, 608, pp.8-15, 2016, doi: 10.1016/j.tsf.2016.04.013., @2016
123. Sosarov, Lyubomir, **Todorov, Rosen.** Optical properties of thin nanoporous aluminum films formed by anodization. Bulgarian Chemical Communication, 46, 2013, 47-50. SJR:0.156, ISI IF:0.349
- Цитира се е:
278. Hyeok-Chan Kwon, Areum Kim, Hongseuk Lee, Daehee Lee, Sunho Jeong, Jooho Moon, Parallelized Nanopillar Perovskites for Semitransparent Solar Cells Using an Anodized Aluminum Oxide Scaffold, Advanced Energy Materials, 6, 1601055. doi: 10.1002/aenm.201601055, @2016
124. Petkov, K, **Todorov, R**, Vassilev, V, Aljihmani, Lilia. Photo- and thermo-induced changes in optical constants and structure of thin films from GeSe<sub>2</sub>-GeTe-ZnTe system. Physics Procedia, 44, 2013, 142-150. SJR:0.401

Цитира се е:

- 279.** G.H. Abbady, K.A. Aly, Y. Saddeek, N. Afifi, Linear and non-linear optical properties of amorphous Se and M5Se95 (M = Ge, Ga and Zn) films, Bulletin of Materials Science, 39 (7), pp. 1819-1825, 2016., @2016
- 125.** Kang, H., **Stoykova, E.**, Park, J., Hong, S.H., Kim, Y.. Holographic printing of white-light viewable holograms and stereograms. Holography - Basic Principles and Contemporary Applications, 2013, ISBN:978-953-51-1117-7, 171-201

Цитира се е:

- 280.** Sánchez, A. M., & Prieto, D. V. (2016, September). Computer graphic method for direct correspondence image acquisition used in full parallax holographic stereograms. Proc. SPIE 9970 (pp. 99700F)., @2016
- 281.** Cody, D., Gribbin, S., Mihaylova, E., & Naydenova, I. (2016). Low-Toxicity Photopolymer for Reflection Holography. ACS Applied Materials & Interfaces, 8(28), 18481-18487, @2016
- 282.** Sánchez, A. M., & Velásquez, D. (2016, August). A computational method to acquired hogel images used in full parallax holographic stereograms. In Latin America Optics and Photonics Conference (pp. LW3D-5). Optical Society of America, @2016
- 283.** Sahin, E., Vagharskyan, S., Mäkinen, J., Bregovic, R., & Gotchev, A. (2016, September). Shearlet-domain light field reconstruction for holographic stereogram generation. In IEEE International Conference on Image Processing (ICIP), 2016 (pp. 1479-1483). IEEE., @2016
- 284.** González Villegas, A. (2016). Holopixel: estudio de la factibilidad de implementar la tecnología para el registro de hologramas de matriz de puntos (Master's thesis, Universidad EAFIT), @2016
- 126.** **Babeva, T, Lazarova, K, Vasileva, M,** Gospodinov, B, **Dikova, J.** Fabrication and characterization of high refractive index optical coatings by sol-gel method for photonic applications. Bulgarian Chemical Communications, 45, B, 2013, 28-32. ISI IF:0.349

Цитира се е:

- 285.** Swarnasri Mandal, Alexis D. Planells, Heather K. Hunt, "Impact of deposition and laser densification of Silicalite-1 films on their optical characteristics", Microporous and Mesoporous Materials, 223, (2016), 68–78, @2016
- 127.** Sainov, S, **Todorov, R**, Bodurov, I, Yovcheva, T. Holographic investigation of silver electromigration in nano-sized As<sub>2</sub>S<sub>3</sub> films. Journal of Optics, 15, art.105705, 2013, SJR:0.82, ISI IF:2.059

Цитира се е:

- 286.** Nastas, A.M., Iovu, M.S., Prisacar, A.M., Meshalkin, A.Yu., Sergeev, S.A. Influence of corona discharge on holographic recording of diffraction gratings in Cu-chalcogenide film structures, Journal of Non-Crystalline Solids, 438, pp. 7-9, (2016)., @2016
- 128.** **Dimitrov, Dimitre Z.**, Chen-Hsun Du. Crystalline silicon solar cells with micro/nano texture. Applied Surface Science, 266, 2013, ISSN:0169-4332, 1-4. ISI IF:2.711

Цитира се е:

- 287.** Yu-Sheng Jheng and Yeeu-Chang Lee "Fabrication of micro/nano hierarchical structures with Analysis on the Surface Mechanics" Applied Surface Science, Volume 384, Pages

