

Vladimir A Pustovarov

List of Publications by Year in descending order

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361296

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1737
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards effective indirect radioisotope energy converters with bright and radiation hard scintillators of (Gd,Y)3Al2Ga3O12 family. Nuclear Engineering and Technology, 2022, 54, 2579-2585.	1.1	13
2	Phase transition, radio- and photoluminescence of K3Lu(PO4)2 doped with Pr3+ ions. Journal of Luminescence, 2021, 230, 117749.	1.5	9
3	Charge Transport Mechanism and Trap Origin in Methyl-Terminated Organosilicate Glass Low- ϵ^* Dielectrics. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2000654.	0.8	2
4	Oxygen vacancies in zirconium oxide as the blue luminescence centres and traps responsible for charge transport: Part I—Crystals. Materialia, 2021, 15, 100979.	1.3	5
5	Excited states of modified oxygen-deficient centers and Si quantum dots in Gd-implanted silica glasses: Emission dynamics and lifetime distributions. Physical Chemistry Chemical Physics, 2021, 23, 23184-23195.	1.3	3
6	Energy Transfer in LiSrPO4 Doped with Pr3+ and Co-Doped with Dy3+, Sm3+, . 2020, , .		0
7	Luminescent spectroscopy of Pr3+ ions in some phosphates, borates and silicates using x-ray synchrotron radiation from VEPP-3 storage ring. AIP Conference Proceedings, 2020, , .	0.3	0
8	Luminescence of KLuP2O7 Powder Doped with Pr3+ Ions upon Different Types of Excitation. , 2020, , .		0
9	Energy conversion in LiSrPO4 doped with Pr3+ ions. Radiation Measurements, 2019, 123, 39-43.	0.7	19
10	Identification of the nature of traps involved in the field cycling of Hf0.5Zr0.5O2-based ferroelectric thin films. Acta Materialia, 2019, 166, 47-55.	3.8	76
11	Luminescence of impurity Ce3+ centers in KH2PO4 : Ce crystals. Physics of the Solid State, 2018, 60, 147-152.	0.2	5
12	Unraveling Pr3+ 5d-4f emission in LiLa9(SiO4)6O2 crystals doped with Pr3+ ions. Optical Materials, 2018, 79, 108-114.	1.7	16
13	Charge Transport and the Nature of Traps in Oxygen Deficient Tantalum Oxide. ACS Applied Materials & Interfaces, 2018, 10, 3769-3775.	4.0	45
14	A luminescence spectroscopy study of new Li2BaAl2F10 single crystal. Optical Materials, 2018, 76, 1-10.	1.7	0
15	Excitons in strongly correlated oxide nanocrystals NiMg1-xO. Physica B: Condensed Matter, 2018, 536, 583-587.	1.3	0
16	Impurity and defect-related luminescence of Ce3+ doped LiLa9(SiO4)6O2 crystals upon UV-VUV, X-ray and cathode ray excitation. Optical Materials, 2018, 84, 66-72.	1.7	3
17	Photoluminescence dose dependences of F and F+ -centers in TLD-500 detectors. Radiation Measurements, 2017, 106, 52-54.	0.7	5
18	Effect of an electron beam irradiation on optical and luminescence properties of LiBaAlF6 single crystals. Optical Materials, 2017, 69, 344-351.	1.7	4

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19	Charge transfer transitions in optical spectra of NiMg _{1-x} O oxides. Low Temperature Physics, 2017, 43, 520-525.	0.2	1
20	Luminescence spectroscopy of Rb ₂ KTiOF ₅ oxyfluoride single crystals. AIP Conference Proceedings, 2017, , .	0.3	4
21	Luminescence of LiLa ₉ (SiO ₄) ₆ O ₂ silicate crystals doped with Ce ³⁺ and Pr ³⁺ ions. AIP Conference Proceedings, 2017, , .	0.3	2
22	Photoluminescence of nanostructured Zn ₂ SiO ₄ :Mn ²⁺ ceramics under UV and VUV excitation. Journal of Surface Investigation, 2017, 11, 727-731.	0.1	2
23	Luminescence of Er ³⁺ doped double lead halide crystals under X-ray, UV, VIS and IR excitation. AIP Conference Proceedings, 2017, , .	0.3	1
