

Cietvielu fizikas institūta 2016. gada publikācijas

1. Latvijas Universitāte. Zinātniskā konference (32 ; 2016 ; Rīga) 32. zinātniskā konference veltīta Voldemāra Fricberga - Segnetoelektriķu un pjezoelektriķu fizikas problēmu laboratorijas dibinātāja 90. gadadienai : tēzes, 2016. gada 17.-19. februāris = Abstracts of the 32nd Scientific Conference, February 17-19, 2016, Riga / [atbildīgais redaktors Anatolijs Šarakovskis] ; Latvijas Universitātes Cietvielu fizikas institūts. - Rīga : LU Cietvielu fizikas institūts, 2016. - 142 lpp. - Teksts paralēli latviešu un angļu valodā. - Autoru rād.: 139.-142.lpp.

2. Ab initio calculations of doped TiO₂ anatase (101) nanotubes for photocatalytical water splitting applications / Oleg Lisovski, Andrei Chesnokov, Sergei Piskunov, Dmitry Bocharov, Yuri F. Zhukovskii, Michael Wessel, Eckhard Spohr. - References: p.141 // Materials Science in Semiconductor Processing : 2015 European-Materials-Research-Society Conference (E-MRS 2015); Lille, France, May 11-15, 2015. - ISSN 1369-8001. - Vol. 42, Part 1, SI (2016), p.[138]-141. <http://dx.doi.org/10.1016/j.mssp.2015.09.003>. - URL: <http://www.sciencedirect.com/science/article/pii/S1369800115301815>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }
3. Ab initio modelling of oxygen vacancies and protonic defects in La_{1-x}Sr_xFeO_{3-δ} perovskite solid solutions / D. Gryaznov, R. Merkle, E. A. Kotomin, J. Maier // Journal of Materials Chemistry A. - ISSN 2050-7488. - Vol. 4, N 34 (2016), p.13093-13104. DOI: 10.1039/c6ta04109d. - URL: <http://pubs.rsc.org/en/Content/ArticleLanding/2016/TA/C6TA04109D#!divAbstract>. Anotācija. { Pieejams Publishing Journals, books and databases datubāzē. }
4. Ab initio modelling of Y–O cluster formation in γ-Fe lattice / Aleksejs Gopejenko, Yuri F. Zhukovskii, Eugene A. Kotomin, Yuri A. Mastrikov, Pavel V. Vladimirov, Vladimir A. Borodin, Anton Möslang // Physica Status Solidi (B) Basic Research. - ISSN 0370-1972. - Vol. 253, N 11 (2016), p.2136-2143. DOI: 10.1002/pssb.201600472. - URL: <http://onlinelibrary.wiley.com/doi/10.1002/pssb.201600472/abstract>. Anotācija. { Pilns teksts pieejams Wiley online datubāzē. }
5. Ab initio molecular dynamics simulations of the Sc K-edge EXAFS of scandium trifluoride / Dmitry Bocharov, Matthias Krack, Aleksandr Kalinko, Juris Purans, Francesco Rocca, Shehab E. Ali, Alexei Kuzmin // Journal of Physics: Conference Series. - ISSN 1742-6588. - Vol. 712, N 1 (2016), Article number: 012009. p.1-4. DOI: 10.1088/1742-6596/712/1/012009. - URL: <http://iopscience.iop.org/article/10.1088/1742-6596/712/1/012009/pdf>. Pilns teksts. { Pieejams IOP Science datubāzē. }
6. Ab initio simulations on migration paths of interstitial oxygen in corundum / Yuri F. Zhukovskii, Alexander Platonenko, Sergei Piskunov, Eugene A. Kotomin // Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms. - ISSN 0168-583X. - Vol. 374 (2016), p.29-34. DOI: 10.1016/j.nimb.2015.08.087. - URL: <http://www.sciencedirect.com/science/article/pii/S0168583X1500823X>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }

7. Ag sensitized TiO₂ and NiFe₂O₄ three-component nanoheterostructures: synthesis, electronic structure and strongly enhanced visible light photocatalytic activity / Martins Vanags, Krisjanis Smits, Andris Šutka, Tanel Käämbre, Rainer Pärna, Nicola Döbelin, Vambola Kisand // RSC Advances. - ISSN 2046-2069. - Vol.6, N 23 (2016), p.18834-18842. DOI: 10.1039/c6ra00728g. - URL: <http://pubs.rsc.org/en/Content/ArticleLanding/2016/RA/C6RA00728G#!divAbstract>. Anotācija. { Pilns teksts pieejams Royal Society of Chemistry datubāzē. }
8. Anodic biofilm vitality during operation of microbial fuel cells at various load conditions / Zane Kleinmane, Arturs Gruduls, Vizma Nikolajeva, Janis Kleperis // Journal of Biotechnology. - Amsterdam : Elsevier, 2016. - ISSN 0168-1656. - Vol. 231, S (2016), p.S105-S106. DOI: 10.1016/j.jbiotec.2016.05.368. - URL: <http://www.sciencedirect.com/science/article/pii/S0168165616306319>. Anotācija. { Pieejams ScienceDirect datubāzē. }
9. Anomalies of dielectric properties and conductivity in single domain LiNbO₃:Zn crystals / M. N. Palatnikov, V. A. Sandler, O. V. Makarova, N. V. Sidorov, D. V. Manukovskaya, I. N. Efremov, I. V. Biryukova, K. Bormanis // Integrated Ferroelectrics. - ISSN 1058-4587. - Vol. 173, N 1 (2016), p.119-127. DOI: 10.1080/10584587.2016.1186431. - URL: <http://www.tandfonline.com/doi/full/10.1080/10584587.2016.1186431>. Anotācija. { Pieejams Taylor&Francis online datubāzē. }
10. **Antuzevičs, Andris.** Local structure of gadolinium in oxyfluoride glass matrices containing SrF₂ and BaF₂ crystallites / Andris Antuzevics, Meldra Kemere, Reinis Ignatans // Journal of Non-Crystalline Solids. - ISSN 0022-3093. - Vol. 449 (2016), p.29-33. DOI: 10.1016/j.jnoncrysol.2016.07.015. - URL: <http://www.sciencedirect.com/science/article/pii/S002230931630271X?np=y>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }
11. Atomic layer deposition of aluminum oxide on modified steel substrates / Kaupo Kukli, Emma Salmi, Taivo Jõgiaas, Roberts Zabels, Mikael Schuisky, Jörgen Westlinder, Kenichiro Mizohata, Mikko Ritala, Markku Leskelä // Surface and Coatings Technology. - ISSN 0257-8972. - Vol. 304 (2016), p.1-8. DOI: 10.1016/j.surfcoat.2016.06.064. - URL: <http://www.sciencedirect.com/science/article/pii/S0257897216305564>.
12. Cathodoluminescence characterization of polystyrene-BaZrO₃ hybrid composites / V. P. Savchyn, A. I. Popov, O. I. Aksimentyeva, H. Klym, Yu Yu Horbenko, V. Serga, A. Moskina, I. Karbovnyk // Fizika Nizkikh Temperatur. - ISSN 0132-6414. - Vol. 42, N 7 (2016), p.760-763. - URL: <http://fnte.ilt.kharkov.ua/list.php>. Anotācija. { Pieejams žurnāla datubāzē. }
13. Cathodoluminescence characterization of polystyrene-BaZrO₃ hybrid composites / V. P. Savchyn, A. I. Popov, O. I. Aksimentyeva, H. Klym, Yu Yu Horbenko, V. Serga, A. Moskina, I. Karbovnyk // Low Temperature Physics. - ISSN 1063-777X. - Vol. 42, N 7 (2016), p.597-600. <http://dx.doi.org/10.1063/1.4959020>. - URL: <http://aip.scitation.org/doi/10.1063/1.4959020>. Anotācija. { Pieejams žurnāla datubāzē. }
14. Charged oxygen interstitials in corundum: First principles simulations / Alexander Platonenko, Denis Gryaznov, Sergei Piskunov, Yuri F. Zhukovskii // Physica Status Solidi (C) Current Topics in Solid State Physics. - ISSN 1862-6351. - Vol. 13, N 10-12 (2016), p.932-936. DOI: 10.1002/pssc.201600081. - URL: [http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1610-1642a](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1610-1642a). Anotācija. { Pieejams Wiley online datubāzē. }

15. Chemical strain effects and changed lattice dynamic in (Sr_{1-1.5}Bix)TiO₃ ceramics ($x \leq 0.15$) / Šarūnas Bagdzevičius, Ieva Kranauskaitė, Robertas Grigalaitis, Karlis Bormanis, Andris Sternberg, Jūras Banys // *Ferroelectrics*. - ISSN 0015-0193. - Vol. 497, N 1 (2016), p.24-33. DOI: 10.1080/00150193.2016.1161464. - URL: <http://www.tandfonline.com/doi/full/10.1080/00150193.2016.1161464>. Anotācija. { Pieejams Taylor&Francis online datubāzē. }

16. Color-discrimination threshold determination using pseudoisochromatic test plates / Kaiva Juraševska, Māris Ozolinsh, Sergejs Fomins, Ausma Gūtmane, Brigita Zutere, Anete Pausus, Varis Karitans. - References: p.42-43 // *Color Vision Sensation and Perception* / Ed. Marcelo F.Costa. - Lausanne : Frontiers Media SA, 2016. - ISSN 1664-8714. - ISBN 9782889199600. - P.37-43.

