

Andrzej Suchocki

List of Publications by Year in descending order

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285
docs citations

285
times ranked

3246
citing authors

#	ARTICLE	IF	CITATIONS
1	Luminescence and energy transfer processes in LuNbO ₄ :Bi, Eu. Optical Materials, 2022, 123, 111948.	1.7	4
2	Electron Paramagnetic Resonance and Optical Studies of Thermoluminescence Processes in Mn-Doped YAlO ₃ Single Crystals. Journal of Physical Chemistry C, 2022, 126, 743-753.	1.5	4
3	Investigation of the Interface of Y ₃ Fe ₅ O ₁₂ /Gd ₃ Ga ₅ O ₁₂ Structure Obtained by the Liquid Phase Epitaxy. Crystal Research and Technology, 2022, 57, .	0.6	2
4	Carbon and Manganese in Semi-Insulating Bulk GaN Crystals. Materials, 2022, 15, 2379.	1.3	9
5	Mechanism of the Luminescence Enhancement of SrSi ₂ N ₂ O ₂ :Eu ²⁺ Phosphor via Manganese Addition. Journal of Physical Chemistry C, 2022, 126, 5292-5301.	1.5	2
6	Specific features of Stokes photoluminescence of the La ₂ S ₃ –Ga ₂ S ₃ –Er ₂ S ₃ glasses. Optical Materials, 2022, 128, 112394.	1.7	4
7	(Y, Gd)AlO ₃ Perovskite Single Crystals Doped with Mn ²⁺ Ions. Acta Physica Polonica A, 2022, 141, 374-378.	0.2	0
8	Effect of Temperature and High Pressure on Luminescence Properties of Mn ³⁺ Ions in Ca ₃ Ga ₂ Ge ₃ O ₁₂ Single Crystals. Journal of Physical Chemistry C, 2021, 125, 5146-5157.	1.5	16
9	Locating impurity and defect levels in the host band gap by first-principles calculations: Pure and Ce ³⁺ -doped YAlO ₃ . Optical Materials, 2021, 113, 110843.	1.7	9
10	Correlation between electrical conductivity and luminescence properties in $\hat{\Gamma}^2$ -Ga ₂ O ₃ :Cr ³⁺ and $\hat{\Gamma}^2$ -Ga ₂ O ₃ :Cr,Mg single crystals. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, .	0.9	22
11	Photoluminescence of the undoped and Bi ³⁺ - Doped Ca ₃ Ga ₂ Ge ₃ O ₁₂ garnets. Journal of Luminescence, 2021, 235, 118065.	1.5	10
12	Enhanced dual mode luminescence via energy transfer in Er ³⁺ , Yb ³⁺ co-doped $\hat{\Gamma}^2$ -spodumene. Journal of Alloys and Compounds, 2021, 872, 159551.	2.8	15
13	Al ₂ O ₃ co-doped with Cr ³⁺ and Mn ⁴⁺ , a dual-emitter probe for multimodal non-contact luminescence thermometry. Dalton Transactions, 2021, 50, 14820-14831.	1.6	11
14	Band Gap Engineering and Trap Depths of Intrinsic Point Defects in RAlO ₃ (R = Y, La, Gd, Yb,) Tj ETQq0.0.0 rgBT /Overlock 1	1.5	11
15	Conductivity of CsPbBr ₃ at ambient conditions. Journal of Physical Studies, 2021, 25, .	0.2	1
16	Sol-Gel Combustion Synthesis, Crystal Structure and Luminescence of Cr ³⁺ and Mn ⁴⁺ Ions in Nanocrystalline SrAl ₄ O ₇ . Inorganics, 2021, 9, 89.	1.2	2
17	The effect of annealing and ytterbium concentration on crystal structure and photoluminescence of Y ₃ Al ₅ O ₁₂ :Yb nanopowders. Applied Nanoscience (Switzerland), 2020, 10, 2593-2599.	1.6	0
18	High pressure studies of radiative recombination processes in nitride semiconductor alloys and quantum structures. Japanese Journal of Applied Physics, 2020, 59, SA0802.	0.8	0