288. P Kaur, DS Sarkar “Erosion dynamics of faceted pyramidal surfaces” Current Applied Physics, Vol. 16, Iss. 9, Pages 956–962, @2016
289. Wen-Jeng Ho, Jian-Jyun Liao, Zhong-Fu Hou, Chien-Wu Yeh, Ruei-Siang Sue “High efficiency textured silicon solar cells based on an ITO/TiO<sub>2</sub>/Si MOS structure and biasing effects” Computational Materials Science, Vol. 117, pp. 596–601, @2016
290. Nuggehalli M. Ravindra, Sita Rajyalaxmi Marthi, and Suramya Sekhri “Black Silicon: Processing, Properties, and Applications” Momentum Press, @2016
291. Jiachu Jiang, Yue He, Zelin Zhang, Jinquan Wei, Liangliang Li “Pb-free front-contact silver pastes with SnO single bond P2O<sub>5</sub> glass frit for crystalline silicon solar cells” Journal of Alloys and Compounds, Volume 689, Pages 662–668, @2016
292. M.F. Abdullah, M.A. Alghoul, Hameed Naser, Nilofer Asim, Shideh Ahmadi, B. Yatim, K. Sopian “Research and development efforts on texturization to reduce the optical losses at front surface of silicon solar cell” Renewable and Sustainable Energy Reviews, Volume 66, Pages 380–398, @2016
293. Ryu, Sel Gi; Park, Seungil; Ji, Hyung Yong; Parida, Bhaskar; Kim, Myeong Jun; Peck, Jong Hyeon; Kim, Kwang Ho; Kim, Keunjoo “Crystalline Silicon Solar Cells with SiO<sub>2</sub> Nanodots Thin Film Embedded in an Antireflection Coating Layer” Journal of Nanoscience and Nanotechnology, Volume 16, Number 10, pp. 10437-10446, @2016
294. Wenqing Zhu, Teng Xiao, Guangsheng Zhai, Jingting Yu, Guanjie Shi, Guo Chen and Bin Wei “A facile method to enhance out-coupling efficiency in organic light-emitting diodes via a random-pyramids textured layer” J. Phys. D: Appl. Phys. 49, 385103 (7pp), @2016
295. Yang Liu, Shufeng Wang, Zhijian Chen, Lixin Xiao “Applications of ferroelectrics in photovoltaic devices” Sci. China Mater., 59(10): 851–866, @2016
296. Jeong Kwon, Min Ji Im, Chan Ul Kim, Sang Hyuk Won, Sung Bum Kang, Sung Ho Kang, In Taek Choi, Hwan Kyu Kim, In Ho Kim, Jong Hyek Park and Kyoung Jin Choi “Two-terminal DSSC/silicon tandem solar cells exceeding 18% efficiency” Energy Environ. Sci., 9, 3657-3665, @2016
297. Sunho Choi, Boyun Jang, Joonsoo Kim, Heeeun Song, Moonhee Han “Cu-contamination of single crystalline silicon wafers with thickness of 100 μm during multi-wire sawing process” Solar Energy, Volume 125, Pages 198–206, @2016
298. An Pana, Jinhai Sia, Tao Chena, Cunxia Lib, Xun Houa “Fabrication of two-dimensional periodic structures on silicon after scanning irradiation with femtosecond laser multi-beams” Applied Surface Science, Volume 368, 15 , Pages 443–448, @2016
299. Yen-Yu Chou, Kuan-Tao Li, Yeeu-Chang Lee “Fabrication of hierarchical anti-reflective structures using polystyrene sphere lithography on an as-cut p-Si substrate” Applied Surface Science Vol. 377, pp. 81–85, @2016
129. **Nazarova, D. I., Nedelchev, L. L., Sharlandjiev, P. S., Dragostinova V. D.**. Anisotropic hybrid organic/inorganic (azopolymer/SiO<sub>2</sub> NP) materials with enhanced photoinduced birefringence. Applied Optics, 52, 22, OSA publishing, 2013, ISSN:2155-3165, DOI:10.1364/AO.52.000E28, E28-E33. ISI IF:1.78

Цитира се в:

300. Sandra Helena Messaddeq, Olivier Boily, Silvia Helena Santagneli, Mohammed El-Amraoui, and Younès Messaddeq, "As<sub>4</sub>S<sub>4</sub> role on the photoinduced birefringence of silver-doped chalcogenide thin films", Optical Materials Express Vol. 6, Issue 5, pp. 1451-

- 301.** Yasuo Tomita, Eiji Hata, Keisuke Momose, Shingo Takayama, Xiangming Liu, Katsumi Chikama, Jürgen Klepp, Christian Pruner & Martin Fally, "Photopolymerizable nanocomposite photonic materials and their holographic applications in light and neutron optics", Journal of Modern Optics, Volume 63, pp. S11-S41 (2016) DOI: 10.1080/09500340.2016.1143534, @2016
- 130.** **Marinova, V**, Goovaerts, E.. Relaxation of light-induced absorption in Cr-doped Bi<sub>12</sub>TiO<sub>20</sub> crystals. Bulgarian Chemical Communications, 45,, Special Issue B, 2013, 218-221. ISI IF:0.229  
Цитира се в:
- 302.** V. T. Avanesyan, K. I. Paima "Dielectric response of doped Bi<sub>12</sub>TiO<sub>20</sub>: Ru crystals in an alternating electric field" Physics of the Solid State, Volume 58, Issue 8, pp 1560–1562, @2016
- 131.** **T. Babeva, K. Lazarova, M. Vasileva, B. Gospodinov, J. Dikova.** Temperature tuning of optical properties of high refractive index metal oxide films obtained by the sol-gel method. 40, Bulgarian Journal of Physics, 2013, 253-257  
Цитира се в:
- 303.** AL-Rashdi, K, Farooqui, M., Mohsin, M., Rabbani, G., "METAL OXIDE THIN FILMS: A MINI REVIEW", Journal of Advanced Scientific Research, 7(1), 1-8, (2016)., @2016
- 132.** **R. Todorov, A. Lalova, J. Tasseva.** Thickness dependence of the optical properties of amorphous As – Ge – S thin films. Bulgarian Chemical Communications, 45, B, Bulgarian Academy of Sciences, Union of Chemists in Bulgaria, 2013, ISSN:0324-1130, 38-42. SJR:0.168, ISI IF:0.349  
Цитира се в:
- 304.** A.A.E. Adam, X. Cheng, X.S. Miao, The Effect of the Deposition Parameters on the Microstructural and Optical Properties of Mn-Doped GeTe Chalcogenide Materials, International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering, 10(5), pp.616-619, 2016., @2016
- 133.** **Kitova, S**, Kalaglarski, I, Stoimenov, R, **Kazakov, R**, **Mankov, V**. Zinc oxide nanostructures prepared on glass substrates by thermal evaporation of zinc at atmospheric pressure. Bulgarian Chemical Communications, 45, B, Bulgarian Academy of Sciences, 2013, ISSN:0861-9808, 99-104. ISI IF:0.349  
Цитира се в:
- 305.** Islam, M.S., Hossain, M.F., Razzak, S.M.A., Haque, M.M., Saha, D.K., Fabrication and Characterization of High-Crystalline Nanoporous ZnO Thin Films by Modified Thermal Evaporation System, International Journal of Nanoscience 15 (3), 1640004, 2016, @2016
- 134.** **Nedelchev, L., Nazarova, D., Dragostinova, V..** Photosensitive organic/inorganic azopolymer based nanocomposite materials with enhanced photoinduced birefringence. Journal of photochemistry and photobiology A: Chemistry (JPPA), 261, Elsevier, 2013, ISSN:1010-6030, DOI:doi:10.1016/j.jphotochem.2013.04.006, 26-30. ISI IF:2.416  
Цитира се в:
- 306.** Martinez-Ponce, G., "Mueller imaging polarimetry of holographic polarization gratings