24	Electronic excitation energy transfer and nonstationary processes in KH ₂ PO ₄ :Tl crystals. Journal of Experimental and Theoretical Physics, 2017, 124, 592-603.	0.2	4
25	EPR and photoluminescence study of irradiated anion-defective alumina single crystals. Nuclear Instruments & Methods in Physics Research B, 2017, 407, 191-196.	0.6	5
26	Energy conversion of X-ray, ultraviolet and infrared radiation in Gd ₂ O ₃ crystals doped with Er ³⁺ ions. AIP Conference Proceedings, 2017, , .	0.3	8
27	Energy transfer in Gd ₂ O ₃ :Er nanoparticles applying as a down-conversion layer for solar cell. Journal of Physics: Conference Series, 2017, 917, 052015.	0.3	9
28	Host and defect-related photoluminescence of structurally disordered K ₃ WO ₃ F ₃ oxyfluoride crystals. Journal of Physics: Conference Series, 2017, 830, 012127.	0.3	2
29	Luminescence of rare-earth ions and intrinsic defects in Gd ₂ O ₃ matrix. Journal of Physics: Conference Series, 2016, 741, 012089.	0.3	10
30	Luminescence spectroscopy of K ₃ WO ₃ F ₃ oxyfluoride crystals. AIP Conference Proceedings, 2016, , .	0.3	1
31	Luminescent properties of alumina ceramics doped with chromium oxide. Journal of Physics: Conference Series, 2016, 741, 012195.	0.3	4
32	Photosensitive Defects in Gd ₂ O ₃ – Advanced Material for Solar Energy Conversion. Energy Procedia, 2016, 102, 144-151.	1.8	21
33	X-Ray-, Cathodo-, and Photoluminescence of Yttrium-Aluminum Composites on Porous Anodic Alumina Films. Journal of Applied Spectroscopy, 2016, 83, 358-361.	0.3	1
34	Oxygen Vacancy in Hafnia as a Blue Luminescence Center and a Trap of Charge Carriers. Journal of Physical Chemistry C, 2016, 120, 19980-19986.	1.5	47
35	Photoluminescence of the nanosized xerogel Zn ₂ SiO ₄ :Mn ²⁺ in pores of anodic alumina. Physics of the Solid State, 2016, 58, 2062-2067.	0.2	5
36	Electronic structure and inner-shell excited luminescence in gadolinium molybdate single crystals. Journal of Surface Investigation, 2016, 10, 205-209.	0.1	0

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37	Spectroscopy of charge transfer states in $\text{Mg}_{1-x}\text{Ni}_x\text{O}$. Optics and Spectroscopy (English) Tj ETQq1 1 0.784314 rgBT /Oyerlock 10	0.2	1
38	Manifestation of strong d-p hybridization in photoluminescence spectra of ZnO:Ni and ZnO:Co . Physica Status Solidi C: Current Topics in Solid State Physics, 2016, 13, 555-558.	0.8	0
39	σ charge transfer excitons in $\text{Zn}_{1-x}\text{Ni}_x\text{O}$ under inner shell excitation. Physica Status Solidi C: Current Topics in Solid State Physics, 2016, 13, 610-613.	0.8	3
40	Time-resolved luminescence spectroscopy of structurally disordered $\text{K}_3\text{WO}_3\text{F}_3$ crystals. Optical Materials, 2016, 58, 285-289.	1.7	8
41	Cathodoluminescence of monoclinic Li_3AlF_6 crystals in the spectral region of 150–600 nm. Radiation Measurements, 2016, 90, 51-54.	0.7	1
42	Recombination processes in lanthanum beryllate single crystals doped with Ce^{3+} and Pr^{3+} ions. Radiation Measurements, 2016, 90, 178-182.	0.7	0
43	Structure, chemistry and luminescence properties of dielectric La_2HfO_4 films. Materials Chemistry and Physics, 2016, 175, 200-205.	2.0	10
44	Ultraviolet-visible spectroscopic characterization of lanthanum beryllate crystals doped with Er, Nd, or Pr ions. Journal of Surface Investigation, 2016, 10, 48-57.	0.1	3
45	Luminescence and radiation-induced color centers in anion-defective alumina crystals after high-dose irradiation. Radiation Measurements, 2016, 90, 90-93.	0.7	14
