

Vladimir A Pustovarov

List of Publications by Year in descending order

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208
papers

1,972
citations

361296

20
h-index

395590

33
g-index

208
all docs

208
docs citations

208
times ranked

1737
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxygen deficiency defects in amorphous Al ₂ O ₃ . Journal of Applied Physics, 2010, 108, .	1.1	99
2	Identification of the nature of traps involved in the field cycling of Hf _{0.5} Zr _{0.5} O ₂ -based ferroelectric thin films. Acta Materialia, 2019, 166, 47-55.	3.8	76
3	Some peculiarities of the luminescence of inorganic scintillators under excitation by high intensity synchrotron radiation. Review of Scientific Instruments, 1992, 63, 3521-3522.	0.6	66
4	Luminescence of F and F ⁺ centers in corundum upon excitation in the interval from 4 to. Radiation Measurements, 2001, 33, 587-591.	0.7	58
5	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
6	Charge Transport and the Nature of Traps in Oxygen Deficient Tantalum Oxide. ACS Applied Materials & Interfaces, 2018, 10, 3769-3775.	4.0	45
7	A luminescence spectroscopy study of scintillation crystals SrI ₂ doped with Eu ²⁺ . Optical Materials, 2012, 34, 926-930.	1.7	43
8	Unusual x-ray excited luminescence spectra of NiO suggest self-trapping of the $d \rightarrow d$ charge-transfer exciton. Physical Review B, 2012, 86, .	1.1	42
9	Oxygen vacancy in Al ₂ O ₃ : Photoluminescence study and first-principle simulation. Thin Solid Films, 2011, 519, 6319-6322.	0.8	41
10	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
11	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
12	Low-temperature time-resolved vacuum ultraviolet luminescent spectroscopy of KH ₂ PO ₄ crystals with defects. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2001, 91, 224-231.	0.2	31
13	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
14	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
15	Electron excitation and luminescence in Bi ₄ Ge ₃ O ₁₂ and Bi ₄ Si ₃ O ₁₂ crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1987, 261, 150-152.	0.7	24
16	Optical properties of impact diamonds from the Popigai astrobleme. Diamond and Related Materials, 2013, 37, 8-16.	1.8	24
17	UV luminescence of F-centers in aluminum oxide. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 527-530.	0.8	22
18	Relaxation of electronic excitations in beryllium oxide: A time-resolved vacuum-UV spectroscopy study. Physics of the Solid State, 2001, 43, 1233-1240.	0.2	21

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19	Low-temperature time-resolved spectroscopy of APb ₂ X ₅ crystals (A ∈ {K, Rb}; X ∈ {Cl, Br}). Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2006, 101, 234-244.	0.2	21
20	Intrinsic luminescence of rare-earth oxyorthosilicates. Physics of the Solid State, 2008, 50, 1692-1698.	0.2	21
21	Luminescence of natural carbon nanomaterial: Impact diamonds from the Popigai crater. Diamond and Related Materials, 2015, 58, 69-77.	1.8	21
22	Photosensitive Defects in Gd ₂ O ₃ – Advanced Material for Solar Energy Conversion. Energy Procedia, 2016, 102, 144-151.	1.8	21
23	Low-temperature time-resolved vacuum ultraviolet spectroscopy of self-trapped excitons in KH ₂ PO ₄ crystals. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2003, 95, 385-389.	0.2	20
24	Intrinsic luminescence in oriented BeO crystals under VUV and inner-shell excitation. Radiation Measurements, 2007, 42, 742-745.	0.7	20
25	Features of thermoluminescence in anion-defective alumina single crystals after highdose irradiation. Radiation Measurements, 2014, 61, 74-77.	0.7	20
26	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
27	Energy conversion in LiSrPO ₄ doped with Pr ³⁺ ions. Radiation Measurements, 2019, 123, 39-43.	0.7	19
28	Electronic excitations and luminescence in CsLiB ₆ O ₁₀ crystals. Physics of the Solid State, 2000, 42, 1846-1853.	0.2	18
29	Electronic excitations and intrinsic defects in nanostructural Al ₂ O ₃ . Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 351-354.	0.8	18
30	Luminescence of the hydrogen bonded crystals. Radiation Measurements, 2007, 42, 746-750.	0.7	17
31	Luminescent vacuum ultraviolet spectroscopy of Cr ³⁺ ions in nanostructured aluminum oxide. Journal of Luminescence, 2012, 132, 2868-2873.	1.5	17
32	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
33	Time-resolved luminescent VUV spectroscopy of F- and F ⁺ -centres in single BeO crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 470, 353-357.	0.7	16
34	Photosensitive defects in silica layers implanted with germanium ions. Journal of Non-Crystalline Solids, 2009, 355, 61-67.	1.5	16
35	Unraveling Pr ³⁺ 5d-4f emission in LiLa ₉ (SiO ₄) ₆ O ₂ crystals doped with Pr ³⁺ ions. Optical Materials, 2018, 79, 108-114.	1.7	16
36	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