17. Complex tribomechanical characterization of ZnO nanowires: Nanomanipulations supported by FEM simulations / Sergei Vlassov, Boris Polyakov, Sven Oras, Mikk Vahtrus, Mikk Antsov, Andris Šutka, Krisjanis Smits, Leonid M. Dorogin, Rünno Lõhmus // *Nanotechnology*. - ISSN 0957-4484. - Vol. 27, N 33 (2016), 1 p. DOI: 10.1088/0957-4484/27/33/335701. - URL: <http://iopscience.iop.org/article/10.1088/0957-4484/27/33/335701>. Anotācija. { Pieejams IOP Science datubāzē. } ; URL: <http://web.a.ebscohost.com/ehost/detail/detail?vid=28&sid=f0d1a2f4-0ab8-4a8b-affe-3435db46fdb7%40sessionmgr4010&hid=4209&bdata=JnNpdGU9ZW9vZWhvc3QtbGl2ZQ%3d%3d#AN=116748885&db=a9h>. Anotācija. { Pieejams EBSCO datubāzē. }

18. Černauskas, Marius. Synthesis of nanostructured amorphous carbon-copper composite films by plasma-enhanced chemical vapour deposition / Marius Černauskas, Liutauras Marcinauskas, Roberts Zabels. - References: p.201 // *Thin Solid Films*. - ISSN 0040-6090. - Vol. 615 (2016), p.[195]-201. <http://dx.doi.org/10.1016/j.tsf.2016.07.003>. - URL: <http://www.sciencedirect.com/science/article/pii/S0040609016303078>. Pilns teksts. { Pieejams ScienceDirect datubāzē. } ; URL: <http://web.a.ebscohost.com/ehost/detail/detail?vid=12&sid=f0d1a2f4-0ab8-4a8b-affe-3435db46fdb7%40sessionmgr4010&hid=4209&bdata=JnNpdGU9ZW9vZWhvc3QtbGl2ZQ%3d%3d#AN=117645188&db=a9h>. Anotācija. { Pieejams EBSCO datubāzē. }

19. Daņilenko, Olga. Perceptual adaptation studies at simulation of unilateral cataract visual contrast decrease / Olga Danilenko, Maris Ozolinsh, Varvara Zavjalova // 8th European Meeting on Visual and Physiological Optics (VPO 2016) : Book of Abstracts. - Antwerpen : University of Antwerp, 2016. - ISBN 9789057285219 - P.223. - URL: <http://vpoptics.org/wp-content/uploads/2016/08/Proceedings-VPO-2016.pdf>. Pilns teksts.

20. Defect-induced blue luminescence of hexagonal boron nitride / B. Berzina, V. Korsaks, L. Trinkler, A. Sarakovskis, J. Grube, S. Bellucci // *Diamond and Related Materials*. - ISSN 0925-9635. - Vol. 68 (2016), p.131-137. DOI: 10.1016/j.diamond.2016.06.010. - URL: <http://www.sciencedirect.com/science/article/pii/S0925963516302059?np=y>. Pilns teksts. { Pieejams ScienceDirect datubāzē. } ; URL: <http://web.a.ebscohost.com/ehost/detail/detail?vid=8&sid=f0d1a2f4-0ab8-4a8b-affe-3435db46fdb7%40sessionmgr4010&hid=4209&bdata=JnNpdGU9ZW9vZWhvc3QtbGl2ZQ%3d%3d#AN=117708664&db=a9h>. Anotācija. { Pieejams EBSCO datubāzē. }

21. Determination of contact potential difference by the Kelvin probe (Part I) I. Basic principles of measurements / O. Vilitis, M. Rutkis, J. Busenberg, D. Merkulov. - References: p.55-56. - Kopsav. latviešu val.: Kontaktpotenciālu starpības noteikšana ar Kelvina zondi (I daļa) 1. mērīšanas pamatprincipi, 56.-57. lpp. // Latvian Journal of Physics and Technical Sciences. - ISSN 0868-8257. - Vol. 53, N 2 (2016), p.48-57. <https://doi.org/10.1515/lpts-2016-0013>. - URL: <https://www.degruyter.com/downloadpdf/j/lpts.2015.53.issue-2/lpts-2016-0013/lpts-2016-0013.xml>. Pilns teksts. { Pieejams De Gruyter datubāzē. }
22. Dielectric behaviour of BaTi_{1-x}Zr_xO₃ ceramics obtained by means of a solid state and mechanochemical synthesis / P. Dulian, B. Garbarz-Glos, W. Bąk, M. Antonova, C. Kajtoch, K. Wieczorek-Ciurawa, H. Noga // Ferroelectrics. - ISSN 0015-0193. - Vol. 491, N 1 (2016), p.62-68. DOI: 10.1080/00150193.2016.1160737. - URL: <http://www.tandfonline.com/doi/full/10.1080/00150193.2016.1160737>. Anotācija. { Pieejams Taylor&Francis online datubāzē. }
23. Dielectric properties of (K_{0.5}Na_{0.5})(Nb_{0.93}Sb_{0.07})O₃ ferroelectric ceramics modified with BaTiO₃ / A. I. Burkhanov, A. V. Zhirkov, R. A. Laletin, K. Bormanis, I. Smeltere // Bulletin of the Russian Academy of Sciences: Physics. - ISSN 1062-8738. - Vol. 80, N 9 (2016), p.1084-1088. DOI: 10.3103/S1062873816090069. - URL: <http://link.springer.com/article/10.3103%2FS1062873816090069>. Anotācija. { Pieejams Springer datubāzē. }
24. Dielectric, thermal and Raman spectroscopy studies of lead-free (Na_{0.5}Bi_{0.5})_{1-x}Sr_xTiO₃ (x = 0, 0.04 and 0.06) ceramics / J. Suchanicz, V. Bovtun, E. M. Dutkiewicz, K. Konieczny, D. Sitko, K. Kluczevska, A. Wajda, A. Kalvane, A. Sternberg // Phase Transitions. - ISSN 0141-1594. - Vol. 89, N 7-8 (2016), SI, p.856-862. <http://dx.doi.org/10.1080/01411594.2016.1177825>. - URL: <http://www.tandfonline.com/doi/full/10.1080/01411594.2016.1177825>. Anotācija. { Pieejams Taylor&Francis online datubāzē. }
25. 4-(Diethylamino)salicylaldehyde-based twin compounds as NLO-active materials / Dalius Gudeika, Vita Zilinskaite, Juozas V. Grazulevicius, Roman Lytvyn, Martins Rutkis, Andrey Tokmakov // Dyes and Pigments. - ISSN 0143-7208. - Vol. 134 (2016), p.244-250. DOI: 10.1016/j.dyepig.2016.06.047. - URL: <http://www.sciencedirect.com/science/article/pii/S0143720816303011>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }
26. **Dumbrājs, Oļģerts.** Hysteresis and Frequency Tunability of Gyrotrons / O. Dumbrājs, E. M. Khutoryan, T. Idehara // Journal of Infrared, Millimeter, and Terahertz Waves. - ISSN 1866-6892. - Vol. 37, N 6 (2016), p.551-560. DOI: 10.1007/s10762-015-0240-y. - URL: <http://link.springer.com/article/10.1007%2FS10762-015-0240-y>. Anotācija. { Pieejams Springer datubāzē. }
27. **Dumbrājs, Oļģerts.** Self-consistent non-stationary theory of the gyrotron / Olgierd Dumbrājs, Gregory S. Nusinovich // Physics of Plasmas. - ISSN 1070-664X. - Vol. 23, N 8 (2016), Article number 083125. DOI: 10.1063/1.4961962. - URL: <http://scitation.aip.org/content/aip/journal/pop/23/8/10.1063/1.4961962>. Anotācija. { Pieejams AIP Scitation datubāzē. }
28. **Dumbrājs, Oļģerts.** Start-up scenario of a high-power pulsed gyrotron for 300 GHz band collective Thomson scattering diagnostics in the large helical device / O. Dumbrājs, T. Saito, Y. Tatematsu // Physics of Plasmas. - ISSN 1070-664X. - Vol.23, N 2 (2016), Article nr.: 023106. DOI: 10.1063/1.4941703. - URL: <http://scitation.aip.org/content/aip/journal/pop/23/2/10.1063/1.4941703>. Anotācija. { Pieejams AIP Scitation datubāzē. }

29. Effect of cobalt doping on the mechanical properties of ZnO nanowires / Mikk Vahtrus, Andris Šutka, Boris Polyakov, Sven Oras, Mikk Antsov, Nicola Doebelin, Rünno Lõhmus, Ergo Nõmmiste, Sergei Vlassov // *Materials Characterization*. - ISSN 1044-5803. - Vol. 121 (2016), p.40-47. DOI: 10.1016/j.matchar.2016.09.027. - URL: <http://www.sciencedirect.com/science/article/pii/S1044580316303345>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }
30. Effect of point defects on luminescence characteristics of ZnO ceramics / P. A. Rodnyi, K. A. Chernenko, A. Zolotarjovs, L. Grigorjeva, E. I. Gorokhova, I. D. Venetsev // *Physics of the Solid State*. - ISSN 1063-7834. - Vol. 58, N 10 (2016), p.2055-2061. DOI: 10.1134/S1063783416100309. - URL: <http://link.springer.com/article/10.1134%2FS1063783416100309>. Anotācija. { Pieejams Springer datubāzē. }
31. Effect of Pressure and Temperature on the Local Structure and Lattice Dynamics of Copper(II) Oxide / A. Kuzmin, A. Anspoks, A. Kalinko, A. Rumjancevs, J. Timoshenko, L. Nataf, F. Baudelet, T. Irifune // *Physics Procedia*. - ISSN 1875-3884. - Vol. 85 (2016), p.27-35. DOI: 10.1016/j.phpro.2016.11.077. - URL: <http://www.sciencedirect.com/science/article/pii/S1875389216303790>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }
32. The effects of the additive of Eu ions on elastic and electric properties of BaTiO₃ ceramics / D. Sitko, B. Garbarz-Glos, W. Piekarczyk, W. Śmiga, M. Antonova // *Integrated Ferroelectrics*. - ISSN 1058-4587. - Vol. 173, N 1 (2016), p.31-37. DOI: 10.1080/10584587.2016.1183413. - URL: <http://www.tandfonline.com/doi/full/10.1080/10584587.2016.1183413>. Anotācija. { Pieejams Taylor&Francis online datubāzē. }
33. **Eglītis, Roberts.** Ab initio calculations of PbTiO₃/SrTiO₃ (001) heterostructures / R. I. Eglitis, S. Piskunov, Yu F. Zhukovskii // *Physica Status Solidi (C) Current Topics in Solid State Physics*. - ISSN 1862-6351. - Vol.13, N 10-12 (2016), p.913-920. DOI: 10.1002/pssc.201600074. - URL: [http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1610-1642a](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1610-1642a). Anotācija. { Pieejams Wiley online datubāzē. }
34. **Eglītis, Roberts.** First principles calculations of SrZrO₃ bulk and ZrO₂-terminated (001) surface F centers / R. I. Eglitis, S. Piskunov // *Computational Condensed Matter*. - ISSN 2352-2143. - Vol. (2016), p.1-6. DOI: 10.1016/j.cocom.2016.04.002. - URL: <http://www.sciencedirect.com/science/article/pii/S235221431630017X>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }
35. Electronic structure of cubic ScF₃ from first-principles calculations / D. Bocharov, P. Žguns, S. Piskunov, A. Kuzmin, J. Purans // *Fizika Nizkikh Temperatur*. - ISSN 0132-6414. - Vol. 42, N 7 (2016), p.710-715. - URL: <http://fnte.ilt.kharkov.ua/list.php>. Anotācija. { Pieejams žurnāla datubāzē. }
36. Electronic structure of cubic ScF₃ from first-principles calculations / D. Bocharov, P. Žguns, S. Piskunov, A. Kuzmin, J. Purans // *Low Temperature Physics*. - ISSN 1063-777X. - Vol. 42, N 7 (2016), p.556-560. <http://dx.doi.org/10.1063/1.4959013>. - URL: <http://aip.scitation.org/doi/10.1063/1.4959013>. Anotācija. { Pieejams žurnāla datubāzē. }