---

2014

---

135. Shrestha, K., **Marinova, V.**, Lorenz, B., Chu, P. C. W.. Shubnikov-de Haas oscillations from topological surface states of metallic Bi<sub>2</sub>Se<sub>2.1</sub>Te<sub>0.9</sub>. Physical Review B, 90, American Physical Society, 2014, ISSN:ISSN 1079-7114, 241111(R). SJR:2.334

Цитира се в:

307. R.K. Gopal, Sourabh Singh, Jit Sarkar, Chiranjib Mitra "Tuning Chemical Potential in the Dirac Cone by Compositional Engineering" arXiv:1603.03924 [cond-mat.mes-hall], @2016
308. Shiu-Ming Huang, Shao-Yu Lin, Jui-Fang Chen, Chao-Kuei Lee, Shih-Hsun Yu, Mitch M C Chou, Cheng-Maw Cheng, and Hung-Duen Yang "Shubnikov–de Haas oscillation of Bi<sub>2</sub>Te<sub>3</sub> topological insulators with cm-scale uniformity" Journal of Physics D: Applied Physics, Volume 49, Number 25, @2016

136. Park, J., Kang, H., **Stoykova, E.**, Kim, Y., Hong, S., Choi, Y., Kim, Y., Kwon, S., Lee, S.. Numerical reconstruction of a full parallax holographic stereogram with radial distortion. Opt. Express, 22, 2014, 20776-20788. ISI IF:3.49

Цитира се в:

309. Sánchez, A. M., & Velásquez, D. (2016, August). A computational method to acquired hogel images used in full parallax holographic stereograms. In Latin America Optics and Photonics Conference (pp. LW3D-5). Optical Society of America., @2016
310. Sánchez, A. M., & Prieto, D. V. (2016, September). Computer graphic method for direct correspondence image acquisition used in full parallax holographic stereograms. In Proc. SPIE 9970 (pp. 99700F-99700F)., @2016
137. **Stoykova, E.**, Kang, H., Park, J.. Twin-image problem in digital holography-a survey (Invited Paper). Chin. Opt. Lett., 12, 060013, 2014, ISSN:1671-7694, ISI IF:0.968

Цитира се в:

311. Jiao, S., & Zou, W. (2016, October). Processing of digital holograms: segmentation and inpainting. In Proc. SPIE 10022 (pp. 1002206, @2016
312. Hattay, J., Belaid, S., Aguili, T., & Lebrun, D. (2016). A new wavelet-based reconstruction algorithm for twin image removal in digital in-line holography. Optics and Lasers in Engineering, 82, 159-172, @2016
313. Sha, B., Lu, Y., Xie, Y., Yue, Q., & Guo, C. (2016). Fast reconstruction of multiple off-axis holograms based on a combination of complex encoding and digital spatial multiplexing. Chinese Optics Letters, 14(6), 060902., @2016
314. Lv, X., Xiangli, B., Zhang, W., Wu, Z., Li, Y., Kong, X., & Zhou, Z. (2016). Multiframe full-field heterodyne digital holographic microscopy. Chinese Optics Letters, 14(5), 050901., @2016
315. Wang, Z., Chen, Y., & Jiang, Z. (2016). Dual-wavelength digital holographic phase reconstruction based on a polarization-multiplexing configuration. Chinese Optics Letters, 14(1), 010008., @2016

- 316.** Hong, Y., Shi, T., Zhang, Y., & Liao, G. (2016). Fringe contrast enhancement of digital off-axis hologram via sparse representation. Chinese Optics Letters, 14(6), 060901, **@2016**
- 138.** Virovska, D, Paneva, D, Manolova, N, Rashkov, I, **Karashanova, D.** Electrospinning/electrospraying vs. electrospinning: A comparative study on the design of poly(L-lactide)/zinc oxide non-woven textile. APPLIED SURFACE SCIENCE, 311, ELSEVIER SCIENCE BV, 2014, ISSN:0169-4332, DOI:10.1016/j.apsusc.2014.05.192, 842-850. ISI IF:2.711