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37	Reflection spectra of lithium hydride crystals in 4â€“25 eV range at 5 K. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1987, 261, 138-139.	0.7	14
38	Luminescence excitation of pure and impure BeO single crystals using synchrotron radiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 282, 559-562.	0.7	14
39	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
40	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
41	A luminescence spectroscopy and theoretical study of 4fâ€“5d transitions of Ce^{3 +} ions in SrAlF₅ crystals. Journal of Physics Condensed Matter, 2011, 23, 105501.	0.7	14
42	Low-temperature photoluminescence of ion-implanted SiO2:Sn+ films and glasses. Journal of Surface Investigation, 2012, 6, 668-672.	0.1	14
43	Luminescence and radiation-induced color centers in anion-defective alumina crystals after high-dose irradiation. Radiation Measurements, 2016, 90, 90-93.	0.7	14
44	Time-resolved luminescence of scintillation crystals under excitation by high intensity synchrotron radiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 359, 336-338.	0.7	13
45	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
46	Transient hole-polaron optical absorption in Li6Gd(BO3)3 crystals. Physics of the Solid State, 2009, 51, 1160-1166.	0.2	12
47	Time-resolved photoluminescence of implanted SiO2:Si+ films. Journal of Non-Crystalline Solids, 2009, 355, 1119-1122.	1.5	12
48	Short-living defects and recombination processes in Li6Gd(BO3)3 crystals. Radiation Measurements, 2010, 45, 336-339.	0.7	12
49	A luminescence spectroscopy study of Srl2:Nd3+ single crystals. Journal of Luminescence, 2013, 143, 101-107.	1.5	12
50	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
51	Luminescence of lithium triborate crystals under high intensity synchrotron radiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 359, 339-341.	0.7	11
52	A time-resolved luminescence spectroscopy study of self-trapped excitons in KH2PO4 crystals. Radiation Measurements, 2004, 38, 331-334.	0.7	11
53	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
54	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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55	Time-Resolved Vacuum Ultraviolet Spectroscopy of Er ³⁺ Ions in the SrF ₂ Crystal. Journal of Applied Spectroscopy, 2005, 72, 564-568.	0.3	11
56	Sol-gel derived structures for optical design and photocatalytic application. Microelectronic Engineering, 2012, 90, 131-137.	1.1	11
57	Photoluminescence of Se-related oxygen deficient center in ion-implanted silica films. Journal of Luminescence, 2013, 143, 498-502.	1.5	11
58	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
59	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
60	Electron excitations in LiB ₃ O ₅ crystals with defects: Low-temperature time-resolved luminescence VUV spectroscopy. Physics of the Solid State, 2001, 43, 1454-1463.	0.2	10
61	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
62	Structure, chemistry and luminescence properties of dielectric La Hf _{1-x} O films. Materials Chemistry and Physics, 2016, 175, 200-205.	2.0	10
63	Research of energy transfer in Y ₂ SiO ₅ :Ce, Tb single crystals by time resolved luminescence spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 405, 396-399.	0.7	9
64	Electronic excitations and energy transfer in A ₂ SiO ₅ :Ce (A=Y, Lu, Gd) and Sc ₂ SiO ₅ single crystals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 470, 358-362.	0.7	9
65	Luminescent VUV spectroscopy of and ions in strontium fluoride crystals. Journal of Luminescence, 2007, 122-123, 28-31.	1.5	9
66	Localized electronic excitations in crystalline phenacite Be ₂ SiO ₄ . Physics of the Solid State, 2009, 51, 465-473.	0.2	9
67	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
68	Intrinsic and defect related luminescence in double oxide films of Al-Hf-O system under soft X-ray and VUV excitation. Journal of Luminescence, 2016, 170, 161-167.	1.5	9
69	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
70	Phase transition, radio- and photoluminescence of K ₃ Lu(PO ₄) ₂ doped with Pr ³⁺ ions. Journal of Luminescence, 2021, 230, 117749.	1.5	9
71	SR-excited luminescence of corundum with native defects. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 405, 408-411.	0.7	8
72	Kinetics of non-equilibrium processes in non-linear crystals of lithium borates excited with synchrotron radiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 448, 467-470.	0.7	8