37. Europium(III)-doped $\text{A}_2\text{Hf}_2\text{O}_7$ ($\text{A} = \text{Y, Gd, Lu}$) nanoparticles: Influence of annealing temperature, europium(III) concentration and host cation on the luminescent properties / Jelena Papan, Dragana J. Jovanović, Katarina Vuković, Krisjanis Smits, Vesna Dordević, Miroslav Dramićanin // Optical Materials. - ISSN 0925-3467. - Vol. 61 (2016), p.68-76. DOI: 10.1016/j.optmat.2016.04.007. - URL: <http://www.sciencedirect.com/science/article/pii/S0925346716301859>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }
38. Excitation and photoluminescence spectra of solid solutions based on lanthanum indate LaInO_3 of a perovskite structure doped with Nd^{3+} and Cr^{3+} ions / E. K. Yukhno, L. A. Bashkurov, P. P. Pershukovich, S. V. Slonskaya, N. A. Mironova-Ulmane, A. G. Sharakovskis // Glass Physics and Chemistry. - ISSN 1087-6596. - Vol. 42, N 4 (2016), p.379-385. DOI: 10.1134/S1087659616040155. - URL: <http://link.springer.com/article/10.1134%2FS1087659616040155>. Anotācija. { Pieejams Springer datubāzē. }
39. First Principles Modeling of Pd-doped $(\text{La,Sr})(\text{Co,Fe})\text{O}_3$ Complex Perovskites / Yu. A. Mastrikov, S. Guo, F. Puleo, L. F. Liotta, E. A. Kotomin // Fuel Cells. - ISSN 1615-6846. - Vol. 16, N 2 (2016), p.267-271. DOI: 10.1002/fuce.201500203. - URL: <http://onlinelibrary.wiley.com/doi/10.1002/fuce.201500203/abstract>. Anotācija. { Pieejams Wiley online datubāzē. }
40. **Fomins, Sergejs.** Background luminance effect on afterimage lightness and saturation / Sergejs Fomins // Seeing Colors: An international Symposium on Color Vision, September 19-21, 2016 : Programma and Abstracts. - Regensburg : University of Regensburg, 2016. - P.29.
41. **Fomins, Sergejs.** Colorimetric and circadian light characteristics of Latvian sky / Sergejs Fomins, Māris Ozoliņš // 1st International Symposium on Visual Physiology, Environment, and Perception (VISPER), Riga, Latvia, October 6-8, 2016 : Book of Abstracts. - Rīga, 2016. - P.28. - URL: <http://www.vispep.lu.lv/conference-programme/>. Pilns teksts.
42. Germanium modified BaTiO_3 as a promising electroceramics / Barbara Garbarz-Glos, Wojciech Bąk, Henryk Noga, Maija Antonova, Anna Kalvane, Włodzimierz Śmiga // Integrated Ferroelectrics. - ISSN 1058-4587. - Vol. 173, N 1 (2016), p.12-18. DOI: 10.1080/10584587.2016.1182806. - URL: <http://www.tandfonline.com/doi/full/10.1080/10584587.2016.1182806>. Anotācija. { Pieejams Taylor&Francis online datubāzē. }
43. **Gertners, Uģis.** Light induced morphological processing of chalcogenide films / U. Gertners, M. Reinfelde, J. Teteris // Journal of Optoelectronics and Advanced Materials. - ISSN 1454-4164. - Vol.18, N 1/2 (2016), p.24-28. - URL: <http://joam.inoe.ro/index.php?option=magazine&op=view&idu=3908&catid=94>. Pilns teksts. { Pieejams žurnāla datubāzē. }
44. **Grūbe, Jurgis.** Temperature influence on $\text{NaLaF}_4:\text{Er}^{3+}$ green luminescence / Jurgis Grube // Journal of Luminescence. - ISSN 0022-2313. - Vol. 179 (2016), p.107-113. DOI: 10.1016/j.jlumin.2016.06.046. - URL: <http://www.sciencedirect.com/science/article/pii/S0022231316301363>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }

45. **Gržibovskis, Raitis.** Relation between molecule ionization energy, film thickness and morphology of two indandione derivatives thin films / Raitis Grzibovskis, Aivars Vembris, Kaspars Pudzs // Journal of Physics and Chemistry of Solids. - ISSN 0022-3697. - Vol. 95 (2016), p.12-18. DOI: 10.1016/j.jpcs.2016.03.010. - URL: <http://www.sciencedirect.com/science/article/pii/S0022369716300579>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }
46. **Gržibovskis, Raitis.** Study of the P3HT/PCBM interface using photoemission yield spectroscopy / Raitis Grzibovskis, Aivars Vembris // Proceedings of SPIE - The International Society for Optical Engineering. - ISSN 0277-786X. - ISBN 9781510601406. - Vol. 9895 (2016). <http://dx.doi.org/10.1117/12.2227823>. - URL: <http://proceedings.spiedigitallibrary.org/proceeding.aspx?articleid=2519466>. Anotācija. { Pieejams SPIE Digital Library datubāzē. }
47. **Hodakovska, Jūlija.** Sulfonated poly(ether-ether-ketone) and Nafion composite membrane with aluminium oxide additive for fuel cell applications / J. Hodakovska, J. Kleperis // Polymer Science - Series A. - ISSN 0965-545X. - Vol. 58, N 2 (2016), p.167-171. DOI: 10.1134/S0965545X16020103. - URL: <http://rd.springer.com/article/10.1134%2FS0965545X16020103>. Anotācija. { Pieejams Springer datubāzē. }
48. Impact of the former salaspils nuclear reactor on the surrounding territory / D. Riekstina, J. Berzins, T. Krasta, G. Kizane, J. Rudzitis // Latvian Journal of Physics and Technical Sciences. - ISSN 0868-8257. - Vol. 53, N 3 (2016), p.67-76. DOI: 10.1515/lpts-2016-0022. - URL: <http://www.degruyter.com/view/j/lpts.2016.53.issue-3/lpts-2016-0022/lpts-2016-0022.xml>. Anotācija. { Pieejams De Gruyter datubāzē. }
49. Impact of the molecular structure of an indandione fragment containing azobenzene derivatives on the morphology and electrical properties of thin films / Kaspars Pudzs, Aivars Vembris, Raitis Grzibovskis, Janis Latvels, Elmars Zarins. - References: p.124-125 // Materials Chemistry and Physics. - ISSN 0254-0584. - Vol. 173 (2016), p.[117]-125. <http://dx.doi.org/10.1016/j.matchemphys.2016.01.046>. - URL: <http://www.sciencedirect.com/science/article/pii/S0254058416300463>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }
50. Influence of complex impurity centres on radiation damage in wide-gap metal oxides / A. Lushchik, C. Lushchik, A. I. Popov, K. Schwartz, E. Shablonin, E. Vasilchenko // Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms. - ISSN 0168-583X. - Vol. 374 (2016), p.90-96. DOI: 10.1016/j.nimb.2015.07.004. - URL: <http://www.sciencedirect.com/science/article/pii/S0168583X15005820>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }
51. Influence of Sr addition on structural, dielectric and Raman properties of Na_{0.5}Bi_{0.5}TiO₃ ceramics / J. Suchanicz, M. E. Dutkiewicz, P. Jelen, B. Handke, M. Skolowski, M. Antonova, A. Sternberg // Integrated Ferroelectrics. - ISSN 1058-4587. - Vol. 173, N 1 (2016), p.59-64. DOI: 10.1080/10584587.2016.1184498. - URL: <http://www.tandfonline.com/doi/full/10.1080/10584587.2016.1184498>. Anotācija. { Pieejams Taylor&Francis online datubāzē. }

52. Influence of the electron velocity spread and the beam width on the efficiency and mode competition in the high-power pulsed gyrotron for 300 GHz band collective Thomson scattering diagnostics in the large helical device / Oļģerts Dumbrajs, Teruo Saito, Yoshinori Tatematsu, Yuusuke Yamaguchi // Physics of Plasmas. - ISSN 1070-664X. - Vol. 23, N 9 (2016), Article number 093109. DOI: 10.1063/1.4962575. - URL: <http://scitation.aip.org/content/aip/journal/pop/23/9/10.1063/1.4962575>. Anotācija. { Pieejams AIP Scitation datubāzē. }

53. Interpretation of the U L3-edge EXAFS in uranium dioxide using molecular dynamics and density functional theory simulations / Dmitry Bocharov, Melanie Chollet, Matthias Krack, Johannes Bertsch, Daniel Grolimund, Matthias Martin, Alexei Kuzmin, Juris Purans, Eugene Kotomin // Journal of Physics / - (JOP Conference Series). - ISSN 1742-6588. - Vol. 712, N 1 (2016), Article number 012091. DOI: 10.1088/1742-6596/712/1/012091. - URL: <http://iopscience.iop.org/article/10.1088/1742-6596/712/1/012091/meta;jsessionid=1D3350499BDBB5DFBCE6DF8D59088147.c2.iopscience.cld.iop.org>. Pilns teksts. { Pieejams IOP Science datubāzē. }