Цитира се в:

- 317.** Zeng, C, Hongxia Wang, Hua Zhou, Tong Lin, Directional Water Transport Fabrics with Durable Ultra-High One-Way Transport Capacity, Advanced Materials Interfaces DOI: 10.1002/admi.201600036, **@2016**
- 318.** Yang, RT Hou-Yong Yu , Mei-Li Song, Yu-Wei Zhou, Ju-Ming Yao, Flower-like zinc oxide nanorod clusters grown on spherical cellulose nanocrystals via simple chemical precipitation method, Cellulose, Volume 23, Issue 3, pp 1871-1884, **@2016**
- 319.** Quirós, J, Karina Boltes, Roberto Rosal, Bioactive applications for electrospun fibers, Polymer Reviews, DOI:10.1080/15583724.2015.1136641, **@2016**
- 320.** Hybrid Nanostructures Containing Sulfadiazine Modified Chitosan as Antimicrobial Drug Carriers Munteanu, BS, Dumitriu, RP, Profire, L, Sacarescu, L, Hitruc, GE, Stoleru, E, Dobromir, M, Matricala, AL, Vasile, C, NANOMATERIALS Volume: 6 Issue: 11 Article Number: 207 DOI: 10.3390/nano6110207, **@2016**
- 321.** Rodriguez-Tobias, H., Morales, G., Grande, D., Improvement of mechanical properties and antibacterial activity of electrospun poly(D, L-lactide)-based mats by incorporation of ZnO-graft-poly(D, L-lactide) nanoparticles MATERIALS CHEMISTRY AND PHYSICS 182 (2016) 324-331, **@2016**
- 322.** Rodriguez-Tobias, H, Morales, G, Ledezma, A, Romero, J, Saldivar, R, Langlois, V, Renard, E, Grande, D, Electrospinning and electrospraying techniques for designing novel antibacterial poly(3-hydroxybutyrate)/zinc oxide nanofibrous composites JOURNAL OF MATERIALS SCIENCE 51 (18)(2016) 8593-8609. DOI: 10.1007/s10853-016-0119-x, **@2016**
- 139.** **Stoykova, E.**, Ivanov, B., Nikova, T.. Correlation-based pointwise processing of dynamic speckle patterns. Opt. Lett., 39, 2014, ISSN:0146-9592, 115-118. ISI IF:3.385

Цитира се в:

- 323.** Budini, N., Balducci, N., Mulone, C., & Monaldi, A. C. (2016). Extraction of dynamic speckle activity information from digital holograms. Optical Engineering, 55(12), 121716-121716., **@2016**
- 140.** Nikolov, AS, Nedyalkov, NN, Nikov, RG, Dimitrov, IG, Atanasov, PA, Maximova, K, Delaporte, P, Kabashin, A, Alexandrov, MT, **Karashanova, DB.** Processing conditions in pulsed laser ablation of gold in liquid for fabrication of nanowire networks. APPLIED SURFACE SCIENCE, 302, 2014, ISSN:0169-4332, DOI:10.1016/j.apsusc.2014.02.010, 243-249. ISI IF:2.711

Цитира се в:

- 324.** Musaev, OR , E. A. Sutter, J. M. Wrobel, M. B. Kruger, The effect of magnetic fields on the products of laser ablation, Applied Physics A, 122:95, **@2016**
- 325.** Darwish, AM, Wael H. Eisa, Ali A. Shabaka, Mohamed H. Talaat, Investigation of factors

affecting the synthesis of nano-cadmium sulfide by pulsed laser ablation in liquid environment, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy Volume 153, pp 315–320, @2016

141. Ivanov, V. G., Hadjiev, V. G., Litvinchuk, A. P., **Dimitrov, D. Z.**, Shivachev, B. L., Abrashev, M. V., Lorenz, B., Iliev, M.N.. Lattice Dynamics and Spin-Phonon Coupling in CaMn<sub>2</sub>O<sub>4</sub>: A Raman Study. Physical Review B, 89, 2014, 184307-1-184307-8. ISI IF:3.664

Цитира се е:

326. Evgeny V. Galuskin, Biljana Krüger, Hannes Krüger, Günter Blass, Remo Widmer, Irina O. Galuskina “Wernerkrauseite, CaFe<sub>3</sub>+2Mn<sub>4</sub>+O<sub>6</sub>: the first nonstoichiometric post-spinel mineral, from Bellerberg volcano, Eifel, Germany” European Journal of Mineralogy, 28 (2), pp.485-493, @2016

142. **Lazarova, K, Georgieva, B**, Spassova, M, **Babeva, T**. Preparation and characterization of mesoporous Nb<sub>2</sub>O<sub>5</sub> films for sensing applications. Journal of Physics: Conference series, 558, IOP Publishing, 2014, ISSN:17426588, DOI:10.1088/1742-6596, 012042. SJR:0.19

Цитира се е:

327. Kun-Neng Chen, Chao-Ming Hsu, Jing Liu, Yu-Chen Liou and Cheng-Fu Yang, Investigation of Antireflection Nb<sub>2</sub>O<sub>5</sub> Thin Films by the Sputtering Method under Different Deposition Parameters, Micromachines 2016, 7(9), 151; doi:10.3390/mi7090151, @2016