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73	Excitation of inter- and intraconfigurational luminescence of trivalent rare earth ions in strontium fluoride crystals. <i>Journal of Alloys and Compounds</i> , 2008, 451, 65-67.	2.8	8
74	Radiation effects and defects in lithium borate crystals. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010, 15, 012016.	0.3	8
75	Inhomogeneous nanostructured honeycomb optical media for enhanced cathodo- and under-x-ray luminescence. <i>Journal of Applied Physics</i> , 2012, 111, 103101.	1.1	8
76	Low-energy charge transfer excitations in NiO. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012, 38, 012007.	0.3	8
77	A luminescence and absorption spectroscopy study of KH ₂ PO ₄ crystals doped with Tl ⁺ ions. <i>Optical Materials</i> , 2012, 34, 1522-1528.	1.7	8
78	A far ultraviolet spectroscopic study of the reflectance, luminescence and electronic properties of SrMgF ₄ single crystals. <i>Journal of Luminescence</i> , 2014, 145, 872-879.	1.5	8
79	Optical and luminescence spectroscopy studies of electronic structure of Li ₆ GdB ₃ O ₉ single crystals. <i>Optical Materials</i> , 2014, 36, 1060-1064.	1.7	8
80	Time-resolved luminescence spectroscopy of structurally disordered K ₃ WO ₃ F ₃ crystals. <i>Optical Materials</i> , 2016, 58, 285-289.	1.7	8
81	Energy conversion of X-ray, ultraviolet and infrared radiation in Gd ₂ O ₃ crystals doped with Er ³⁺ ions. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	8
82	Metastable defects in beryllium oxide crystals. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 486, 325-329.	0.7	7
83	A time-resolved luminescence spectroscopy study of self-trapped excitons in NH ₄ H ₂ PO ₄ crystals. <i>Journal of Luminescence</i> , 2005, 115, 69-76.	1.5	7
84	Specific features of luminescence of oxygen-deficient centres in nanostructured silicon dioxide. <i>Radiation Measurements</i> , 2007, 42, 891-893.	0.7	7
85	Optical properties of oxide magnetic ZnO, Zn _{0.95} Mn _{0.05} O and Cu ₂ O nanopowders. <i>Journal of Luminescence</i> , 2009, 129, 1771-1774.	1.5	7
86	Low-temperature luminescence of lead silicate glass. <i>Glass Physics and Chemistry</i> , 2010, 36, 166-170.	0.2	7
87	Luminescence properties of undoped LiBaAlF ₆ single crystals. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 295504.	0.7	7
88	Photo- and radioluminescence of lithium hafnate Li ₂ HfO ₃ . <i>Optical Materials</i> , 2012, 34, 1037-1041.	1.7	7
89	Electronic properties of undoped LiBaAlF ₆ single crystals: far-ultraviolet optical, luminescence, and x-ray photoelectron spectroscopy studies. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, 1926.	0.9	7
90	A polarized fast luminescence of LiB ₃ O ₅ single crystals excited by synchrotron radiation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1998, 405, 403-407.	0.7	6