54. Interpretation of unexpected behavior of infrared absorption spectra of ScF₃ beyond the quasiharmonic approximation / Sergei Piskunov, Pjotrs A. Žguns, Dmitry Bocharov, Alexei Kuzmin, Juris Purans, Aleksandr Kalinko, Robert A. Evarestov, Shehab E. Ali, Francesco Rocca // Physical Review B - Condensed Matter and Materials Physics. - ISSN 1098-0121. - Vol. 93, N 21 (2016), Article number 214101. DOI: 10.1103/PhysRevB.93.214101. - URL: <http://journals.aps.org/prb/abstract/10.1103/PhysRevB.93.214101>. Anotācija. { Pilns teksts pieejams žurnāla datubāzē. }

55. Investigation of mechanical and electrical properties of Li doped sodium niobate ceramic system / Włodzimierz Śmiga, Barbara Garbarz-Głos, Wojciech Piekarczyk, Henryk Noga, Dorota Sitko, Monika Karpierz, Maris Livinsh // Integrated Ferroelectrics. - ISSN 1058-4587. - Vol. 173, N 1 (2016), p.46-52. DOI: 10.1080/10584587.2016.1184000. - URL: <http://www.tandfonline.com/doi/full/10.1080/10584587.2016.1184000>. Anotācija. { Pieejams Taylor&Francis online datubāzē. }

56. **Jēkabsons, Normunds.** Numerical and experimental investigation of H-darrieus vertical axis wind turbine / Normunds Jēkabsons, Sabine Upnere, Janis Kleperis. - References: p.1243 // Engineering for Rural Development : 15th International Scientific Conference on Engineering for Rural Development, May 25-27, 2016, Jelgava, Latvia - (Engineering for Rural Development). - ISSN 1691-3043. - Vol. 15 (2016), p.1238-1243. - URL: <http://tf.llu.lv/conference/proceedings2016/Papers/N244.pdf>. Pilns teksts. { Pieejams Engineering for Rural Development datubāzē. }

57. **Jonāne, Inga.** Atomistic simulations of the Fe K-edge EXAFS in FeF₃ using molecular dynamics and reverse Monte Carlo methods / Inga Jonane, Janis Timoshenko, Alexei Kuzmin // Physica Scripta. - ISSN 0031-8949. - Vol. 91, N 10 (2016), Article number 104001. <http://dx.doi.org/10.1088/0031-8949/91/10/104001>. - URL: <http://iopscience.iop.org/article/10.1088/0031-8949/91/10/104001/meta;jsessionid=DFF842D60AE35E9FD0DB88076557D4E4.c1.iopscience.cld.iop.org>. Anotācija. { Pieejams IOP Science datubāzē. }

58. **Klotiņš, Ēriks.** A novel quantum field approach to photoexcited insulators / E. Klotins // Fizika Nizkikh Temperatur. - ISSN 0132-6414. - Vol. 42, N 7 (2016), p.726-732. - URL: <http://fnte.ilt.kharkov.ua/list.php>. Anotācija. { Pieejams žurnāla datubāzē. }

59. **Klotiņš, Ēriks.** A novel quantum field approach to photoexcited insulators / E. Klotins // Low Temperature Physics. - ISSN 1063-777X. - Vol. 42, N 7 (2016), p.570-575. <http://dx.doi.org/10.1063/1.4959015>. - URL: <http://aip.scitation.org/doi/10.1063/1.4959015>. Anotācija. { Pieejams žurnāla datubāzē. }

60. **Krieķe, Guna.** Crystallization and upconversion luminescence of distorted fluorite nanocrystals in Ba²⁺ containing oxyfluoride glass ceramics / Guna Krieke, Anatolijs Sarakovskis // Journal of the European Ceramic Society. - ISSN 0955-2219. - Vol.36, N 7 (2016), p.1715-1722. DOI: 10.1016/j.jeurceramsoc.2016.01.025. - URL: <http://www.sciencedirect.com/science/article/pii/S0955221916300255>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }

61. **Kundrāts, Kalvis.** Device for retinal illumination and circadian light monitoring / Kalvis Kundrats, Sergejs Fomins, Maris Ozolinsh // Developments in Optics and Communications 2016 : 12th International Young Scientist conference, Riga, Latvia, March 21-23, 2016 : Book of Abstracts. - Riga, 2016. - ISBN 9789934556029. - P.50. - URL: <http://www.docriga.lv/assets/56e9335f094ac/DOC-2016-book-of-abstracts-v4.pdf>. Pilns teksts.

62. Levels of ¹⁸⁸Re nucleus populated in thermal neutron capture reaction / J. Bērziņš, T. Krasta, L. Simonova, M. Balodis, V. Bondarenko, M. Jentschel, W. Urban, I. Tomandl. - References: p.125-126 // Nuclear Physics A. - ISSN 0375-9474. - Vol. 947 (2016), p.[76]-126. <http://dx.doi.org/10.1016/j.nuclphysa.2015.12.007>. - URL: <http://www.sciencedirect.com/science/article/pii/S0375947415002973>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }

63. Local dynamics and phase transition in quantum paraelectric SrTiO₃ studied by Ti K-edge x-ray absorption spectroscopy / Andris Anspoks, Janis Timoshenko, Juris Purans, Francesco Rocca, Vladimir Trepakov, Alexander Dejneka, Mitsuru Itoh // Journal of Physics / - (JOP Conference Series). - ISSN 1742-6588. - Vol. 712, N1 (2016), Article number 012101. DOI: 10.1088/1742-6596/712/1/012101. - URL: <http://iopscience.iop.org/article/10.1088/1742-6596/712/1/012101/meta>. Pilns teksts. { Pieejams IOP Science datubāzē. }

64. Local structure of copper nitride revealed by EXAFS spectroscopy and a reverse Monte Carlo/evolutionary algorithm approach / Janis Timoshenko, Andris Anspoks, Aleksandr Kalinko, Alexei Kuzmin // Physica Scripta. - ISSN 0031-8949. - Vol. 91, N 5 (2016), Article number 054003. DOI: 10.1088/0031-8949/91/5/054003. - URL: <http://iopscience.iop.org/article/10.1088/0031-8949/91/5/054003>. Anotācija. { Pieejams IOP Science datubāzē. }

65. Local structure of perovskites ReO₃ and ScF₃ with negative thermal expansion: Interpretation beyond the quasiharmonic approximation / Juris Purans, Sergei Piskunov, Dmitry Bocharov, Aleksandr Kalinko, Alexei Kuzmin, Shehab E. Ali, Francesco Rocca // Journal of Physics: Conference Series. - ISSN 1742-6588. - Vol. 712, N 1 (2016), Article number 012013. p.1-4. DOI: 10.1088/1742-6596/712/1/012013. - URL: <http://iopscience.iop.org/article/10.1088/1742-6596/712/1/012013/pdf>. Pilns teksts. { Pieejams IOP Science datubāzē. }

66. Long-term evolution of luminescent properties in CdI₂ crystals / I. Karbovnyk, I. Bolesta, I. Rovetskyi, V. Lesivtsiv, Ya Shmygelsky, S. Velgosh, A. I. Popov // Fizika Nizkikh Temperatur. - ISSN 0132-6414. - Vol. 42, N 7 (2016), p.756-759. - URL: <http://fnte.ilt.kharkov.ua/list.php>. Anotācija. { Pieejams žurnāla datubāzē. }
67. Long-term evolution of luminescent properties in CdI₂ crystals / I. Karbovnyk, I. Bolesta, I. Rovetskyi, V. Lesivtsiv, Ya Shmygelsky, S. Velgosh, A. I. Popov // Low Temperature Physics. - ISSN 1063-777X. - Vol. 42, N 7 (2016), p.594-596. <http://dx.doi.org/10.1063/1.4959019>. - URL: <http://aip.scitation.org/doi/10.1063/1.4959019>. Anotācija. { Pieejams žurnāla datubāzē. }
68. Luminescence and EPR spectroscopy of neutron-irradiated single crystals of magnesium aluminium spinel / N. Mironova-Ulmane, V. Skvortsova, A. Pavlenko, E. Feldbach, A. Lushchik, Ch. Lushchik, V. Churmanov, D. Ivanov, V. Ivanov, E. Aleksanyan. - References: p.125-126 // Radiation Measurements : 9th International Conference on Luminescent Detectors and Transformers of Ionizing Radiation (LUMDETR 2015); Tartu, Estonia, sep. 20-25, 2015 : Proceedings. - ISSN 1350-4487. - Vol. 90, SI (2016), p.[122]-126. <http://dx.doi.org/10.1016/j.radmeas.2015.12.020>. - URL: <http://www.sciencedirect.com/science/article/pii/S1350448715300998>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }
69. Luminescence and optical spectroscopy of charge transfer processes in solid solutions NiCMg_{1-x}CO and Ni_xZn_{1-x}O / V.I. Sokolov, V.A. Pustovarov, V.N. Churmanov, N.B. Gruzdev, M.A. Uimin, I.V. Byzov, A.V. Druzhinin, N.A. Mironova-Ulmane. - Ietver bibliogrāfiju. // Journal of Luminescence. - ISSN 0022-2313. - Vol.169 (January 2016), p.641-644 : il. DOI: 10.1016/j.jlumin.2015.03.039. - URL: <http://www.sciencedirect.com/science/article/pii/S0022231315001829>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }
70. Luminescence of polymorphous SiO₂ / A. N. Trukhin, K. Smits, J. Jansons, A. Kuzmin. - References: p.12-13 // Radiation Measurements : 9th International Conference on Luminescent Detectors and Transformers of Ionizing Radiation (LUMDETR 2015); Tartu, Estonia, sep. 20-25, 2015 : Proceedings. - ISSN 1350-4487. - Vol. 90, SI (2016), p.[6]-13. <http://dx.doi.org/10.1016/j.radmeas.2015.12.002>. - URL: <http://www.sciencedirect.com/science/article/pii/S1350448715300822>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }
71. Luminescent PEO coatings on aluminum / Aleksejs Zolotarjovs, Krisjanis Smits, Anete Krumina, Donats Millers, Larisa Grigorjeva // ECS Journal of Solid State Science and Technology. - ISSN 2162-8769. - Vol. 5, N 9 (2016), p.R150-R153. DOI: 10.1149/2.0401609jss. - URL: <http://jss.ecsdl.org/content/5/9/R150>. Anotācija. { Pieejams ECS datubāzē. }
72. Magnetostructural phase transitions in NiO and MnO: Neutron diffraction data / A. M. Balagurov, I. A. Bobrikov, S. V. Sumnikov, V. Yu Yushankhai, N. Mironova-Ulmane // JETP Letters. - ISSN 0021-3640. - Vol. 104, N 2 (2016), p.88-93. DOI: 10.1134/S0021364016140071. - URL: <http://link.springer.com/article/10.1134%2FS0021364016140071>. Anotācija. { Pieejams Springer datubāzē. }
73. Metal hydride alloys for storing hydrogen produced by anaerobic bacterial fermentation / Ilze Dimanta, Janis Kleperis, Ilva Nakurte, Sintija Valucka, Vizma Nikolajeva, Zane Rutkovska, Indrikis Muiznieks // International Journal of Hydrogen Energy. - ISSN 0360-3199. - Vol. 41, N 22 (2016), p.9394-9401. DOI: 10.1016/j.ijhydene.2016.04.064. - URL: <http://www.sciencedirect.com/science/article/pii/S036031991531658X>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }

74. MeV-energy Xe ion-induced damage in LiF: The contribution of electronic and nuclear stopping mechanisms / Roberts Zabels, Ilze Manika, Kurt Schwartz, Muratbek Baizhumanov, Rolands Grants, Edmunds Tamanis, Alma Dauletbekova, Maxim Zdorovets // *Physica Status Solidi (B) Basic Research*. - ISSN 0370-1972. - Vol. 253, N 8 (2016), p.1511-1516. DOI: 10.1002/pssb.201552704. - URL: <http://onlinelibrary.wiley.com/doi/10.1002/pssb.201552704/abstract>. Anotācija. { Pieejams Wiley online datubāzē. }

75. **Mironova-Ulmane, Nīna**. Optical absorption and luminescence studies of fast neutron-irradiated complex oxides for jewellery applications / N. Mironova-Ulmane, V. Skvortsova, A. I. Popov // *Fizika Nizkikh Temperatur*. - ISSN 0132-6414. - Vol. 42, N 7 (2016), p.743-747. - URL: <http://fnte.ilt.kharkov.ua/list.php>. Anotācija. { Pieejams žurnāla datubāzē. }

76. **Mironova-Ulmane, Nīna**. Optical absorption and luminescence studies of fast neutron-irradiated complex oxides for jewellery applications / N. Mironova-Ulmane, V. Skvortsova, A. I. Popov // *Low Temperature Physics*. - ISSN 1063-777X. - Vol. 42, N 7 (2016), p.584-587. <http://dx.doi.org/10.1063/1.4959017>. - URL: <http://aip.scitation.org/doi/10.1063/1.4959017>. Anotācija. { Pieejams žurnāla datubāzē. }

77. Molecular dynamics and reverse Monte Carlo modeling of scheelite-type AWO₄ (A = Ca, Sr, Ba) W L₃-edge EXAFS spectra / Aleksandr Kalinko, Matthias Bauer, Janis Timoshenko, Alexei Kuzmin // *Physica Scripta*. - ISSN 0031-8949. - Vol. 91, N 11 (2016), Article number 114001. DOI: 10.1088/0031-8949/91/11/114001. - URL: <http://iopscience.iop.org/article/10.1088/0031-8949/91/11/114001/meta>. Anotācija. { Pieejams IOP Science datubāzē. }

78. **Muižniece, Kristīne**. Simultaneous presence of stereodisparity and chromostereopsis observing “Virtual Reality” images / Kristīne Muižniece, Maris Ozolinsh / Kristine Muizniece, Maris Ozolinsh // 18th International Conference-School Advanced Materials and Technologies, 27-31 August, 2016 : Abstracts. - Kaunas : KTU, 2016. - ISSN 1234-5678. - N.18, p.126.

79. Multicolor upconversion luminescence of GdVO₄:Ln³⁺/Yb³⁺ (Ln³⁺ = Ho³⁺, Er³⁺, Tm³⁺, Ho³⁺/Er³⁺/Tm³⁺) nanorods / Tamara V. Gavrilović, Dragana J. Jovanović, Krisjanis Smits, Miroslav D. Dramićanin. - Ietver bibliogrāfiju. // *Dyes and Pigments*. - ISSN 0143-7208. - Vol.126 (2016), p.1-7 : il. DOI: 10.1016/j.dyepig.2015.11.005. - URL: <http://www.sciencedirect.com/science/article/pii/S0143720815004350>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }

80. Neutron diffraction study of microstructural and magnetic effects in fine particle NiO powders / A. M. Balagurov, I. A. Bobrikov, S. V. Sumnikov, V. Yu Yushankhai, J. Grabis, A. Kuzmin, N. Mironova-Ulmane, I. Sildos // *Physica Status Solidi (B): Basic Research*. - ISSN 0370-1972. - Vol. 253, N 8 (2016), p.1529-1536. DOI: 10.1002/pssb.201552680. - URL: <http://onlinelibrary.wiley.com/doi/10.1002/pssb.201552680/abstract>. Anotācija. { Pieejams Wiley online datubāzē. }

81. **Nusinovich, Gregory S**. Field Formation in the Interaction Space of Gyrotrons / Gregory S. Nusinovich, Olgerd Dumbrajs // *Journal of Infrared, Millimeter, and Terahertz Waves*. - ISSN 1866-6892. - Vol. 37, N 1 (2016), p.111-122. DOI 10.1007/s10762-015-0192-2. - URL: <http://link.springer.com/article/10.1007%2Fs10762-015-0192-2#page-2>. Pilns teksts. { Pieejams Springer datubāzē. }

82. Optical and Vibrational Spectra of CsCl-Enriched GeS₂-Ga₂S₃ Glasses / Halyna Klym, Ivan Karbovnyk, Mariangela Cestelli Guidi, Oleksandra Hotra, Anatoli I. Popov // *Nanoscale Research Letters*. - ISSN 1931-7573. - Vol. 11, N 1 (2016), Article Number: 132, p.1-6. DOI: 10.1186/s11671-016-1350-8. - URL: <http://nanoscalereslett.springeropen.com/articles/10.1186/s11671-016-1350-8>. Pilns teksts. { Pieejams Springer datubāzē. }

83. Orientation of the electric field gradient and ellipticity of the magnetic cycloid in multiferroic BiFeO₃ / A. Pierzga, A. Błachowski, K. Komadera, K. Ruebenbauer, R., A. Kalvane, R. Bujakiewicz-Koronska // *Philosophical Magazine*. - ISSN 1478-6435. - Vol. 97, N 3 (2016), p.168-174. DOI: 10.1080/14786435.2016.1248518. - URL: <http://www.tandfonline.com/doi/abs/10.1080/14786435.2016.1248518?journalCode=tphm20>. Anotācija. { Pieejams Taylor&Francis online datubāzē. }

84. Orthorhombic boron oxide under pressure: In situ study by X-ray diffraction and Raman scattering / Kirill A. Cherednichenko, Aleksandr Kalinko, Yann Le Godec, Mohamed Mezouar, Vladimir L. Solozhenko // *Journal of Applied Physics*. - ISSN 0021-8979. - Vol. 120, N 17 (2016), Article number 175901. DOI: 10.1063/1.4966658. - URL: <http://scitation.aip.org/content/aip/journal/jap/120/17/10.1063/1.4966658>. Anotācija. { Pieejams AIP Scitation datubāzē. }

85. Oxygen influence on luminescence properties of rare-earth doped NaLaF₄ / A. Tuomela, V. Pankratov, A. Sarakovskis, G. Doke, L. Grinberga, S. Vielhauer, M. Huttula. - References: p.20 // *Journal of Luminescence*. - ISSN 0022-2313. - Vol. 179 (2016), p.[16]-20. <http://dx.doi.org/10.1016/j.jlumin.2016.06.021>. - URL: <http://www.sciencedirect.com/science/article/pii/S0022231315307420>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }

86. **Ozoliņš, Māris.** Chromostereopsis in virtual reality adapters / Māris Ozoliņš, Kristine Muizniece, Janis Berzinsh // *Proceedings of SPIE*. - ISSN 0277-786X. - Vol.10021: Optical Design and Testing VII (2016), 1002109-1-7. DOI:10.1117/12.2247719. - URL: <http://proceedings.spiedigitallibrary.org/proceeding.aspx?articleid=2579132>. Anotācija. { Pieejams SPIE Digital Library datubāzē. }

87. **Ozoliņš, Māris.** Chromostereopsis in virtual reality adapters / Maris Ozolinsh, Kristine Muizniece, Janis Berzinsh // *SPIE Photonics Asia, Beijing, China, October 12-14, 2016 : Technical Program. Exhibition Guide*. - Beijing : SPIE - China, 2016. - ISBN 1234-5678. - Vol. 10021 (2016), p.22-24. - URL: <http://spie.org/PA/conferencedetails/optical-design-and-testing>.

88. **Ozoliņš, Māris.** Color difference threshold of chromostereopsis induced by flat display / Māris Ozolinsh, Kristīne Muizniece // *Color Vision Sensation and Perception* / Ed. Marcelo F.Costa. - Lausanne : Frontiers Media SA, 2016. - ISSN 1664-8714. - ISBN 9782889199600. - P.72-79. - URL: <http://journal.frontiersin.org/researchtopic/2496/pdf>. Pilns teksts.