143. Cody, D, Mihaylova, E, O'Neill, L., **Babeva, T**, Awala, H, Retoux, R, Mintova, S, Naydenova, I. Effect of zeolite nanoparticles on the optical properties of diacetone acrylamide-based photopolymer. Optical materials, 37, 2014, 181-187. ISI IF:1.981

Цитира се е:

328. T. Mikulchyk, “Development of holographic sensors for monitoring relative humidity and temperature”, PhD Thesis, DIT, Dublin, Ireland, (2016), @2016

144. **Lazarova, K,**, Awala, H, Thomas, S, **Vasileva, M**, Mintova, S, **Babeva, T**. Vapor responsive one-dimensional photonic crystals from zeolite nanoparticles and metal oxide films for optical sensing. Sensors, 14, 2014, 12207-12218. ISI IF:2.245

Цитира се е:

329. P. Lova, C. Bastianini, P. Giusto, M. Patrini, P. Rizzo, G. Guerra, M. Iodice, C. Soci, and D. Comoretto, “Label-Free Vapor Selectivity in Poly(p-Phenylene Oxide) Photonic Crystal Sensors”, ACS Appl. Mater. Interfaces, 8 (46), 31941–31950, (2016), @2016

145. **Lazarova, K, Vasileva, M**, Marinov, G, **Babeva, T**. Optical characterization of sol-gel derived Nb<sub>2</sub>O<sub>5</sub> thin films. Optics & Laser Technology, 58, 2014, 114-118. ISI IF:1.647

Цитира се е:

330. Chen, K.-N., Hsu, C.-M., Liu, J., Liou, Y.-C., Yang, C.-F., “Investigation of antireflection Nb<sub>2</sub>O<sub>5</sub> thin films by the sputtering method under different deposition parameters”, Micromachines, 7 (9), 151, (2016), @2016

331. Zhao, D.-D., Cai, Q.-Y., Zheng, Y.-X., (...), Wang, S.-Y., Chen, L.-Y., “Optical constants of e-beam evaporated and annealed Nb<sub>2</sub>O<sub>5</sub> thin films with varying thickness”, Journal of Physics D: Applied Physics, 49 (26), 265304, (2016), @2016

- 332.** Lertlop, W., Sangwaranatee, N., Horprathum, M., Kaewkhao, J., "Influence of post-deposition annealing on structure and optical characteristics of niobium oxide thin films", Key Engineering Materials, 675-676, 245-248, (2016), **@2016**
- 333.** Pillis, M.F., Geribola, G.A., Scheidt, G., (...), de Oliveira, M.C.L., Antunes, R.A., "Corrosion of thin, magnetron sputtered Nb<sub>2</sub>O<sub>5</sub> films", Corrosion Science, 102, 317-325, (2016), **@2016**
- 334.** А. Лалова, "Многослойни структури от халкогенидно стъкло от системата As-S-Ge и органичния полимер PMMA", Дисертация за ОНС "Доктор", ИОМТ-БАН, София, (2016), **@2016**
- 335.** Banoth, E. ; Jagannadh, V.K. ; Gorthi, S.S., "Single-Cell Optical Absorbance Characterization With High-Throughput Microfluidic Microscopy", IEEE Journal of Selected Topics in Quantum Electronics, 22 (3, Article#: 6800106, (2016), **@2016**
- 146.** Babeva, T, Awala, H, Vasileva, M, Fallah, J. El, Lazarova, K, Thomas, S, Mintova, S. Zeolite films as building blocks for antireflective coatings and vapor responsive Bragg stacks. Dalton Transactions, 43, 2014, 8868-8876. ISI IF:4.197

Цитира се в:

- 336.** Mandal, S., Planells, A.D., Hunt, H.K., "Impact of deposition and laser densification of Silicalite-1 films on their optical characteristics", Microporous and Mesoporous Materials, 223, 68-78, (2016), **@2016**
- 147.** Costache, M. V., Neumann, I., Sierra, J. F., Marinova, V., Gospodinov , M. M.. Fingerprints of Inelastic Transport at the Surface of the Topological Insulator Bi 2Se3: Role of Electron-Phonon Coupling. Physical Review Letters, 112, 8, 2014, 086601. ISI IF:7.512

Цитира се в:

- 337.** Hong Liu, Weizhe Liu, Dimitrie Culcer "Coulomb drag in topological insulator films" Physica E: Low-dimensional Systems and Nanostructures, Vol. 79, pp. 72–79, **@2016**
- 338.** Benedikt Scharf, Alex Matos-Abiague, Jong E. Han, Ewelina M. Hankiewicz, Igor Žutić "Tunneling Planar Hall Effect in Topological Insulators: Spin-Valves and Amplifiers" Phys. Rev. Lett. 117, 166806, **@2016**
- 339.** M. C. Wang, S. Qiao, Z. Jiang, S. N. Luo, and J. Qi "Unraveling Photoinduced Spin Dynamics in the Topological Insulator Bi<sub>2</sub>Se<sub>3</sub>" Phys. Rev. Lett. 116, 036601, **@2016**
- 340.** Sebastian Volz, Jose Ordonez-Miranda, Andrey Shchepetov, Mika Prunnila, Jouni Ahopelto, Thomas Pezeril, Gwenaelle Vaudel, Vitaly Gusev, Pascal Ruello, Eva M. Weig, Martin Schubert, Mike Hettich, Martin Grossman, Thomas Dekorsy, Francesc Alzina, Bartlomiej Graczykowski, Emigdio Chavez-Angel, J. Sebastian Reparaz, Markus R. Wagner, Clivia M. Sotomayor-Torres, Shiyun Xiong, Sanghamitra Neogi, Davide Donadio "Nanophononics: state of the art and perspectives" The European Physical Journal B, 89: 15, **@2016**
- 341.** Liang Zhang, Yuan Yan, Han-Chun Wu, Dapeng Yu, and Zhi-Min Liao "Gate-Tunable Tunneling Resistance in Graphene/Topological Insulator Vertical Junctions" ACS Nano, 10 (3), pp 3816–3822, **@2016**
- 342.** Banerjee Karan Dhrubojoiti "Transport properties of 3D topological insulators" PhD Thesis, Ref.# 59, **@2016**
- 343.** G. Siroki, D.K.K. Lee, P. D. Haynes & V. Giannini "Single-electron induced surface plasmons on a topological nanoparticle" Nature Communications 7, Article number:

344. Xin Lu, Xin, Luo Jun, Zhang Su, Ying Quek, Qihua Xiong “Lattice vibrations and Raman scattering in two-dimensional layered materials beyond graphene” Nano Res., Volume 9, Issue 12, pp 3559–3597, @2016
345. Kenan Song, David Soriano, Roberto Robles, Pablo Ordejon and Stephan Roche “How disorder affects topological surface states in the limit of ultrathin Bi<sub>2</sub>Se<sub>3</sub> films” 2D Materials, Volume 3, Number 4, 045007, @2016
346. W. Pötz and René Hammer “Chiral fermion dynamics in 2d magnetic vortices: Manifestation of momentum-spin-locking” Journal of Applied Physics, Volume 120, Issue 19, 10.1063/1.4967162, @2016
347. Colin Howard “Translating Between Electron and Phonon Perspectives” PhD Thesis, Ch2, Ref.#9, @2016
148. Stoykova, E., Ivanov, B., Nikova, T.. Correlation-based pointwise processing of dynamic speckle patterns. Optics Letters, 39, 1, OSA, 2014, ISSN:0146-9592, DOI:10.1364/OL.39.000115, 115-118. ISI IF:3.04

Цитира се в:

348. Budini N., N. Balducci, C. Mulone, A. C. Monaldi, “Extraction of dynamic speckle activity information from digital holograms”, Opt. Eng. 55(12), 121716 (2016)., @2016

---

2015

---

149. Kim, Y, Stoykova, E, Kang, H, Hong, S, Park, J, Park, J, Hong, S. Seamless full color holographic printing method based on spatial partitioning of SLM. Optics Express, 23, 2015, ISSN:1094-4087, 172-182. ISI IF:3.49

Цитира се в:

349. Jang, C., Lee, C. K., Jeong, J., Li, G., Lee, S., Yeom, J., ... & Lee, B. (2016). Recent progress in see-through three-dimensional displays using holographic optical elements [Invited]. Applied optics, 55(3), A71-A85, @2016
350. Wakunami, K., Hsieh, P. Y., Oi, R., Senoh, T., Sasaki, H., Ichihashi, Y., ... & Yamamoto, K. (2016). Projection-type see-through holographic three-dimensional display. Nature Communications, 7, 12954, @2016
351. Kozacki, T., & Chlipala, M. (2016). Color holographic display with white light LED source and single phase only SLM. Optics express, 24(3), 2189-2199., @2016
352. Cao, L., Wang, Z., Zong, S., Zhang, S., Zhang, F., & Jin, G. (2016). Volume holographic polymer of photochromic diarylethene for updatable three-dimensional display. Journal of Polymer Science Part B: Polymer Physics, 54(20), 2050-2058, @2016
353. Gilles, A. (2016). Fast hologram synthesis methods for realistic 3D visualization (Doctoral dissertation, Rennes, INSA)., @2016
354. Wang, Z., Cao, L., Zhang, H., Kong, D., Zong, S., & Jin, G. (2016, July). Three-dimensional Display Based on Angular Multiplexing of Computer-generated Holograms. In Digital Holography and Three-Dimensional Imaging (pp. DT4D-1). Optical Society of America., @2016
355. Cheremkhin, P. A., & Kurbatova, E. A. (2016, October). Numerical comparison of scalar