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91	Intrinsic ultraviolet luminescence of LiB ₃ O ₅ single crystals under inner-shell excitation. <i>Physics of the Solid State</i> , 2004, 46, 842-847.	0.2	6
92	Excitons and energy transport in crystals KPb ₂ Cl ₅ and RbPb ₂ Br ₅ . <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005, 543, 216-220.	0.7	6
93	Scintillation Neutron Detectors Based on ⁶ Li-Silica Glass Doped with Cerium. <i>Physics of the Solid State</i> , 2005, 47, 1412.	0.2	6
94	Resonant inelastic X-ray scattering at the Be 1s edge in BeO. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2007, 156-158, 299-302.	0.8	6
95	Self-trapping of the d-d charge transfer exciton in bulk NiO evidenced by X-ray excited luminescence. <i>JETP Letters</i> , 2012, 95, 528-533.	0.4	6
96	Anomalous luminescence of impurity-bound excitons in lithium borate crystals doped with cerium ions. <i>JETP Letters</i> , 2012, 96, 308-312.	0.4	6
97	Electron microscopic imaging of an ion beam mixed SiO ₂ /Si interface correlated with photo- and cathodoluminescence. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 1101-1108.	0.8	6
98	Spectroscopic study of red-light-emitting centers in K ₂ Al ₂ B ₂ O ₇ : Fe single crystals. <i>Optical Materials</i> , 2013, 35, 1173-1178.	1.7	6
99	Photoluminescence of Ultradisperse Alumina Ceramics under VUV Excitation. <i>Journal of Applied Spectroscopy</i> , 2014, 80, 835-840.	0.3	6
100	Thermoluminescence kinetics of Li ₆ GdB ₃ O ₉ crystals. <i>Optical Materials</i> , 2014, 36, 1571-1579.	1.7	6
101	Time-Resolved luminescence of La ₂ Be ₂ O ₅ crystals doped with CE ³⁺ and PR ³⁺ under selective UV and VUV excitation. <i>Journal of Surface Investigation</i> , 2015, 9, 1168-1171.	0.1	6
102	Defect evolution and photoluminescence in anion-defective alumina single crystals exposed to high doses of gamma-rays. <i>Radiation Measurements</i> , 2016, 85, 51-56.	0.7	6
103	Photoluminescence of anion-defective alumina single crystals exposed to high-dose gamma-radiation. <i>Journal of Luminescence</i> , 2016, 169, 24-28.	1.5	6
104	Luminescence excitation of colour centers in beryllium oxide. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1987, 261, 148-149.	0.7	5
105	Vacuum ultraviolet spectroscopy of U:LiF, Cu, and U:NaF, Cu crystals. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2000, 88, 713-717.	0.2	5
106	Time-resolved spectroscopy of complex scintillators Al ₂ BeO ₄ , Be ₂ SiO ₄ and Al ₂ Be ₃ Si ₆ O ₁₈ . <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 486, 417-421.	0.7	5
107	Low-temperature time-resolved vacuum UV spectroscopy of NH ₄ H ₂ PO ₄ crystals. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2004, 97, 244-250.	0.2	5
108	Excitons and Energy Transfer in KPb ₂ Cl ₅ and RbPb ₂ Br ₅ Laser Crystals. <i>Physics of the Solid State</i> , 2005, 47, 1570.	0.2	5