46	Defect evolution and photoluminescence in anion-defective alumina single crystals exposed to high doses of gamma-rays. Radiation Measurements, 2016, 85, 51-56.	0.7	6
47	Intrinsic and defect related luminescence in double oxide films of $\text{Al}_2\text{O}_3\text{-HfO}_2$ system under soft X-ray and VUV excitation. Journal of Luminescence, 2016, 170, 161-167.	1.5	9
48	Photoluminescence of anion-defective alumina single crystals exposed to high-dose gamma-radiation. Journal of Luminescence, 2016, 169, 24-28.	1.5	6
49	Luminescence and optical spectroscopy of charge transfer processes in solid solutions $\text{Ni}_{1-x}\text{Mg}_x\text{O}$ and $\text{Ni}_{1-x}\text{Zn}_x\text{O}$. Journal of Luminescence, 2016, 169, 641-644.	1.5	4
50	Time-Resolved luminescence of $\text{La}_2\text{Be}_2\text{O}_5$ crystals doped with Ce^{3+} and Pr^{3+} under selective UV–VUV–XUV excitation. Journal of Surface Investigation, 2015, 9, 1168-1171.	0.1	6
51	Low-temperature photoluminescence in $\text{Ni}_x\text{Mg}_{1-x}\text{O}$ nanocrystals. Low Temperature Physics, 2015, 41, 233-235.	0.2	0
52	Luminescence of $\text{Co}_{1-x}\text{Zn}_x\text{O}$ solid solutions during interband excitation. Low Temperature Physics, 2015, 41, 218-220.	0.2	1
53	Cathodo- and photoluminescence increase in amorphous hafnium oxide under annealing in oxygen. Journal of Experimental and Theoretical Physics, 2015, 120, 710-715.	0.2	17
54	Exciton Lines in Luminescence Spectra of $\text{Ni}_x\text{Zn}_{1-x}\text{O}$ under Inner Shell Excitation. Physics Procedia, 2015, 76, 120-124.	1.2	3

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55	Linear optical, luminescence and electronic properties of the La ₂ Be ₂ O ₅ laser crystals doped with Ce ³⁺ or Eu ³⁺ . Journal of Luminescence, 2015, 162, 50-57.	1.5	5
56	A comparative spectroscopic study of photoluminescence in Li ₆ GdB ₃ O ₉ :Ce single crystals and crystal-fibers. Journal of Luminescence, 2015, 159, 258-264.	1.5	5
57	Luminescence of natural carbon nanomaterial: Impact diamonds from the Popigai crater. Diamond and Related Materials, 2015, 58, 69-77.	1.8	21
58	Radiation-induced transformations of luminescence centers in anion-defective alumina crystals under high-dose irradiations. Nuclear Instruments & Methods in Physics Research B, 2015, 353, 42-45.	0.6	12
59	Optical and electronic properties of undoped La ₂ Be ₂ O ₅ single crystals in the far ultraviolet energy range. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 241.	0.9	5
60	Photoluminescence and X-ray fluorescence of complex oxides upon selective photon excitation. Journal of Surface Investigation, 2015, 9, 1016-1021.	0.1	1
61	Temperature dependence of the defect luminescence in La ₂ Be ₂ O ₅ single crystals. Radiation Measurements, 2015, 82, 31-39.	0.7	3
62	Photoluminescence of monoclinic Li ₃ AlF ₆ crystals under vacuum ultraviolet and soft X-ray excitations. Optical Materials, 2015, 49, 201-207.	1.7	4
63	Optical and luminescence characterization of LiBaAlF ₆ single crystals. Optical Materials, 2015, 39, 52-57.	1.7	5
64	A far ultraviolet spectroscopic study of the reflectance, luminescence and electronic properties of SrMgF ₄ single crystals. Journal of Luminescence, 2014, 145, 872-879.	1.5	8
65	Luminescence of LaBr ₃ : Ce,Hf crystals under photon excitation in the ultraviolet, vacuum ultraviolet, and X-ray ranges. Physics of the Solid State, 2014, 56, 347-352.	0.2	11
66	Photoluminescence of Ultradisperse Alumina Ceramics under VUV Excitation. Journal of Applied Spectroscopy, 2014, 80, 835-840.	0.3	6
67	Nanostructured layers of anion-defective gamma-“alumina” New perspective TL and OSL materials for skin dosimetry. Preliminary results. Radiation Measurements, 2014, 71, 47-50.	0.7	5