- and vector methods of digital hologram compression. In Proc.SPIE 10022 (pp. 1002227)., **@2016**
- 356.** Tsuchiyama, Y., Matsushima, K., Nakahara, S., & Sakamoto, Y. (2016, July). Full-Color High-Definition CGH Using Color Filter and Filter Design Based on Simulation. In Digital Holography and Three-Dimensional Imaging (pp. DW5I-4). Optical Society of America., **@2016**
- 357.** Zaperty, W., Kozacki, T., Gierwiało, R., & Kujawińska, M. (2016, September). RGB imaging volumes alignment method for color holographic displays. Proc. SPIE 10031, (pp. 1003117)., **@2016**
- 358.** Cao, L., Wang, Z., Zhang, H., Jin, G., & Gu, C. (2016). Volume holographic printing using unconventional angular multiplexing for three-dimensional display. Applied Optics, 55(22), 6046-6051, **@2016**
- 359.** Wakunami, K., Oi, R., Senoh, T., Sasaki, H., Ichihashi, Y., & Yamamoto, K. (2016, June). Wavefront printing technique with overlapping approach toward high definition holographic image reconstruction. Proc. SPIE 9867 (pp. 98670J)., **@2016**
- 360.** Yoshikawa, Hiroshi, and Takeshi Yamaguchi. "Review of Holographic Printers for Computer-Generated Holograms." IEEE Transactions on Industrial Informatics ( Volume: 12, Issue: 4, Aug. 2016 ), **@2016**
- 150.** Kalinov, K N, Ignatova, M G, Manolova, N E, Markova, N D, **Karashanova, D B**, Rashkov, I B. Novel antibacterial electrospun materials based on polyelectrolyte complexes of a quaternized chitosan derivative. RSC Advances, 5, 67, Royal Society of Chemistry publishing, 2015, ISSN:20462069, DOI:10.1039/c5ra08484a, 54517-54526. ISI IF:3.84
- Цитира се въз:
- 361.** Dharani, M, Balasubramanian, S, Synthesis, characterization and application of acryloyl chitosan anchored copolymer towards algae flocculation CARBOHYDRATE POLYMERS 152 (2016) 459-467, **@2016**
- 362.** Effect of chitosan quaternary ammonium salt on the growth and microcystins release of Microcystis aeruginosa Zhu, YW, Pei, HY, Hu, WR, Jin, Y, Xu, HZ, Ren, Y, Xue, D, RSC ADVANCES 6 (84) (2016) 81028-81036. DOI: 10.1039/c6ra11789a, **@2016**
- 363.** Logith Kumar, R, A. KeshavNarayan, S. Dhivya, A. Chawla, S. Saravanan, N. Selvamurugan, A Review of Chitosan and its Derivatives in Bone Tissue Engineering, Carbohydrate Polymers, accepted, **@2016**
- 151.** Georgiev, R, Georgieva, B, Vasileva, M, Ivanov, P, Babeva, T. Optical Properties of Sol-Gel Nb<sub>2</sub>O<sub>5</sub> Films with Tunable Porosity for Sensing Applications. Advances in Condensed Matter Physics, 2015, Article ID 403196, Hindawi Publishing Corporation, 2015, ISSN:1687-8108, DOI:10.1155/4042, ISI IF:0.862
- Цитира се въз:
- 364.** Kun-Neng Chen, Chao-Ming Hsu, Jing Liu, Yu-Chen Liou and Cheng-Fu Yang, Investigation of Antireflection Nb<sub>2</sub>O<sub>5</sub> Thin Films by the Sputtering Method under Different Deposition Parameters, Micromachines 2016, 7(9), 151; doi:10.3390/mi7090151, **@2016**
- 152.** Kovalenko, A, Stoyanova, D, Pospisil, J, Zhivkov, I, Fekete, L, **Karashanova, D**, Kratochvílová, I, Vala, M, Weiter, M. Morphology versus Vertical Phase Segregation in Solvent Annealed Small Molecule Bulk Heterojunction Organic Solar Cells. International Journal of Photoenergy, 2015,

Цитира се в:

- 365.** Thiophene-free diphenyl-amino-stilbene-diketo-pyrrolo-pyrrole derivatives as donors for organic bulk heterojunction solar cells Honova, Jana; Lunak, Stanislav; Vala, Martin; et al. CHEMICAL PAPERS Volume: 70 Issue: 10 Pages: 1416-1424 Published: OCT 2016, @2016

- 153.** **Stoykova, E, Nazarova, D, Berberova, N,** Gotchev, A. Performance of intensity-based non-normalized pointwise algorithms in dynamic speckle analysis. Optics Express, 23, 19, OSA publishing, 2015, ISSN:1094-4087, DOI:doi: 10.1364/OE.23.025128, 25128-25142. ISI IF:3.488

Цитира се в:

- 366.** Budini, N., Balducci, N., Mulone, C., & Monaldi, A. C. (2016). Extraction of dynamic speckle activity information from digital holograms. Optical Engineering, 55(12), 121716-121716., @2016

- 367.** J. Cariñe, R. Guzmán, F.A. Torres-Ruiz, Algorithm for dynamic Speckle pattern processing, Optics and Lasers in Engineering, Volume 82, July 2016, Pages 56–61, @2016

---

## 2016

---

- 154.** Caputo, M, Panighel, M, Lisi, S, Khalil, L, Di Santo, G, Papalazarou, E, Hruban, A, Konczykowski, M, Krusin-Elbaum, L, Aliev, Z, Babanly, M, Otrakov, M, Politano, A, Chulkov, E, **Marinova, V**, Arnau, A, Das, P. K., Fujii, J, Vobornik, I, Perfetti, L, Mugarza, A, Goldoni, A, Marsi, M. Manipulating the Topological Interface by Molecular Adsorbates: Adsorption of Co-Phthalocyanine on Bi<sub>2</sub>Se<sub>3</sub>. Nano Letters, 16, 6, 2016, 3409-3414. ISI IF:13.779

Цитира се в:

- 368.** Paolo Sessi, Thomas Bathon, Konstantin Aleksandrovich Kokh, Oleg Evgenievich Tereshchenko, Matthias Bode “Single Electron Gating of Topological Insulators” Advanced Materials, Vol. 28, Iss. 45, Pages 10073–10078, @2016

- 155.** Blagoev B.S., **D.Z. Dimitrov**, V.B. Mehandzhiev, J. I. Pavlic, D. Kovacheva, P. Terziyska, K. Lovchinov, E. Mateev. Electron transport in lightly Al doped ZnO nanolayers obtained by atomic layer deposition. Journal of Physics: Conference series, 700, Institute of Physics (Great Britain), IOP Publishing, 2016, ISSN:1742-6596, 012040. SJR:0.191