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109	Transient optical absorption and luminescence in APb ₂ Cl ₅ (A = K, Rb) crystals. <i>Physics of the Solid State</i> , 2009, 51, 1640-1648.	0.2	5
110	Electronic and vibrational states of oxygen and sulfur molecular ions inside implanted SiO ₂ films. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 1977-1980.	1.5	5
111	Time-resolved luminescence of defects and Cr ³⁺ impurity centers in nanosized alumina crystals under vacuum-ultraviolet excitation. <i>Technical Physics Letters</i> , 2012, 38, 511-515.	0.2	5
112	Nanostructured layers of anion-defective gamma-“alumina” New perspective TL and OSL materials for skin dosimetry. Preliminary results. <i>Radiation Measurements</i> , 2014, 71, 47-50.	0.7	5
113	Optical properties of KPb ₂ Cl ₅ and RbPb ₂ Cl ₅ single crystals in the far ultraviolet spectral region. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, 1935.	0.9	5
114	Linear optical, luminescence and electronic properties of the La ₂ Be ₂ O ₅ laser crystals doped with Ce ³⁺ or Eu ³⁺ . <i>Journal of Luminescence</i> , 2015, 162, 50-57.	1.5	5
115	A comparative spectroscopic study of photoluminescence in Li ₆ Gd ₃ O ₉ :Ce single crystals and crystal-fibers. <i>Journal of Luminescence</i> , 2015, 159, 258-264.	1.5	5
116	Optical and electronic properties of undoped La ₂ Be ₂ O ₅ single crystals in the far ultraviolet energy range. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015, 32, 241.	0.9	5
117	Optical and luminescence characterization of LiBaAlF ₆ single crystals. <i>Optical Materials</i> , 2015, 39, 52-57.	1.7	5
118	Photoluminescence of the nanosized xerogel Zn ₂ SiO ₄ :Mn ²⁺ in pores of anodic alumina. <i>Physics of the Solid State</i> , 2016, 58, 2062-2067.	0.2	5
119	Photoluminescence dose dependences of F and F ⁺ -centers in TLD-500 detectors. <i>Radiation Measurements</i> , 2017, 106, 52-54.	0.7	5
120	EPR and photoluminescence study of irradiated anion-defective alumina single crystals. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 407, 191-196.	0.6	5
121	Luminescence of impurity Ce ³⁺ centers in KH ₂ PO ₄ : Ce crystals. <i>Physics of the Solid State</i> , 2018, 60, 147-152.	0.2	5
122	Oxygen vacancies in zirconium oxide as the blue luminescence centres and traps responsible for charge transport: Part I—Crystals. <i>Materialia</i> , 2021, 15, 100979.	1.3	5
123	ANISOTROPY OF EXCITON RELAXATION IN BeO CRYSTALS. <i>Surface Review and Letters</i> , 2002, 09, 1291-1295.	0.5	4
124	Low-temperature time-resolved vacuum UV spectroscopy of potassium pentaborate crystals. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2002, 92, 702-709.	0.2	4
125	Energy Transfer in Gd ₂ SiO ₅ —Ce, Y ₂ SiO ₅ —Ce, and Be ₂ La ₂ O ₅ —Ce Crystals during Selective VUV and Core Excitation. <i>Physics of the Solid State</i> , 2005, 47, 1492.	0.2	4
126	Neutron-induced molecular defect O ₂ in beryllium orthogermanate. <i>Physics of the Solid State</i> , 2007, 49, 839-844.	0.2	4

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127	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
128	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
129	Energy transfer in pure and rare-earth doped SrAlF ₅ crystals. IOP Conference Series: Materials Science and Engineering, 2010, 15, 012011.	0.3	4
130	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
131	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
132	Photoluminescence of implantation-induced defects in SiO ₂ :Pb ⁺ glasses. Journal of Surface Investigation, 2014, 8, 540-544.	0.1	4
133	Electronic excitations and luminescence of SrMgF ₄ single crystals. Physics of the Solid State, 2014, 56, 456-467.	0.2	4
134	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
135	Luminescent properties of alumina ceramics doped with chromium oxide. Journal of Physics: Conference Series, 2016, 741, 012195.	0.3	4
136	Luminescence and optical spectroscopy of charge transfer processes in solid solutions Ni _{1-x} Mg _x O and Ni _{1-x} Zn _x O. Journal of Luminescence, 2016, 169, 641-644.	1.5	4
137	Effect of an electron beam irradiation on optical and luminescence properties of LiBaAlF ₆ single crystals. Optical Materials, 2017, 69, 344-351.	1.7	4
138	Luminescence spectroscopy of Rb ₂ KTiOF ₅ oxyfluoride single crystals. AIP Conference Proceedings, 2017, , .	0.3	4
139	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
140	The electronic structure of bismuth germanate. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 282, 595-596.	0.7	3
141	Optical spectroscopy of free and bound excitons in lithium hydride crystals excited with synchrotron radiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 308, 203-204.	0.7	3
142	Time-resolved luminescence of complex wide-gap oxide crystals under inner-shell excitation. Radiation Measurements, 2004, 38, 575-578.	0.7	3
143	Vacuum Ultraviolet Excitation of Rare-Earth Ion Luminescence in Strontium Fluoride Crystals. Russian Physics Journal, 2005, 48, 984-989.	0.2	3
144	Time-resolved spectroscopy of radiation defects in nanocrystalline germanium dioxide. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 343-346.	0.8	3

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145	Inter- and intraconfigurational luminescence of trivalent rare earth ions doped into strontium fluoride crystals under vacuum ultraviolet excitation. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 889-892.	0.8	3
146	Time-resolved luminescence spectroscopy of pure and doped with Ce ³⁺ ions SrAlF ₅ crystals. <i>Journal of Surface Investigation</i> , 2010, 4, 666-670.	0.1	3
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