68	Features of thermoluminescence in anion-defective alumina single crystals after highdose irradiation. Radiation Measurements, 2014, 61, 74-77.	0.7	20
69	Optical functions and time-resolved luminescence of lithium hydride single crystals upon far-ultraviolet excitation. Optical Materials, 2014, 38, 97-101.	1.7	1
70	Reflection spectra of lithium hydride (Deuteride) crystals in the 4-35 eV energy range. Technical Physics Letters, 2014, 40, 590-593.	0.2	1
71	Electronic properties of undoped LiBaAlF ₆ single crystals: far-ultraviolet optical, luminescence, and x-ray photoelectron spectroscopy studies. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 1926.	0.9	7
72	Optical properties of KPb ₂ Cl ₅ and RbPb ₂ Cl ₅ single crystals in the far ultraviolet spectral region. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 1935.	0.9	5

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73	Low-temperature photoluminescence of CoO excited by synchrotron radiation. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2014, 116, 790-792.	0.2	1
74	The influence of temperature on narrow I 1 and I 2 lines in the luminescence spectrum of Ni _{0.6} Zn _{0.4} O. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2014, 116, 798-801.	0.2	4
75	Photoluminescence of implantation-induced defects in SiO ₂ :Pb ⁺ glasses. Journal of Surface Investigation, 2014, 8, 540-544.	0.1	4
76	Electronic excitations and luminescence of SrMgF ₄ single crystals. Physics of the Solid State, 2014, 56, 456-467.	0.2	4
77	Thermoluminescence kinetics of Li ₆ GdB ₃ O ₉ crystals. Optical Materials, 2014, 36, 1571-1579.	1.7	6
78	Defects and localized states in silica layers implanted with lead ions. Journal of Luminescence, 2014, 154, 425-429.	1.5	1
79	Optical and luminescence spectroscopy studies of electronic structure of Li ₆ GdB ₃ O ₉ single crystals. Optical Materials, 2014, 36, 1060-1064.	1.7	8
80	Time-resolved luminescence of LaBr ₃ -Ce scintillation crystals upon selective UV-VUV-XUV excitation. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 217-220.	0.1	3
81	A luminescence spectroscopy study of Sr ₁₂ :Nd ³⁺ single crystals. Journal of Luminescence, 2013, 143, 101-107.	1.5	12
82	Photoluminescence of Se-related oxygen deficient center in ion-implanted silica films. Journal of Luminescence, 2013, 143, 498-502.	1.5	11
83	Self-trapping of the d-d charge transfer exciton in rock-salt structured Zn _{1-x} Ni _x O evidenced by soft X-ray excited luminescence. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1329-1335.	0.8	1
84	Optical properties of impact diamonds from the Popigai astrobleme. Diamond and Related Materials, 2013, 37, 8-16.	1.8	24
85	The luminescence microspectroscopy of Pr ³⁺ -doped LiBaAlF ₆ and Ba ₃ Al ₂ F ₁₂ crystals. Radiation Measurements, 2013, 56, 49-53.	0.7	11
86	Luminescence of Li ₆ Gd(BO ₃) ₃ crystals upon ultraviolet and inner-shell excitations. Journal of Luminescence, 2013, 134, 113-125.	1.5	19
87	Charge transfer transitions in the photoluminescence spectra of Zn _{1-x} Me _x O (Me = Mn, Ni, Co) oxide compounds. Low Temperature Physics, 2013, 39, 89-92.	0.2	1
88	Optical and photoelectron spectroscopy studies of KPb ₂ Cl ₅ and RbPb ₂ Cl ₅ laser crystals. Optical Materials, 2013, 35, 620-625.	1.7	15
89	Spectroscopic study of red-light-emitting centers in K ₂ Al ₂ B ₂ O ₇ : Fe single crystals. Optical Materials, 2013, 35, 1173-1178.	1.7	6
90	Intrinsic and radiation-induced defect luminescence of gadolinium molybdate under UV- and VUV-excitation. Radiation Measurements, 2013, 56, 44-48.	0.7	2