Цитира се в:

- 369.** Hsuan-Chung Wu, Hsing-Hao Chen and Yu-Ren Zhu “Effects of Al-Impurity Type on Formation Energy, Crystal Structure, Electronic Structure, and Optical Properties of ZnO by Using Density Functional Theory and the Hubbard-U Method” Materials, 9(8), 647; doi:10.3390/ma9080647, @2016

- 156.** **Marinova, V., Chi, C. H., Tong, Z. F., Berberova, N., Liu, R. C., Lin, S. H., Lin, Y. H., Stoykova, E., Hsu, K. Y..** Liquid crystal light valve operating at near infrared spectral range. Optical and Quantum Electronics, 48, 4, Springer New York LLC, 2016, ISSN:0306-8919, DOI:10.1007/s11082-016-0546-6, ISI IF:0.987

Цитира се в:

370. Shcherbin, K., Gvozdovskyy, I., & Evans, D. R. (2016). Optimization of the liquid crystal light valve for signal beam amplification. *Optical Materials Express*, 6(11), 3670-3675., @2016
371. Wang, L. (2016). Self-activating liquid crystal devices for smart laser protection. *Liquid Crystals*, 1-17., @2016
157. Virovska, D, Paneva, D, Manolova, N, Rashkov, I, **Karashanova, D**. Photocatalytic self-cleaning poly(L-lactide) materials based on a hybrid between nanosized zinc oxide and expanded graphite or fullerene. *Materials Science and Engineering C*, 60, 2016, ISSN:0928-4931, DOI:10.1016/j.msec.2015.11.029, 184-194. ISI IF:3.088

Цитира се в:

372. Melchor-Alemán, MA, Laura Mesta-Torres, Santos Adriana Martel-Estrada, Applications of nanoparticles in textiles for interior design, *Revista Digital de la Universidad Autónoma de Chiapas*, Vol. V, Núm. 10, , @2016
373. Chen, T, Yu, SW, Fang, XX, Huang, HH, Li, L, Wang, XY, Wang, HH, Enhanced photocatalytic activity of C@ZnO core-shell nanostructures and its photoluminescence property *APPLIED SURFACE SCIENCE* 389 (2016) 303-310 DOI: 10.1016/j.apusc.2016.07.122, @2016
374. Wu, ZJ, Shen, SL, Li, L, Sun, MQ, Yang, JH, Nanocarbons with Different Dimensions as Noble-Metal-Free Co-Catalysts for Photocatalysts *CATALYSTS* 6 (8) Article Number: 111 DOI: 10.3390/catal6080111, @2016
158. Lazarova, K, Georgiev, R, Vasileva, M, Georgieva, B, Spassova, M, Malinowski, N, Babeva, T. One-dimensional PMMA–V2O5 photonic crystals used as color indicators of chloroform vapors. *Optical and Quantum Electronics*, 48:310, Springer, 2016, ISSN:0306-8919, DOI:10.1007/s11082-016-0577-z, ISI IF:0.99

Цитира се в:

375. P. Lova, C. Bastianini, P. Giusto, M. Patrini, P. Rizzo, G. Guerra, M. Iodice, C. Soci, and D. Comoretto, “Label-Free Vapor Selectivity in Poly(p-Phenylene Oxide) Photonic Crystal Sensors”, *ACS Appl. Mater. Interfaces*, 8 (46), 31941–31950, (2016), @2016
159. Nedyalkov,N, Nakajima,Y, Takami,A, Koleva,M, **Karashanova,D**, Terakawa,M. 10. Laser induced morphological and optical properties changes in Au doped aluminum oxide and silicon oxide thin films. *OPTICS AND LASER TECHNOLOGY*, 79, Elsevier, 2016, ISSN:ISSN: 0030-3992, 179-187. ISI IF:1.879

Цитира се в:

376. Bao, LH, Qi, XP, Tana, T, Chao, LM, Tegus, O, Effects of induced optical tunable and ferromagnetic behaviors of Ba doped nanocrystalline LaB<sub>6</sub> *PHYSICAL CHEMISTRY CHEMICAL PHYSICS* 18 (28)(2016) 19165-19172 DOI: 10.1039/c6cp03022j, @2016
160. Kang, H., **Stoykova, E.**, Yoshikawa, H.. Fast phase-added stereogram algorithm for generation of photorealistic 3D content. *Applied Optics*, 55, 3, OSA publishing, 2016, ISSN:1559-128X, A135-A143. ISI IF:1.784

Цитира се в:

377. Gilles, A. (2016). Fast hologram synthesis methods for realistic 3D visualization (Doctoral

dissertation, Rennes, INSA),, @2016

- 378. Zhang, H., Cao, L., Zong, S., & Jin, G. (2016, October). Zoomable three-dimensional computer-generated holographic display based on shifted Fresnel diffraction. In Proc. SPIE 10022 (pp. 100221D),, @2016
- 379. Yamaguchi, M. (2016). Light-field and holographic three-dimensional displays [Invited]. JOSA A, 33(12), 2348-2364, @2016
- 380. Park, Jae-Hyeung. "Recent progress in computer-generated holography for three-dimensional scenes." Journal of Information Display (2016): 1-12., @2016
- 381. Budini, N., Balducci, N., Mulone, C., & Monaldi, A. C. (2016). Extraction of dynamic speckle activity information from digital holograms. Optical Engineering, 55(12), 121716-121716., @2016