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19	Multimodal Non-Contact Luminescence Thermometry with Cr-Doped Oxides. Sensors, 2020, 20, 5259.	2.1	50
20	Mn ²⁺ luminescence of Gd(Zn,Mg)B ₅ O ₁₀ pentaborate under high pressure. Dalton Transactions, 2020, 49, 14268-14279.	1.6	6
21	Influence of Dy ³⁺ co-doping on the luminescence properties of bluish-green Ba _{1-0.5y} Sr _{1-0.5y} Al ₂ SiO ₇ : ^{i>} Eu ²⁺ phosphors. New Journal of Chemistry, 2020, 44, 15821-15827.	1.4	5
22	Luminescence spectroscopy of Cr ³⁺ ions in bulk single crystalline β -Ga ₂ O ₃ . Journal Physics D: Applied Physics, 2020, 53, 354001.	1.3	38
23	Temperature and concentration dependent luminescence of Yb ³⁺ centers in YAM. Journal of Alloys and Compounds, 2020, 842, 155893.	2.8	6
24	Structural, optical and magnetic properties of Y _{3-0.02x} Er _{0.02} Yb _x Al ₅ O ₁₂ (0 ≤ x ≤ 0.20) nanocrystals: effect of Yb content. Nanotechnology, 2020, 31, 225711.	1.3	10
25	Instantaneous decay rate analysis of time resolved photoluminescence (TRPL): Application to nitrides and nitride structures. Journal of Alloys and Compounds, 2020, 823, 153791.	2.8	5
26	Afterglow, TL and OSL properties of Mn ²⁺ -doped ZnGa ₂ O ₄ phosphor. Scientific Reports, 2019, 9, 9544.	1.6	43
27	Enhancement of the YAG:Ce,Yb down-conversion emission by plasmon resonance in Ag nanoparticles. Journal of Alloys and Compounds, 2019, 804, 202-212.	2.8	13
28	Shape control over microwave hydrothermally grown Y ₂ O ₃ :Eu by europium concentration adjustment. Journal of Rare Earths, 2019, 37, 1206-1212.	2.5	9
29	Effect of up-conversion luminescence in Er ³⁺ doped phosphate glasses for developing Erbium-Doped Fibre Amplifiers (EDFA) and G-LED's. Optical Materials: X, 2019, 3, 100034.	0.3	11
30	Comment on "Spectroscopic properties and location of the Ce ³⁺ energy levels in Y ₃ Al ₂ Ga ₃ O ₁₂ and Y ₃ Ga ₅ O ₁₂ at ambient and high hydrostatic pressure" by S. Mahlik, A. Lazarowska, J. Ueda, S. Tanabe and M. Grinberg, Phys. Chem. Chem. Phys., 2016, 18, 6683. Physical Chemistry Chemical Physics, 2019, 21, 2816-2817.	1.3	0
31	Micro-Raman studies of strain in bulk GaN crystals grown by hydride vapor phase epitaxy on ammonothermal GaN seeds. Japanese Journal of Applied Physics, 2019, 58, SCCB32.	0.8	18
32	Time-resolved pulsed OSL of ceramic YAP:Mn phosphors. Integrated Ferroelectrics, 2019, 196, 24-31.	0.3	5
33	Crystal structure and luminescence studies of microcrystalline GGG:Bi ³⁺ and GGG:Bi ³⁺ ,Eu ³⁺ as a UV-to-VIS converting phosphor for white LEDs. Journal of Luminescence, 2019, 213, 278-289.	1.5	21
34	3P ₀ → 1D ₂ non-radiative relaxation control via IVCT state in Pr ³⁺ -doped Na ₂ Ln ₂ Ti ₃ O ₁₀ (Ln=La, Gd) micro-crystals with triple-layered perovskite structure. Journal of Luminescence, 2019, 213, 510-518.	1.5	10
35	Hole Trapping Process and Highly Sensitive Ratiometric Thermometry over a Wide Temperature Range in Pr ³⁺ -Doped Na ₂ La ₂ Ti ₃ O ₁₀ Layered Perovskite Microcrystals. Journal of Physical Chemistry A, 2019, 123, 4021-4033.	1.1	35
36	High-Pressure Low-Temperature Optical Studies of BaWO ₄ :Ce,Na Crystals. Inorganic Chemistry, 2019, 58, 5617-5629.	1.9	10