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91	Luminescence of LaBr ₃ :Ce,Hf scintillation crystals under UV-VUV and X-ray excitation. IOP Conference Series: Materials Science and Engineering, 2013, 49, 012047.	0.3	1
92	Inhomogeneous nanostructured honeycomb optical media for enhanced cathodo- and under-x-ray luminescence. Journal of Applied Physics, 2012, 111, 103101.	1.1	8
93	Luminescence of impurity-bound excitons in Li ₆ GdB ₃ O ₉ :Ce ³⁺ single crystals. Journal of Physics Condensed Matter, 2012, 24, 405902.	0.7	4
94	Unusual x-ray excited luminescence spectra of NiO suggest self-trapping of the $d-d$ charge-transfer exciton. Physical Review B, 2012, 86, .	1.1	42
95	Self-trapping of the d-d charge transfer exciton in bulk NiO evidenced by X-ray excited luminescence. JETP Letters, 2012, 95, 528-533.	0.4	6
96	Anomalous luminescence of impurity-bound excitons in lithium borate crystals doped with cerium ions. JETP Letters, 2012, 96, 308-312.	0.4	6
97	Low-temperature photoluminescence of ion-implanted SiO ₂ :Sn ⁺ films and glasses. Journal of Surface Investigation, 2012, 6, 668-672.	0.1	14
98	Time-resolved photoluminescence of LaBr ₃ :Ce scintillation crystals under ultrasoft X-ray excitation. Technical Physics Letters, 2012, 38, 784-788.	0.2	3
99	Luminescent vacuum ultraviolet spectroscopy of Cr ³⁺ ions in nanostructured aluminum oxide. Journal of Luminescence, 2012, 132, 2868-2873.	1.5	17
100	Low-energy charge transfer excitations in NiO. IOP Conference Series: Materials Science and Engineering, 2012, 38, 012007.	0.3	8
101	Electron microscopic imaging of an ion beam mixed SiO ₂ /Si interface correlated with photo- and cathodoluminescence. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 1101-1108.	0.8	6
102	Vacuum ultraviolet and X-ray emission spectroscopy of anion and cation excitons in oxide crystals. Journal of Surface Investigation, 2012, 6, 100-105.	0.1	1
103	Luminescence and electronic excitations in crystals K ₂ Al ₂ B ₂ O ₇ with defects. Physics of the Solid State, 2012, 54, 111-116.	0.2	2
104	Sol-gel derived structures for optical design and photocatalytic application. Microelectronic Engineering, 2012, 90, 131-137.	1.1	11
105	A luminescence spectroscopy study of scintillation crystals SrI ₂ doped with Eu ²⁺ . Optical Materials, 2012, 34, 926-930.	1.7	43
106	Photo- and radioluminescence of lithium hafnate Li ₂ HfO ₃ . Optical Materials, 2012, 34, 1037-1041.	1.7	7
107	A luminescence and absorption spectroscopy study of KH ₂ PO ₄ crystals doped with Tl ⁺ ions. Optical Materials, 2012, 34, 1522-1528.	1.7	8
108	A time-resolved luminescence spectroscopy study of non-linear optical crystals K ₂ Al ₂ B ₂ O ₇ . Journal of Luminescence, 2012, 132, 1632-1638.	1.5	9

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109	Luminescence and electronic excitations in KBe ₂ BO ₃ F ₂ crystals. Physics of the Solid State, 2012, 54, 735-740.	0.2	2
110	Time-resolved luminescence of defects and Cr ³⁺ impurity centers in nanosized alumina crystals under vacuum-ultraviolet excitation. Technical Physics Letters, 2012, 38, 511-515.	0.2	5
111	Electronic and vibrational states of oxygen and sulfur molecular ions inside implanted SiO ₂ films. Journal of Non-Crystalline Solids, 2011, 357, 1977-1980.	1.5	5
112	Simulation of the electronic structure of simple oxides BeO and SiO ₂ and complex oxides Be ₂ SiO ₄ and Be ₂ Si x Ce _{1-x} O ₄ with the phenacite structure. Journal of Experimental and Theoretical Physics, 2011, 112, 877-883.	0.2	0