89. **Ozoliņš, Māris.** Retinal image quality and visual stimuli processing by simulation of partial eye cataract / Maris Ozolinsh, Olga Danilenko, Varvara Zavjalova // *Proceedings of SPIE*. - ISSN 0277-786X - Vol.10024 (2016), p. 100244W -1-7. DOI:10.1117/12.2247721. - URL: <http://proceedings.spiedigitallibrary.org/proceeding.aspx?articleid=2579973>. Anotācija. { Pieejams SPIE Digital Library datubāzē. }

90. Phase transitions in $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ -($\text{Sr}_{0.7}\text{Bi}_{0.2}$) TiO_3 - PbTiO_3 solid solutions / M. Dunce, E. Birks, J. Perăntie, J. Hagberg, M. Antonova, R. Ignatans, A. Sternberg // *Ferroelectrics : Proceedings of the 13th European Meeting on Ferroelectricity (EMF-13)*. - ISSN 0015-0193. - Vol. 498, N 1, Part II, SI (2016), p.94-101. <http://dx.doi.org/10.1080/00150193.2016.1168213>. - URL: <http://www.tandfonline.com/doi/full/10.1080/00150193.2016.1168213>. Anotācija. { Pieejams Taylor&Francis online datubāzē. }
91. Photo-electrical and transport properties of hydrothermal ZnO / P. Onufrijevs, P. Ščajej, K. Jarašiūnas, A. Medvid, V. Korsaks, N. Mironova-Ulmane, M. Zubkins, H. Mimura // *Journal of Applied Physics*. - ISSN 0021-8979. - Vol. 119, N 13 (2016), Article nr. 135705. DOI: 10.1063/1.4945016. - URL: <http://scitation.aip.org/content/aip/journal/jap/119/13/10.1063/1.4945016>. Anotācija. { Pieejams AIP žurnāla datubāzē. }
92. Photoinduced surface relief grating formation in amorphous $\text{As}_{40}\text{S}_{60}$ -xSex thin films / M. Reinfelde, L. Loghina, G. Ivanova, J. Teteris, U. Gertners, Z. S. Slang, M. Vlcek // *Journal of Optoelectronics and Advanced Materials*. - ISSN 1454-4164. - Vol.18, N 1/2 (2016), p.1-4. - URL: <http://joam.inoe.ro/index.php?option=magazine&op=view&idu=3905&catid=94>. Pilns teksts. { Pieejams žurnāla datubāzē. }
93. Photostimulated luminescence properties of neutron image plates / A. I. Popov, J. Zimmermann, G. J. McIntyre, C. Wilkinson. - References: p.86 // *Optical Materials*. - ISSN 0925-3467. - Vol. 59 (2016), p.[83]-86. <http://dx.doi.org/10.1016/j.optmat.2016.01.038>. - URL: <http://www.sciencedirect.com/science/article/pii/S0925346716300398>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }
94. **Piskunovs, Sergejs**. Comparative ab initio calculations of $\text{SrTiO}_3/\text{BaTiO}_3$ and $\text{SrZrO}_3/\text{PbZrO}_3$ (001) heterostructures / Sergei Piskunov, Roberts I. Eglitis. - References: p.22-23 // *Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms - (Basic Research on Ionic-Covalent Materials)*. - ISSN 0168-583X. - Vol. 374 (2016), p.[20]-23. <http://dx.doi.org/10.1016/j.nimb.2015.07.003>. - URL: <http://www.sciencedirect.com/science/article/pii/S0168583X15005819>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }
95. **Popovs, Anatolijs**. Low-temperature radiation effects in wide gap materials / Anatoli I. Popov, Aleksandr Lushchik, Eugene Kotomin // *Fizika Nizkikh Temperatur*. - ISSN 0132-6414. - Vol. 42, N 7 (2016), p.687-688. - URL: <http://fnte.ilt.kharkov.ua/list.php>. Anotācija. { Pieejams žurnāla datubāzē. }
96. **Popovs, Anatolijs**. Low-temperature radiation effects in wide gap materials / Anatoli I. Popov, Aleksandr Lushchik, Eugene Kotomin // *Low Temperature Physics*. - ISSN 1063-777X. - Vol. 42, N 7 (2016), p.537-538. <http://dx.doi.org/10.1063/1.4959008>. - URL: <http://aip.scitation.org/doi/abs/10.1063/1.4959008>. Anotācija. { Pieejams žurnāla datubāzē. }
97. Positron annihilation characterization of free volume in micro-and macro-modified $\text{Cu}_{0.4}\text{Co}_{0.4}\text{Ni}_{0.4}\text{Mn}_{1.8}\text{O}_4$ ceramics / H. Klym, A. Ingram, O. Shpotyuk, I. Hadzaman, V. Solntsev, O. Hotra, A. I. Popov // *Fizika Nizkikh Temperatur*. - ISSN 0132-6414. - Vol. 42, N 7 (2016), p.764-769. - URL: <http://fnte.ilt.kharkov.ua/list.php>. Anotācija. { Pieejams žurnāla datubāzē. }

98. Positron annihilation characterization of free volume in micro-and macro-modified Cu_{0.4}Co_{0.4}Ni_{0.4}Mn_{1.8}O₄ ceramics / H. Klym, A. Ingram, O. Shpotyuk, I. Hadzaman, V. Solntsev, O. Hotra, A. I. Popov // Low Temperature Physics. - ISSN 1063-777X. - Vol. 42, N 7 (2016), p.601-605. <http://dx.doi.org/10.1063/1.4959021>. - URL: <http://aip.scitation.org/doi/10.1063/1.495902>. Anotācija. { Pieejams žurnāla datubāzē. }

99. Positron trapping defects in free-volume investigation of Ge–Ga–S–CsCl glasses / H. Klym, A. Ingram, O. Shpotyuk, O. Hotra, A. I. Popov. - References: p.121 // Radiation Measurements : 9th International Conference on Luminescent Detectors and Transformers of Ionizing Radiation (LUMDETR 2015); Tartu, Estonia, sep. 20-25, 2015 : Proceedings. - ISSN 1350-4487. - Vol. 90, SI (2016), p.[117]-121. <http://dx.doi.org/10.1016/j.radmeas.2016.01.023>. - URL: <http://www.sciencedirect.com/science/article/pii/S1350448716300233>. Pilns teksts. { Pieejams ScienceDirect datubāzē. } ; URL: <http://web.b.ebscohost.com/ehost/detail/detail?vid=4&sid=446c8277-608c-411d-80b3-dc7cccf59566%40sessionmgr104&hid=125&bdata=JnNpdGU9ZWhvc3QtOGl2ZQ%3d%3d#AN=115846731&db=a9h>. Anotācija. { Pieejams EBSCO datubāzē. }

100. Pressure-induced insulator-to-metal transition in α -SnWO₄ / Alexei Kuzmin, Andris Anspoks, Janis Timoshenko, Robert Kalendarev, Aleksandr Kalinko, Lucie Nataf, François Baudalet, Tetsuo Irifune, Pascale Roy // Journal of Physics. - (JOP Conference Series). - ISSN 1742-6588. - Vol. 712, N 1 (2016), Article number 012122. DOI: 10.1088/1742-6596/712/1/012122. - URL: <http://iopscience.iop.org/article/10.1088/1742-6596/712/1/012122/meta;jsessionid=D1554D1DBCB17FFACD70E75D36E8FDA7.c3.iopscience.cld.iop.org>. Pilns teksts. { Pieejams IOP Science datubāzē. }

101. Processing, basic characterization and standard dielectric measurements on PLZT x/65/35 (2x13) ceramics / Krzysztof Pytel, Jan Suchanicz, Maris Livinsh, Andris Sternberg // Ferroelectrics : Proceedings of the Thirteenth European Meeting on Ferroelectricity (EMF-13). - ISSN 0015-0193. - Vol. 499, N 1, SI, Part 3 (2016), p.9-22. <http://dx.doi.org/10.1080/00150193.2016.1171644>. - URL: <http://www.tandfonline.com/doi/full/10.1080/00150193.2016.1171644>. Anotācija. { Pieejams Taylor&Francis online datubāzē. }

102. Production of ZnO and CdO-ZnO thin films by extraction-pyrolytic method / A. Cvetkovs, O. Kiselova, U. Rogulis, V. Serga, R. Ignatans // Latvian Journal of Physics and Technical Sciences. - ISSN 0868-8257. - Vol. 53, N 3 (2016), p.57-66. DOI: 10.1515/lpts-2016-0021. - URL: <http://www.degruyter.com/view/j/lpts.2016.53.issue-3/lpts-2016-0021/lpts-2016-0021.xml>. Anotācija. { Pieejams De Gruyter datubāzē. }

103. Quantum chemical simulations of doped ZnO nanowires for photocatalytic hydrogen generation / Yuri F. Zhukovskii, Sergei Piskunov, Oleg Lisovski, Eckhard Spohr, Robert A. Evarestov // Physica Status Solidi (B) Basic Research. - ISSN 0370-1972. - Vol. 253, N 11 (2016), p.2120-2128. DOI: 10.1002/pssb.201600452. - URL: <http://onlinelibrary.wiley.com/doi/10.1002/pssb.201600452/abstract;jsessionid=0506CDEEBB7B48FA6247B32FFE4365B3.f02t01>. Anotācija. { Pieejams Wiley online datubāzē. }