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37	Tunable white light by varying excitations in yttrium alumino bismuth borosilicate glasses co-doped with Dy ³⁺ -Eu ³⁺ for cool WLED applications. Journal of Non-Crystalline Solids, 2019, 513, 167-182.	1.5	20
38	Localized exciton luminescence in YVO ₄ :Bi ³⁺ . Optical Materials, 2019, 89, 480-487.	1.7	10
39	Non equilibrium anisotropic excitons in atomically thin ReS ₂ . 2D Materials, 2019, 6, 015012.	2.0	23
40	Influence of some thermally resistant transition metal oxides on emission features of Pr ³⁺ ions in zinc borate glasses. Journal of Non-Crystalline Solids, 2019, 503-504, 243-251.	1.5	6
41	Spectroscopic properties and martensitic phase transition of Y ₄ Al ₂ O ₉ :Ce single crystals under high pressure. Acta Materialia, 2019, 165, 346-361.	3.8	17
42	Luminescent and scintillation properties of Ce ³⁺ doped Ca ₂ RMgScSi ₃ O ₁₂ (R = Y, Lu) single crystalline films. Journal of Luminescence, 2018, 195, 362-370.	1.5	11
43	Quantum efficiency of the down-conversion process in Bi ³⁺ -Yb ³⁺ co-doped Gd ₂ O ₃ . Journal of Luminescence, 2018, 196, 169-173.	1.5	29
44	Epitaxial growth of single crystalline film scintillating screens based on Eu ³⁺ doped RAlO ₃ (R = Y, Lu, Gd, Tb) perovskites. CrystEngComm, 2018, 20, 937-945.	1.3	16
45	NIR and visible luminescence features of erbium doped Ga ₂ S ₃ -La ₂ S ₃ glasses. Journal of Non-Crystalline Solids, 2018, 498, 380-385.	1.5	12
46	Luminescence characteristics of Er ³⁺ ions in ZnO-Ta ₂ O ₅ /Nb ₂ O ₅ /ZrO ₂ -B ₂ O ₃ glass system- A case study of energy transfer from ZnO to Er ³⁺ ions. Optical Materials, 2018, 86, 87-94.	1.7	19
47	Equation of State and Amorphization of Ca ₉ R(VO ₄) ₇ (R = La, Nd). Tj ETQq1 1 0.784314 rgBT 2018, 57, 13115-13127.	1.9	5
48	Thermally induced fading of Mn-doped YAP nanoceramics. Journal of Physics: Conference Series, 2018, 987, 012009.	0.3	6
49	Quantum efficiency of the down-conversion process in Bi ³⁺ -Yb ³⁺ and Ce ³⁺ -Yb ³⁺ co-doped garnets. Solar Energy Materials and Solar Cells, 2018, 185, 240-251.	3.0	27
50	Investigation of Co Ions Diffusion in Gd ₃ Ga ₅ O ₁₂ Single Crystals. Acta Physica Polonica A, 2018, 133, 959-964.	0.2	2
51	Optical Investigation of the Cu Ions Diffusion into Bulk Lithium Niobate. Acta Physica Polonica A, 2018, 133, 965-972.	0.2	4
52	Effect of Lutetium Co-Doping on the Main Dosimetric Peak of YAP:Mn ²⁺ Thermoluminescent Detectors. Acta Physica Polonica A, 2018, 133, 973-976.	0.2	6
53	Photoluminescence and Thermoluminescence of the Oxygen-Deficient YAG, YAP, and YAM Phosphors. Acta Physica Polonica A, 2018, 133, 977-980.	0.2	11
54	Luminescence Properties and Decay Kinetics of Mn ²⁺ and Eu ³⁺ Co-Dopant Ions In MgGa ₂ O ₄ Ceramics. Latvian Journal of Physics and Technical Sciences, 2018, 55, 43-51.	0.4	2