113	Terbium luminescence in alumina xerogel fabricated in porous anodic alumina matrix under various excitation conditions. Semiconductors, 2011, 45, 950-953.	0.2	3
114	The sub-bandgap energy loss satellites in the RIXS spectra of beryllium compounds. Journal of Electron Spectroscopy and Related Phenomena, 2011, 184, 366-370.	0.8	2
115	Oxygen vacancy in Al ₂ O ₃ : Photoluminescence study and first-principle simulation. Thin Solid Films, 2011, 519, 6319-6322.	0.8	41
116	A luminescence spectroscopy and theoretical study of 4f ⁿ →5d transitions of Ce ³⁺ ions in SrAlF ₅ crystals. Journal of Physics Condensed Matter, 2011, 23, 105501.	0.7	14
117	Combined luminescence and X-ray emission study of self-trapped excitons in oxides. IOP Conference Series: Materials Science and Engineering, 2010, 15, 012088.	0.3	2
118	Time-resolved luminescence spectroscopy of pure and doped with Ce ³⁺ ions SrAlF ₅ crystals. Journal of Surface Investigation, 2010, 4, 666-670.	0.1	3
119	Time-resolved spectroscopy of natural and synthetic BeO crystals. Journal of Surface Investigation, 2010, 4, 671-674.	0.1	1
120	Excitons and photoluminescence in ZnO and Zn _{0.99} Mn _{0.01} O nanocrystals. Journal of Experimental and Theoretical Physics, 2010, 111, 231-235.	0.2	2
121	Electronic structure of an oxygen vacancy in Al ₂ O ₃ from the results of Ab Initio quantum-chemical calculations and photoluminescence experiments. Journal of Experimental and Theoretical Physics, 2010, 111, 989-995.	0.2	34
122	Synchrotron-excited luminescence of natural zircon. Geology of Ore Deposits, 2010, 52, 679-687.	0.2	1
123	Low-temperature luminescence of lead silicate glass. Glass Physics and Chemistry, 2010, 36, 166-170.	0.2	7
124	Oxygen deficiency defects in amorphous Al ₂ O ₃ . Journal of Applied Physics, 2010, 108, .	1.1	99
125	Energy transfer in pure and rare-earth doped SrAlF ₅ crystals. IOP Conference Series: Materials Science and Engineering, 2010, 15, 012011.	0.3	4
126	Electronic excitations and luminescence of SrAlF ₅ crystals doped with Ce ³⁺ ions. Radiation Measurements, 2010, 45, 292-294.	0.7	3

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127	Short-living defects and recombination processes in Li ₆ Gd(BO ₃) ₃ crystals. Radiation Measurements, 2010, 45, 336-339.	0.7	12
128	Optical properties of ZnO, Zn _{0.99} Mn _{0.01} O nanopowders. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 1589-1591.	0.8	0
129	Luminescence properties of undoped LiBaAlF ₆ single crystals. Journal of Physics Condensed Matter, 2010, 22, 295504.	0.7	7
130	Resonant inelastic x-ray scattering and VUV luminescence at the Be 1s edge in BeO. Journal of Physics Condensed Matter, 2010, 22, 375505.	0.7	2
131	Radiation effects and defects in lithium borate crystals. IOP Conference Series: Materials Science and Engineering, 2010, 15, 012016.	0.3	8
132	Synthesis, crystal structure and luminescent properties of pyrovanadates A ₂ CaV ₂ O ₇ (A=Rb, Cs). Solid State Sciences, 2009, 11, 726-732.	1.5	27
133	Optical properties of oxide magnetic ZnO, Zn _{0.95} Mn _{0.05} O and Cu ₂ O nanopowders. Journal of Luminescence, 2009, 129, 1771-1774.	1.5	7
134	Localized electronic excitations in crystalline phenacite Be ₂ SiO ₄ . Physics of the Solid State, 2009, 51, 465-473.	0.2	9
135	Transient hole-polaron optical absorption in Li ₆ Gd(BO ₃) ₃ crystals. Physics of the Solid State, 2009, 51, 1160-1166.	0.2	12
136	Transient optical absorption and luminescence in APb ₂ Cl ₅ (A = K, Rb) crystals. Physics of the Solid State, 2009, 51, 1640-1648.	0.2	5
137	Photosensitive defects in silica layers implanted with germanium ions. Journal of Non-Crystalline Solids, 2009, 355, 61-67.	1.5	16