104. Raman spectra and anomalies of dielectric properties and thermal expansion of lead-free $(1-x)\text{Na}_0.5\text{Bi}_0.5\text{TiO}_3-x\text{SrTiO}_3$ ($x = 0, 0.08$ and 0.1) ceramics / E. M. Dutkiewicz, J. Suchanicz, V. Bovtun, K. Konieczny, P. Czaja, K. Kluczevska, B. Handke, M. Antonova, A. Sternberg // Phase Transitions. - ISSN 0141-1594. - Vol. 89, N 7-8 (2016), SI, p.823-828. <http://dx.doi.org/10.1080/01411594.2016.1182167>. - URL: <http://www.tandfonline.com/doi/full/10.1080/01411594.2016.1182167>. Anotācija. { Pieejams Taylor&Francis online datubāzē. }
105. Rational computing of energy levels for organic electronics: The case of 2-benzylidene-1,3-indandiones / Igors Mihailovs, Valdis Kampars, Baiba Turovska, Martins Rutkis // RSC Advances. - ISSN 2046-2069. - Vol. 6, N 88 (2016), p.85242-85253. DOI: 10.1039/c6ra16456k. - URL: <http://pubs.rsc.org/en/Content/ArticleLanding/2016/RA/C6RA16456K#!divAbstract>. Anotācija. { Pieejams žurnāla datubāzē. }
106. **Rogulis, Uldis**. Optical detection of paramagnetic centres: From crystals to glass-ceramics / Uldis Rogulis // Fizika Nizkikh Temperatur. - ISSN 0132-6414. - Vol. 42, N 7 (2016), p.689-693. - URL: <http://fnte.ilt.kharkov.ua/list.php>. Anotācija. { Pieejams žurnāla datubāzē. }
107. **Rogulis, Uldis**. Optical detection of paramagnetic centres: From crystals to glass-ceramics / Uldis Rogulis // Low Temperature Physics. - ISSN 1063-777X. - Vol. 42, N 7 (2016), p.539-542. <http://doi.org/10.1063/1.4959009>. - URL: <http://aip.scitation.org/doi/abs/10.1063/1.4959009?journalCode=lt>. Anotācija. { Pieejams žurnāla datubāzē. }
108. The role of nano-perovskite in the negligible thorium release in seawater from Greek bauxite residue (red mud) / Aleksejs Kuzmins, Platon N. Gamaletsos, Athanasios Godelitsas, Takeshi Kasama, Markus Lagos, Theo J. Mertzimekis, Jörg Göttlicher, Ralph Steininger, Stelios Xanthos, Yiannis Pontikes, George N. Angelopoulos. - Ietver bibliogrāfiju // Scientific Reports. - ISSN 2045-2322. - Vol.6 (2016), Article nr.: 21737. DOI: 10.1038/srep21737. - URL: <http://www.nature.com/articles/srep21737>. Pilns teksts. { Pieejams Scientific Reports datubāzē. }
109. **Sipr, Ondřej**. Effect of atomic vibrations in XANES: polarization-dependent damping of the fine structure at the Cu K-edge of (creat) 2CuCl_4 / O. Sipr, J. Vackár, A. Kuzmin // Journal of Synchrotron Radiation. - ISSN 1600-5775. - Vol. 23, N 6 (2016), p.1433-1439. <https://doi.org/10.1107/S1600577516014570>. - URL: <http://scripts.iucr.org/cgi-bin/paper?S1600577516014570>. Anotācija. { Pieejams žurnāla datubāzē. }
110. Slope of the accommodative response measured with the retinal brightness method / Varis Karitāns, Natālija Fridrihsone, Evita Kassaliete, Aiga Švede, Māris Ozoliņš, Gunta Krūmiņa // 1st International Symposium on Visual Physiology, Environment, and Perception (VISPEP), Riga, Latvia, October 6-8, 2016 : Book of Abstracts. - Riga, 2016. - ISBN 1234-5678. - P.55. - URL: http://www.vispep.lu.lv/fileadmin/user_upload/lu_portal/projekti/vispep/VisPEP_Book_of_abstracts_2016.pdf. Pilns teksts.
111. "SmartGlass" Obstacles for Dynamic Inducing of Light Scattering in Vision Research Experiments / Olga Danilenko, Maris Ozolinsh, Varis Karitans, Paulis Paulins // Materials Science (Medžiagotyra). - ISSN 1392-1320. - Vol.22, N 4 (2016), p.522-529 : fig. <http://dx.doi.org/10.5755/j01.ms.22.4.12907>. - URL: <http://www.matsc.ktu.lt/index.php/MatSc/article/view/12907>. Pilns teksts. { Pieejams žurnāla datubāzē. }

112. Spectroscopy of charge transfer states in $\text{Mg}_{1-x}\text{Ni}_x\text{O}$ / V. N. Churmanov, V. I. Sokolov, V. A. Pustovarov, N. B. Gruzdev, N. Mironova-Ulmane // Optics and Spectroscopy : Optika i Spektroskopiya : XVI International Feofilov Symposium. - ISSN 0030-400X. - Vol. 121, N 4 (2016), p.478-481. DOI: 10.1134/S0030400X16100052. - URL: <http://link.springer.com/article/10.1134%2FS0030400X16100052>. Anotācija. { Pieejams Springer datubāzē. }
113. Stabilization of primary mobile radiation defects in MgF_2 crystals / V. M. Lisitsyn, L. A. Lisitsyna, A. I. Popov, E. A. Kotomin, F. U. Abuova, A. Akilbekov, J. Maier. - References: p.27-28 // Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms. - ISSN 0168-583X. - Vol. 374 (2016), p.[24]-28. <http://dx.doi.org/10.1016/j.nimb.2015.08.002>. - URL: <http://www.sciencedirect.com/science/article/pii/S0168583X15007260>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }
114. **Stefanovsky, Sergey V.** Cesium speciation in nuclear waste glasses / Sergey V. Stefanovsky, Juris J. Purans // Physics and Chemistry of Glasses: European Journal of Glass Science and Technology. Part B. - ISSN 0031-9090. - Vol. 53, N 5 (2012), p.186-190. - URL: <http://www.ingentaconnect.com/content/sgt/ejgst/2012/00000053/00000005/art00002>. Anotācija. { Pieejams Ingenta Connect datubāzē. }
115. Stereoselective synthesis and properties of 1,3-bis(dicyanomethylidene)indane-5-carboxylic acid acceptor fragment containing nonlinear optical chromophores / Kaspars Traskovskis, Valdis Kokars, Andrejs Tokmakovs, Igors Mihailovs, Edgars Nitiss, Marina Petrova, Sergey Belyakov, Martins Rutkis // Journal of Materials Chemistry C. - ISSN 2050-7534. - Vol. 4, N 22 (2016), p.5019-5030. DOI: 10.1039/c6tc00203j. - URL: <http://pubs.rsc.org/en/Content/ArticleLanding/2016/TC/C6TC00203J#!divAbstract>. Anotācija. { Pieejams Publishing datubāzē. }
116. Structural factor in bending testing of fivefold twinned nanowires revealed by finite element analysis / Boris Polyakov, Magnus Mets, Mikk Antsov, Vahur Zadin, Leonid M. Dorogin, Alvo Aabloo, Rynno Lohmus, Sergei Vlassov // Physica Scripta. - ISSN 0031-8949. - Vol. 91, N 11 (2016), Article number 115701. DOI: 10.1088/0031-8949/91/11/115701. - URL: <http://iopscience.iop.org/article/10.1088/0031-8949/91/11/115701/meta>. Anotācija. { Pieejams IOP Science datubāzē. }
117. Structure and dielectric properties at phase transition of $\text{Na}_{1/2}\text{Bi}_{1/2}\text{TiO}_3\text{-BaTiO}_3$ solid solutions / A. Plaude, R. Ignatans, E. Birks, M. Dunce, M. Antonova, A. Sternberg // Ferroelectrics. - ISSN 0015-0193. - Vol. 500, N 1 (2016), p.47-53. <http://dx.doi.org/10.1080/00150193.2016.1215220>. - URL: <http://www.tandfonline.com/doi/abs/10.1080/00150193.2016.1215220>. Anotācija. { Pieejams Taylor&Francis online datubāzē. }
118. Structure and dielectric properties of $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3\text{-CaTiO}_3$ solid solutions / E. Birks, M. Dunce, R. Ignatans, A. Kuzmin, A. Plaude, M. Antonova, K. Kundzins, A. Sternberg // Journal of Applied Physics. - ISSN 0021-8979. - Vol. 119, N 7 (2016), Article number: 074102. <http://dx.doi.org/10.1063/1.4942221>. - URL: <http://scitation.aip.org/content/aip/journal/jap/119/7/10.1063/1.4942221>. Anotācija. { Pilns teksts pieejams Journal of Applied Physics datubāzē. }

119. Study of copper nitride thin film structure / A. Kuzmin, A. Kalinko, A. Anspoks, J. Timoshenko, R. Kalendarev. - References: p.36-37. - Kopsav. latviešu val.: Vara nitrīda plāno kārtiņu struktūras pētījumi, 37. lpp. // Latvian Journal of Physics and Technical Sciences. - ISSN 0868-8257. - Vol. 53, N 2 (2016), p.31-37. <https://doi.org/10.1515/lpts-2016-0011>. - URL: <https://www.degruyter.com/downloadpdf/j/lpts.2015.53.issue-2/lpts-2016-0011/lpts-2016-0011.xml>. Pilns teksts. { Pieejams De Gruyter datubāzē. }
120. Study of Structure-Third-Order Susceptibility Relation of Indandione Derivatives / Arturs Bundulis, Edgars Nitiss, Igors Mihailovs, Janis Busenbergs, Martins Rutkis // Journal of Physical Chemistry C. - ISSN 1932-7447. - Vol. 120, N 48 (2016), p.27515-27522. DOI: 10.1021/acs.jpcc.6b07003. - URL: <http://pubs.acs.org/doi/abs/10.1021/acs.jpcc.6b07003>. Anotācija. { Pilns teksts pieejams Journal of Physical Chemistry C datubāzē. }
121. Surface Segregation Entropy of Protons and Oxygen Vacancies in BaZrO₃ / Tor S. Bjørheim, Marco Arrigoni, Sarmad W. Saeed, Eugene Kotomin, Joachim Maier // Chemistry of Materials. - ISSN 0897-4756. - Vol. 28, N 5 (2016), p.1363-1368. DOI: 10.1021/acs.chemmater.5b04327. - URL: <http://pubs.acs.org/doi/abs/10.1021/acs.chemmater.5b04327>. Anotācija. { Pilns teksts pieejams ACS Publications datubāzē. }
122. Synchrotron-based far-infrared spectroscopy of nickel tungstate / A. Kalinko, A. Kuzmin, P. Roy, R. A. Evarestov // Fizika Nizkikh Temperatur. - ISSN 0132-6414. - Vol. 42, N 7 (2016), p.705-709. - URL: <http://fnte.ilt.kharkov.ua/list.php>. Anotācija. { Pieejams žurnāla datubāzē. }
123. Synchrotron-based far-infrared spectroscopy of nickel tungstate / A. Kalinko, A. Kuzmin, P. Roy, R. A. Evarestov // Low Temperature Physics. - ISSN 1063-777X. - Vol. 42, N 7 (2016), p.552-555. <http://dx.doi.org/10.1063/1.4959012>. - URL: <http://aip.scitation.org/doi/10.1063/1.4959012>. Anotācija. { Pieejams žurnāla datubāzē. }
124. **Širmane, Liāna.** Emerging blue-UV luminescence in cerium doped YAG nanocrystals / Liana Shirmane, Vladimir Pankratov // Physica Status Solidi - Rapid Research Letters. - ISSN 1862-6254. - Vol. 10, N 6 (2016), p.475-479. DOI: 10.1002/pssr.201600041. - URL: <http://onlinelibrary.wiley.com/doi/10.1002/pssr.201600041/abstract>. Anotācija. { Pieejams Wiley online datubāzē. }
125. Temperature and impurity concentration effects on upconversion luminescence in LaInO₃ doped with Er³⁺ / A. Sarakovskis, J. Grube, K. Strals, G. Krieke, M. Springis, N. Mironova-Ulmane, V. Skvortsova, E. K. Yukhno, L. A. Bashkirov // Fizika Nizkikh Temperatur. - ISSN 0132-6414. - Vol. 42, N 7 (2016), p.733-737. - URL: <http://fnte.ilt.kharkov.ua/list.php>. Anotācija. { Pieejams žurnāla datubāzē. }
126. Temperature and impurity concentration effects on upconversion luminescence in LaInO₃ doped with Er³⁺ / A. Sarakovskis, J. Grube, K. Strals, G. Krieke, M. Springis, N. Mironova-Ulmane, V. Skvortsova, E. K. Yukhno, L. A. Bashkirov // Low Temperature Physics. - ISSN 1063-777X. - Vol. 42, N 7 (2016), p.576-579. <http://dx.doi.org/10.1063/1.4959016>. - URL: <http://aip.scitation.org/doi/10.1063/1.4959016>. Anotācija. { Pieejams žurnāla datubāzē. }