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55	Growth and luminescent properties of single crystalline films of Ce ³⁺ doped Pr ^{1-x} Lu ^x AlO ₃ and Gd ^{1-x} Lu ^x AlO ₃ perovskites. Journal of Crystal Growth, 2017, 457, 220-226.	0.7	18
56	Growth and optical properties of ZnWO ₄ single crystals pure and doped with Ca and Eu. Journal of Crystal Growth, 2017, 457, 117-121.	0.7	7
57	Luminescence emission features of Nd ³⁺ ions in PbO-Sb ₂ O ₃ glasses mixed with Sc ₂ O ₃ /Y ₂ O ₃ /HfO ₂ . Optical Materials, 2017, 69, 181-189.	1.7	24
58	Identification of yellow luminescence centers in Be-doped GaN through pressure-dependent studies. Journal Physics D: Applied Physics, 2017, 50, 22LT03.	1.3	17
59	Ultraviolet to near-infrared down-conversion in Bi ³⁺ -Yb ³⁺ co-doped YAM phosphor. Ceramics International, 2017, 43, 10130-10136.	2.3	6
60	Spatial distribution of optical coloration in single crystalline LiNbO ₃ after high-temperature H ₂ /air treatments. Optical Materials, 2017, 70, 106-115.	1.7	12
61	Luminescent properties of Tm ³⁺ Lu ^x Al ₅ O ₁₂ :Ce single crystalline films. Optical Materials, 2017, 69, 444-448.	1.7	2
62	New Ce ³⁺ doped Ca ₂ YMgScSi ₃ O ₁₂ garnet ceramic phosphor for white LED converters. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700016.	1.2	12
63	High pressure studies of Eu ²⁺ and Mn ²⁺ doped NaScSi ₂ O ₆ clinopyroxenes. RSC Advances, 2017, 7, 275-284.	1.7	11
64	Comparative first-principles calculations of the electronic, optical, elastic and thermodynamic properties of XCaF ₃ (X=K, Rb, Cs) cubic perovskites. Materials Chemistry and Physics, 2017, 188, 39-48.	2.0	34
65	Epitaxial growth of single crystalline film scintillators based on the Pr ³⁺ doped solid solution of Lu ₃ Al ₅ O ₁₂ :Ga _x O ₁₂ garnet. CrystEngComm, 2017, 19, 7031-7040.	1.3	2
66	Influence of Y ₂ O ₃ , Sc ₂ O ₃ and HfO ₂ dopants on green emission of Er ³⁺ ions in PbO-Sb ₂ O ₃ glasses. Journal of Luminescence, 2017, 192, 443-451.	1.5	21
67	Observation of A _{1g} Raman mode splitting in few layer black phosphorus encapsulated with hexagonal boron nitride. Nanoscale, 2017, 9, 19298-19303.	2.8	9
68	Electronic structure of Ce ³⁺ in yttrium and lutetium orthoaluminate crystals and single crystal layers. Journal of Alloys and Compounds, 2017, 723, 157-163.	2.8	5
69	Synthesis and luminescent properties of prospective Ce ³⁺ doped silicate garnet phosphors for white LED converters. Journal of Luminescence, 2017, 192, 328-336.	1.5	28
70	Influence of Bi ³⁺ ions on the amplification of 1.3 μm emission of Pr ³⁺ ions in lead silicate glasses for the applications in second telecom window communications. Journal of Luminescence, 2017, 182, 312-322.	1.5	46
71	Double perovskite LiLaMgWO ₆ :Eu ³⁺ novel red-emitting phosphors for solid state lighting: Synthesis, structure and photoluminescent properties. Ceramics International, 2017, 43, 2720-2729.	2.3	145
72	Influence of hydrostatic pressure on the built-in electric field in ZnO/ZnMgO quantum wells. Journal of Applied Physics, 2016, 119, 215702.	1.1	13