138	Time-resolved photoluminescence of implanted SiO ₂ :Si ⁺ films. Journal of Non-Crystalline Solids, 2009, 355, 1119-1122.	1.5	12
139	Electronic excitation dynamics and energy transfer in lithium-gadolinium borates doped by rare earths. Physics of the Solid State, 2008, 50, 1684-1686.	0.2	14
140	Intrinsic luminescence of rare-earth oxyorthosilicates. Physics of the Solid State, 2008, 50, 1692-1698.	0.2	21
141	Transient optical absorption induced by an electron pulse in KPb ₂ Cl ₅ crystals. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2008, 105, 377-379.	0.2	4
142	Excitation of inter- and intraconfigurational luminescence of trivalent rare earth ions in strontium fluoride crystals. Journal of Alloys and Compounds, 2008, 451, 65-67.	2.8	8
143	Resonant inelastic X-ray scattering at the Be 1s edge in BeO. Journal of Electron Spectroscopy and Related Phenomena, 2007, 156-158, 299-302.	0.8	6
144	Luminescent VUV spectroscopy of and ions in strontium fluoride crystals. Journal of Luminescence, 2007, 122-123, 28-31.	1.5	9

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145	Luminescence of the hydrogen bonded crystals. Radiation Measurements, 2007, 42, 746-750.	0.7	17
146	Intrinsic luminescence in oriented BeO crystals under VUV and inner-shell excitation. Radiation Measurements, 2007, 42, 742-745.	0.7	20
147	Inter- and intraconfigurational luminescence of trivalent rare earth ions doped into strontium fluoride crystals under vacuum ultraviolet excitation. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 889-892.	0.8	3
148	Luminescence VUV spectroscopy of cerium-and europium-doped lithium borate crystals. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2007, 102, 60-67.	0.2	35
149	Neutron-induced molecular defect O 2 $\dot{\text{a}}$ in beryllium orthogermanate. Physics of the Solid State, 2007, 49, 839-844.	0.2	4
150	Luminescence of molecular ions in neutron-irradiated. Radiation Measurements, 2007, 42, 827-830.	0.7	0
151	Specific features of luminescence of oxygen-deficient centres in nanostructured silicon dioxide. Radiation Measurements, 2007, 42, 891-893.	0.7	7
152	Inner-shell excitation of intrinsic luminescence and resonantly excited X-ray fluorescence at Be 1s edge in oriented BeO crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 575, 172-175.	0.7	4
153	Low-temperature time-resolved spectroscopy of APb2X5 crystals (A $\dot{\text{a}}$ K, Rb; X $\dot{\text{a}}$ Cl, Br). Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2006, 101, 234-244.	0.2	21
154	A time-resolved luminescence spectroscopy study of self-trapped excitons in NH4H2PO4 crystals. Journal of Luminescence, 2005, 115, 69-76.	1.5	7
155	Excitons and energy transport in crystals KPb2Cl5 and RbPb2Br5. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 543, 216-220.	0.7	6
156	Time-resolved luminescent VUV-spectroscopy of pure and doped by rare earth ions crystals of strontium fluoride. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 543, 229-233.	0.7	11
157	Luminescence in anion-defective crystals over the nano-, micro- and millisecond intervals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 543, 234-238.	0.7	31
158	Electronic Excitations in BeAl[sub 2]O[sub 4], Be[sub 2]SiO[sub 4], and Be[sub 3]Al[sub 2]Si[sub 6]O[sub 18] Crystals. Physics of the Solid State, 2005, 47, 466.	0.2	14
159	Electronic Excitations and Defects in Nanostructural Al[sub 2]O[sub 3]. Physics of the Solid State, 2005, 47, 733.	0.2	11
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