127. Temperature-dependent EXAFS study of the local structure and lattice dynamics in cubic Y2O3 / Inga Jonane, Karlis Lazdins, Janis Timoshenko, Juris Purans, Alexei Kuzmin, Pavel Vladimirov, Tim Gräning, Jan Hoffmann. - Ietver bibliogrāfiju // Journal of Synchrotron Radiation. - ISSN 0909-0495. - Vol.23, N 2 (2016), p.510-518. DOI: 10.1107/S1600577516001181. - URL: <http://scripts.iucr.org/cgi-bin/paper?S1600577516001181>. Anotācija. { Pieejams Journal of Synchrotron Radiation datubāzē. }
128. Tetrathiotetracene thin film morphology and electrical properties / K. Pudzs, A. Vembris, J. Busenbergs, M. Rutkis, S. Woodward. - References: p.218 // Thin Solid Films. - ISSN 0040-6090. - Vol. 598 (2016), p.[214]-218. <http://dx.doi.org/10.1016/j.tsf.2015.11.087>. - URL: <http://www.sciencedirect.com/science/article/pii/S0040609015012730>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }
129. Theoretical analysis of the kinetics of low-temperature defect recombination in alkali halide crystals / V. N. Kuzovkov, A. I. Popov, E. A. Kotomin, A. M. Moskina, E. Vasil'chenko, A. Lushchik // Fizika Nizkikh Temperatur. - ISSN 0132-6414. - Vol. 42, N 7 (2016), p.748-755. - URL: <http://fnte.ilt.kharkov.ua/list.php>. Anotācija. { Pieejams žurnāla datubāzē. }
130. Theoretical analysis of the kinetics of low-temperature defect recombination in alkali halide crystals / V. N. Kuzovkov, A. I. Popov, E. A. Kotomin, A. M. Moskina, E. Vasilchenko, A. Lushchik // Low Temperature Physics. - ISSN 1063-777X. - Vol. 42, N 7 (2016), p.588-593. <http://dx.doi.org/10.1063/1.4959018>. - URL: <http://aip.scitation.org/doi/10.1063/1.4959018>. Anotācija. { Pieejams žurnāla datubāzē. }
131. **Timošenko, Jānis.** Disappearance of correlations in the atom motion upon hydrogen intercalation into ReO3 lattice / Janis Timoshenko, Alexei Kuzmin, Juris Purans // Journal of Physics: Conference Series. - ISSN 1742-6588. - Vol. 712, N 1 (2016), Article number 012003. p.1-4. DOI: 10.1088/1742-6596/712/1/012003. - URL: <http://iopscience.iop.org/article/10.1088/1742-6596/712/1/012003/pdf>. Pilns teksts. { Pieejams IOP Science datubāzē. }
132. Triphenyl group containing molecular glasses of azobenzene for photonic applications / Elmars Zarins, Andrejs Tokmakovs, Valdis Kokars, Andris Ozols, Peteris Augustovs, Martins Rutkis. - References: p.153-154 // Optical Materials. - ISSN 0925-3467. - Vol. 53 (2016), p.[146]-154. <http://dx.doi.org/10.1016/j.optmat.2016.01.044>. - Appendix A. Supplementary material. - URL: <http://www.sciencedirect.com/science/article/pii/S0925346716300441>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }
133. **Truhins, Anatolijs.** Luminescence of SiO2 and GeO2 crystals with rutile structure. Comparison with α -quartz crystals and relevant glasses / A. N. Trukhin // Fizika Nizkikh Temperatur. - ISSN 0132-6414. - Vol. 42, N 7 (2016), p.716-725. - URL: <http://fnte.ilt.kharkov.ua/list.php>. Anotācija. { Pieejams žurnāla datubāzē. }
134. **Truhins, Anatolijs.** Luminescence of SiO2 and GeO2 crystals with rutile structure. Comparison with α -quartz crystals and relevant glasses / A. N. Trukhin // Low Temperature Physics. - ISSN 1063-777X. - Vol. 42, N 7 (2016), p.561-569. <http://dx.doi.org/10.1063/1.4959014>. - URL: <http://aip.scitation.org/doi/10.1063/1.4959014>. Anotācija. { Pieejams žurnāla datubāzē. }

135. Unexpected Epitaxial Growth of a Few WS₂ Layers on {1100} Facets of ZnO Nanowires/ Boris Polyakov, Alexei Kuzmin, Krisjanis Smits, Janis Zideluns, Edgars Butanovs, Jelena Butikova, Sergei Vlassov, Sergei Piskunov, Yuri F. Zhukovskii // Journal of Physical Chemistry C. - ISSN 1932-7447. - Vol. 120, N 38 (2016), p.21451-21459. DOI: 10.1021/acs.jpcc.6b06139. - URL: <http://pubs.acs.org/doi/full/10.1021/acs.jpcc.6b06139>. Anotācija. { Pieejams ACS Publications datubāzē. }
136. The Use of X-ray Absorption Spectra for Validation of Classical Force-Field Models / Alexei Kuzmin, Andris Anspoks, Aleksandr Kalinko, Janis Timoshenko // Zeitschrift für Physikalische Chemie. - ISSN 0942-9352. - Vol. 230, N 4, SI (2016), p.537-549. <https://doi.org/10.1515/zpch-2015-0664>. - URL: <http://www.degruyter.com/view/j/zpch.ahead-of-print/zpch-2015-0664/zpch-2015-0664.xml>. Anotācija. { Pilns teksts pieejams De Gruyter datubāzē. }
137. UV-VUV synchrotron radiation spectroscopy of NiWO₄ / A. Kuzmin, V. Pankratov, A. Kalinko, A. Kotlov, L. Shirmane, A. I. Popov // Fizika Nizkikh Temperatur. - ISSN 0132-6414. - Vol. 42, N 7 (2016), p.694-698. - URL: <http://fnte.ilt.kharkov.ua/list.php>. Anotācija. { Pieejams žurnāla datubāzē. }
138. UV-VUV synchrotron radiation spectroscopy of NiWO₄ / A. Kuzmin, V. Pankratov, A. Kalinko, A. Kotlov, L. Shirmane, A. I. Popov // Low Temperature Physics. - ISSN 1063-777X. - Vol. 42, N 7 (2016), p.543-546. <http://doi.org/10.1063/1.4959010>. - URL: <http://aip.scitation.org/doi/abs/10.1063/1.4959010?journalCode=ltph>. Anotācija. { Pieejams žurnāla datubāzē. }
139. **Vembris, Aivars.** Amplified spontaneous emission of pyranilyden derivatives in PVK matrix / Aivars Vembris, Elmars Zarinsh, Valdis Kokars // Proceedings of SPIE - The International Society for Optical Engineering. - ISSN 0277-786X. - ISBN 9781510601406. - Vol. 9895 (2016). DOI: 10.1117/12.2227841. - URL: <http://proceedings.spiedigitallibrary.org/proceeding.aspx?articleid=2519459>. Anotācija. { Pieejams SPIE Digital Library datubāzē. }
140. Visualization of the renewable energy resources / Ravil Muhamedyev, Sophia Kiseleva, Viktors I. Gopejenko, Yedilkhan Amirgaliyev, Elena Muhamedyeva, Aleksejs V. Gopejenko, Farida Abdoldina // Augmented Reality, Virtual Reality, and Computer Graphics / ed. Lucio Tommaso De Paolis, Antonio Mongelli. - Springer, 2016. - ISSN 0302-9743. - ISBN 9783319406206. - Vol. 9768 (2016), p.218-227. DOI: 10.1007/978-3-319-40621-3_17. - URL: http://link.springer.com/chapter/10.1007%2F978-3-319-40621-3_17. Anotācija. { Pieejams Springer datubāzē. }
141. Void lattice formation in electron irradiated CaF₂: Statistical analysis of experimental data and cellular automata simulations / G. Zvejnieks, P. Merzlyakov, V. N. Kuzovkov, E. A. Kotomin. - References: p.143 // Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms. - ISSN 0168-583X. - Vol. 368 (2016), p.[138]-143. <http://dx.doi.org/10.1016/j.nimb.2015.11.037>. - URL: <http://www.sciencedirect.com/science/article/pii/S0168583X15012380>. Pilns teksts. { Pieejams ScienceDirect datubāzē. }
142. Warming of water in a glass / Paulis Paulins, Armands Krauze, Maris Ozolinsh, Andris Muiznieks // Physics Education. - ISSN 0031-9120. - Vol. 51, N 2 (2016), Article number 025013. DOI: 10.1088/0031-9120/51/2/025013. - URL: <http://iopscience.iop.org/article/10.1088/0031-9120/51/2/025013/meta;jsessionid=00F12CC656B8CA766FC9323DC23F5DD3.c2.iopscience.cld.iop.org>. Anotācija. { Pieejams IOP Science datubāzē. }

143. X-ray diffraction and Raman spectroscopy studies in $\text{Na}_{1/2}\text{Bi}_{1/2}\text{TiO}_3\text{-SrTiO}_3\text{-PbTiO}_3$ solid solutions / M. Duce, E. Birks, A. Kuzmin, R. Ignatans, A. Plaude, M. Antonova, A. Sternberg // *Ferroelectrics*. - ISSN 0015-0193. - Vol. 503, N 1, Special Issue in Honor of Professor Alexander S. Sigov on the occasion of his 70th birthday (2016), p.52-59. <http://dx.doi.org/10.1080/00150193.2016.1217142>. - URL: <http://www.tandfonline.com/doi/abs/10.1080/00150193.2016.1217142?journalCode=gfer20>. Anotācija. { Pieejams Taylor&Francis online datubāzē. }