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73	Pressure induced increase of the exciton phonon interaction in ZnO/(ZnMg)O quantum wells. AIP Advances, 2016, 6, .	0.6	3
74	Amplification of green emission of Ho ³⁺ ions in lead silicate glasses by sensitizing with Bi ³⁺ ions. Journal of Alloys and Compounds, 2016, 683, 114-122.	2.8	38
75	Time-resolved OSL studies of YAlO ₃ :Mn ²⁺ crystals. Radiation Measurements, 2016, 94, 18-22.	0.7	18
76	Metastability of Mn ³⁺ in ZnO driven by strong d (Mn) intrashell Coulomb repulsion: Experiment and theory. Physical Review B, 2016, 94, .	1.1	10
77	Luminescent and scintillation properties of YAG:Dy and YAG:Dy,Ce single crystalline films. Radiation Measurements, 2016, 90, 308-313.	0.7	5
78	Luminescence enhancement in the Sr ₂ ZnW ₁₀ O ₆ :Eu ³⁺ ,Li ⁺ phosphor for near ultraviolet based solid state lighting. Journal of Alloys and Compounds, 2016, 685, 917-926.	2.8	52
79	Spectroscopic study of radiative intra-configurational 4f ⁿ 4f transitions in Yb ³⁺ -doped materials using high hydrostatic pressure. Journal of Luminescence, 2016, 169, 507-515.	1.5	7
80	Energy level schemes of f electronic configurations for the di-, tri-, and tetravalent lanthanides and actinides in a free state. Journal of Luminescence, 2016, 170, 369-374.	1.5	43
81	Luminescent properties of ZnO and ZnMgO epitaxial layers under high hydrostatic pressure. Journal of Alloys and Compounds, 2016, 672, 125-130.	2.8	8
82	Energy response of the TL detectors based on YAlO ₃ :Mn crystals. Radiation Measurements, 2016, 90, 262-264.	0.7	15
83	Spin-Forbidden Transitions in the Spectra of Transition Metal Ions and Nephelauxetic Effect. ECS Journal of Solid State Science and Technology, 2016, 5, R3067-R3077.	0.9	197
84	Titanyl Phthalocyanine as a Water Photooxidation Agent. Journal of Physical Chemistry C, 2015, , 150611081346002.	1.5	7
85	Luminescence and excited state dynamics of Bi ³⁺ centers in Y ₂ O ₃ . Journal of Luminescence, 2015, 167, 268-277.	1.5	22
86	Solid-state and solar sintering of YAP:Mn,Hf ceramics applicable for thermoluminescent dosimetry. Optical Materials, 2015, 45, 246-251.	1.7	7
87	Time-resolved spectroscopy of Bi ³⁺ centers in Y ₄ Al ₂ O ₉ . Optical Materials, 2015, 46, 104-108.	1.7	11
88	Optical properties of pure and Ce ³⁺ doped gadolinium gallium garnet crystals and epitaxial layers. Journal of Luminescence, 2015, 164, 31-37.	1.5	13
89	Ambient and high pressure spectroscopy of Ce ³⁺ doped yttrium gallium garnet. Optical Materials Express, 2015, 5, 1868.	1.6	15
90	Enhancement of luminescence of nanocrystalline TiO ₂ :Yb ³⁺ nanopowders due to co-doping with Nd ³⁺ ions. Optical Materials, 2015, 47, 361-365.	1.7	4

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91	Some features of YAlO_3 :Mn-based crystalline and ceramic TL detectors. , 2014, , .		3
92	Upconversion in Gd^{2+} : O^{3+} : Er, Yb nanophosphors obtained by hydrothermal and reverse microemulsion methods. , 2014, , .		1
93	Ce^{3+} multicenters in selected garnets, perovskites, and glasses. , 2014, , .		0
94	Time-resolved spectroscopy of Bi^{3+} Centers in Y^{4+} : Al^{2+} : O^{9+} ceramics. , 2014, , .		1
95	Influence of annealing on the properties of (Cd,Mn)Te crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1528-1532.	0.8	4
96	Growth and EPR properties of HoVO_4 single crystals. Journal of Crystal Growth, 2014, 401, 177-180.	0.7	3
97	Luminescent and scintillation properties of YAG:Tm and YAG:Ce,Tm single crystalline films. Optical Materials, 2014, 36, 1685-1687.	1.7	4
98	Equation of state for Eu-doped SrSi_2O_7 . Journal of Chemical Physics, 2014, 141, 014705.	1.2	8
99	Solar sintering and characterization of ZnO-TiO_2 -based photo-anode applicable for water splitting. , 2014, , .		2
100	Thermoluminescent properties of Mn-doped YAP synthesized by the solution combustion method. Optical Materials, 2014, 37, 125-131.	1.7	10
101	Photoinduced water splitting with oxotitanium tetraphenylporphyrin. Physical Chemistry Chemical Physics, 2014, 16, 15256-15262.	1.3	15
102	Lattice Parameters and Stability of the Spinel Compounds in Relation to the Ionic Radii and Electronegativities of Constituting Chemical Elements. Inorganic Chemistry, 2014, 53, 5088-5099.	1.9	112
103	Rare-earth antisites in lutetium aluminum garnets: Influence on lattice parameter and Ce^{3+} multicenter structure. Optical Materials, 2014, 36, 1515-1519.	1.7	27
104	Empirical relation between covalence and the energy position of the Ni^{2+} 1E state in octahedral complexes. Journal of Luminescence, 2014, 148, 338-341.	1.5	28
105	Dominant shallow donors in zinc oxide layers obtained by low-temperature atomic layer deposition: Electrical and optical investigations. Acta Materialia, 2014, 65, 69-75.	3.8	20
106	Preface: IWASOM [™] 13. Optical Materials, 2014, 36, 1609-1610.	1.7	0
107	Application of ZnO single crystals for light-induced water splitting under UV irradiation. Materials Chemistry and Physics, 2014, 143, 1253-1257.	2.0	6
108	Time-resolved photoluminescence and excited state structure of Bi^{3+} center in YAlO_3 . Optical Materials, 2014, 36, 1705-1708.	1.7	17

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109	Broadband down-conversion in Bi ³⁺ /Yb ³⁺ -codoped yttrium and yttrium-aluminum oxides. Materials Chemistry and Physics, 2014, 143, 622-628.	2.0	21
110	Theoretical studies of the pressure-induced zinc-blende to cinnabar phase transition in CdTe and thermodynamical properties of each phase. Materials Chemistry and Physics, 2013, 140, 216-221.	2.0	9
111	Growth and Characterization of (Cd, Mn)Te. IEEE Transactions on Nuclear Science, 2013, 60, 3805-3814.	1.2	7
112	Electronic structure of Ce ³⁺ multicenters in yttrium aluminum garnets. Applied Physics Letters, 2013, 102, .	1.5	40
113	Spectroscopic properties of Mn ⁴⁺ ions in SrLaAlO ₄ . Optical Materials, 2013, 35, 1664-1668.	1.7	18
114	Peculiarities in the pressure dependence of photoluminescence in InAlN. Physica Status Solidi (B): Basic Research, 2013, 250, 677-682.	0.7	3
115	Evidence of multicenter structure of cerium ions in gadolinium gallium garnet crystals studied by infrared absorption spectroscopy. Physical Review B, 2013, 87, .	1.1	30
116	Hydrogen generation by light-induced water splitting using ZnO single crystals. , 2012, , .		0
117	Thermoluminescent properties of Mn-doped YAP ceramics. , 2012, , .		3
118	Luminescence of Bi ³⁺ ions in yttrium and yttrium-aluminum oxides. , 2012, , .		0
119	Microstructural and Optical Characterization of TiO ₂ Doped with Ytterbium Synthesized by Sol-Gel and Solar Physical Vapor Deposition Process. Journal of Nanoscience and Nanotechnology, 2012, 12, 3760-3765.	0.9	6
120	Physical Properties of Ba _{0.95} Pb _{0.05} TiO ₃ +0.1%Co ₂ O ₃ . Ferroelectrics, 2012, 436, 62-71.	0.3	4
121	Spectroscopy of gadolinium gallium garnet doped with cerium under high hydrostatic pressure. , 2012, , .		0
122	Crystal structure and luminescent properties of nanocrystalline YAG and YAG:Nd synthesized by sol-gel method. Optical Materials, 2012, 34, 1984-1989.	1.7	22
123	Pressure-induced luminescence of cerium-doped gadolinium gallium garnet crystal. Physical Review B, 2012, 85, .	1.1	40
124	InAsP-based quantum wells as infrared pressure gauges for use in a diamond anvil cell. Journal of Applied Physics, 2012, 112, 074504.	1.1	4
125	Electronic structure of ytterbium-implanted GaN at ambient and high pressure: experimental and crystal field studies. Journal of Physics Condensed Matter, 2012, 24, 095803.	0.7	1
126	The structural and optical properties of ZnO bulk and nanocrystals under high pressure. High Pressure Research, 2012, 32, 354-363.	0.4	23

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127	Electro-optical characterization of Ti/Au/ZnTe Schottky diodes with CdTe quantum dots. Materials Chemistry and Physics, 2012, 134, 821-828.	2.0	5
128	Sol-gel synthesis and luminescent properties of nanocrystalline YAP:Mn. Optical Materials, 2012, 34, 604-608.	1.7	21
129	Pressure coefficients of the photoluminescence of the II-VI semiconducting quantum dots grown by molecular beam epitaxy. Journal of Luminescence, 2012, 132, 1501-1506.	1.5	11
130	Growth, optical and EPR properties of Li _{1.72} Na _{0.28} Ge ₄ O ₉ single crystals pure and slightly doped with Cr. Open Physics, 2012, 10, .	0.8	6
131	Thermoluminescent detectors based on YAP:Mn crystals. , 2011, , .		0
132	Luminescent properties of ytterbium-doped ternary lanthanum chloride. Journal of Alloys and Compounds, 2011, 509, 7993-7997.	2.8	4
133	Dosimetric properties of the 570 Å thermoluminescence peak of YAlO ₃ :Mn crystals. Radiation Measurements, 2011, 46, 494-497.	0.7	13
134	Merging of the $\frac{1}{4} F \frac{1}{3} \frac{1}{2} \frac{1}{4}$ level states of Nd		
135	Characterization of YAlO ₃ :Mn ²⁺ thermoluminescent detectors. Radiation Measurements, 2010, 45, 516-518.	0.7	41
136	Zinc oxide grown by atomic layer deposition - a material for novel 3D electronics. Physica Status Solidi (B): Basic Research, 2010, 247, 1611-1615.	0.7	17
137	Spectroscopy of gadolinium gallium garnet crystals doped with Y ³⁺ revisited. Journal of Physics Condensed Matter, 2010, 22, 255501.	0.7	6
138	Spectroscopy of f-f radiative transitions of Y ³⁺ ions in ytterbium doped orthophosphates at ambient and high hydrostatic pressures. Journal of Physics Condensed Matter, 2010, 22, 225902.	0.7	10
139	Spectroscopy of ytterbium-doped InP under high hydrostatic pressure. Physical Review B, 2010, 81, .	1.1	10
140	Ab initio calculations of structural, electronic, optical, and elastic properties of pure and Yb-doped InP at varying pressure. Journal of Applied Physics, 2010, 108, 103520.	1.1	9
141	Effect of Manganese Concentration on Thermoluminescent Properties of YAlO ₃ :Mn Crystals. Acta Physica Polonica A, 2010, 117, 177-180.	0.2	6
142	Optical in situ study of the reduction/oxidation processes in YAlO ₃ :Mn crystals. Journal of Physics Condensed Matter, 2009, 21, 175411.	0.7	3
143	EPR Study of Cr ³⁺ and Fe ³⁺ Impurity Ions in Nominally Pure and Co ²⁺ -Doped YAlO ₃ Single Crystals. Applied Magnetic Resonance, 2009, 36, 371-380.	0.6	10
144	Spectroscopic study of the Pr-doped BiBO glass and Ca ₄ GdO(BO ₃) ₃ single crystals. Journal of Rare Earths, 2009, 27, 612-615.	2.5	3

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145	Spectral dependence of the diffraction efficiency of light-induced gratings in YAlO ₃ :Mn crystals. Optical Materials, 2009, 31, 1839-1841.	1.7	0
146	Spectroscopic and crystal field studies of YAlO ₃ single crystals doped with Mn ions. Journal of Physics Condensed Matter, 2009, 21, 025404.	0.7	22
147	Equation of state for gadolinium gallium garnet crystals: Experimental and computational study. Applied Physics Letters, 2009, 95, .	1.5	14
148	Technological approaches for improving thermoluminescent properties of the Czochralski-grown YAlO ₃ :Mn crystals. Journal of Crystal Growth, 2008, 310, 3219-3223.	0.7	25
149	Structural and spectroscopic properties of Mn-doped YAlO ₃ ceramics. Journal of Physics Condensed Matter, 2008, 20, 095204.	0.7	17
150	High pressure luminescence of ZnTe:Cr ²⁺ crystals. New Journal of Physics, 2008, 10, 013023.	1.2	5
151	Role of charge-transfer states of Cr ³⁺ in creation and annihilation of light-induced polarons in LiNbO ₃ :Cr ³⁺ , MgO crystals. Applied Physics Letters, 2008, 92, 071904.	1.5	0
152	High pressure study of ZnSe:Cr ²⁺ crystals: the origin of the 1.25 eV luminescence. Journal of Physics Condensed Matter, 2007, 19, 096213.	0.7	5
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