

Przemyslaw Deren

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

169
papers

2,821
citations

27
h-index

43
g-index

181
ext. papers

3,144
ext. citations

3.9
avg, IF

5.28
L-index

#	Paper	IF	Citations
169	Development and characterization of a slow wavelength shifting coating for background rejection in liquid argon detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2022 , 166683	1.2	0
168	On how the mechanochemical and co-precipitation synthesis method changes the sensitivity and operating range of the BaMgEuWO optical thermometer. <i>Scientific Reports</i> , 2021 , 11, 22847	4.9	0
167	Unusual emission generated from Ca ₂ Mg _{0.5} AlSi _{1.5} O ₇ :Eu ²⁺ and its potential for UV-LEDs and non-contact optical thermometry. <i>Journal of Alloys and Compounds</i> , 2021 , 863, 158770	5.7	6
166	Influence of temperature on near-infrared luminescence, energy transfer mechanism and the temperature sensing ability of La ₂ MgTiO ₆ :Nd ³⁺ double perovskites. <i>Sensors and Actuators A: Physical</i> , 2021 , 317, 112453	3.9	7
165	Red luminescence with controlled rise time in La ₂ MgTiO ₆ :Eu ³⁺ . <i>Journal of Alloys and Compounds</i> , 2021 , 852, 157074	5.7	13
164	Disorder effects in LaAlO ₃ :Ho ³⁺ single crystals revealed by optical spectra. <i>Physical Review B</i> , 2021 , 103,	3.3	2
163	Exploration of the Temperature Sensing Ability of LaMgTiO:Er Double Perovskites Using Thermally Coupled and Uncoupled Energy Levels. <i>Materials</i> , 2021 , 14,	3.5	1
162	Tunable broadband emission by bandgap engineering in (Ba,Sr) ₂ (Mg,Zn)WO ₆ inorganic double-perovskites. <i>Journal of Alloys and Compounds</i> , 2021 , 888, 161567	5.7	2
161	Temperature sensitivity modulation through changing the vanadium concentration in a LaMgTiO:V,Cr double perovskite optical thermometer. <i>Dalton Transactions</i> , 2021 , 50, 9851-9857	4.3	5
160	The influence of morphology and Eu ³⁺ concentration on luminescence and temperature sensing behavior of Ba ₂ MgWO ₆ double perovskite as a potential optical thermometer. <i>Journal of Alloys and Compounds</i> , 2020 , 842, 155742	5.7	22
159	Spectroscopic and paramagnetic properties of LaAlO ₃ polycrystals doped with vanadium ions. <i>Journal of Luminescence</i> , 2020 , 221, 117059	3.8	2
158	Synthesis, Structure, Morphology, and Luminescent Properties of BaMgWO:Eu Double Perovskite Obtained by a Novel Co-Precipitation Method. <i>Materials</i> , 2020 , 13,	3.5	12
157	The substitution effects on electronic structure of Ba ₂ MgWO ₆ double perovskite oxide. <i>Solid State Communications</i> , 2020 , 314-315, 113936	1.6	4
156	Deep red fluoride dots-in-nanoparticles for high color quality micro white light-emitting diodes. <i>Optics Express</i> , 2020 , 28, 26189-26199	3.3	7
155	Spectroscopic and paramagnetic studies of LaAlO ₃ polycrystals doped with manganese ions. <i>Materials Chemistry and Physics</i> , 2020 , 250, 123149	4.4	
154	Spark Plasma Sintering of double perovskite Ba ₂ MgWO ₆ doped with Ce ³⁺ : Part I - Structural and microstructural characterizations. <i>Ceramics International</i> , 2020 , 46, 7602-7608	5.1	4
153	High Efficiency Emission of Eu ²⁺ Located in Channel and Mg-Site of Mg ₂ Al ₄ Si ₅ O ₁₈ Cordierite and Its Potential as a Bi-Functional Phosphor toward Optical Thermometer and White LED Application. <i>Advanced Optical Materials</i> , 2020 , 8, 2001143	8.1	22

152	Emergent room temperature polar phase in CaTiO ₃ nanoparticles and single crystals. <i>APL Materials</i> , 2019 , 7, 011103	5.7	7
151	Eu ³⁺ ions in the highly symmetrical octahedral site in Ba ₂ MgWO ₆ double perovskite. <i>Journal of Alloys and Compounds</i> , 2019 , 802, 190-195	5.7	19
150	Upconversion emission of the GaN nanocrystals doped with rare earth ions. <i>Solid State Sciences</i> , 2019 , 94, 127-132	3.4	2
149	The multi-site emission of Eu ³⁺ in Ba ₂ M(BO ₃) ₂ (M = Mg, Ca) solid-solution. <i>Journal of Luminescence</i> , 2019 , 213, 151-157	3.8	2
148	Synthesis and photoluminescence of Eu ³⁺ activated alkali mixed (Li, Na)Y(PO ₃) ₄ under VUV-UV excitation. <i>Optical Materials</i> , 2019 , 92, 217-222	3.3	5
147	Electronic structure of A ₂ B ₂ B ₂ O ₆ -type (A = Ca, Sr, Ba; B ₁ = Mg, Zn; B ₂ = Mo, W) double perovskite oxides. <i>Optical Materials</i> , 2019 , 90, 95-98	3.3	9
146	Spectroscopic properties of Gd _x La _{1-x} AlO ₃ nanocrystals doped with Pr ³⁺ ions. <i>New Journal of Chemistry</i> , 2019 , 43, 6242-6248	3.6	1
145	Crystal structure, phonon and luminescence properties of AgRE(WO ₄) ₂ tungstates, where RE = Y, Pr, Nd, Sm - Lu. <i>Journal of Alloys and Compounds</i> , 2018 , 745, 779-788	5.7	6
144	Spectroscopic properties of LaAlO ₃ single-crystal doped with Tb ³⁺ ions. <i>Optical Materials</i> , 2018 , 78, 292-294	3.3	8
143	Pair luminescence in Cr ³⁺ -doped Ba ₂ Mg(BO ₃) ₂ . <i>Optical Materials</i> , 2018 , 79, 269-272	3.3	6
142	Luminescence investigation and thermal stability of blue-greenish emission generated from Ca ₃ MgSi ₂ O ₈ :Eu ²⁺ phosphor. <i>Optical Materials</i> , 2018 , 80, 62-64	3.3	8
141	How the size of LaAlO ₃ nanocrystals changes its spectroscopic properties. <i>Journal of Luminescence</i> , 2018 , 193, 73-78	3.8	11
140	Nanophosphors Methods to Control Their Spectroscopic Properties 2018 , 305-311		
139	The role of hypersensitive transition in Eu ³⁺ optical probe for site symmetry determination in BaScBO-SrScBO solid-solution phosphor. <i>Journal of Luminescence</i> , 2018 , 201, 298-302	3.8	6
138	Spectroscopic properties of LaAlO ₃ :Tm ³⁺ nanocrystals. <i>Optical Materials</i> , 2018 , 83, 68-72	3.3	6
137	Spectroscopic properties of MZnPO (M=Gd, Y) polycrystals doped with Nd ³⁺ ions. <i>Journal of Luminescence</i> , 2017 , 184, 130-135	3.8	5
136	Dipole-dipole and dipole-quadrupole interactions between Sm ³⁺ ions in K ₄ BaSi ₃ O ₉ . <i>Journal of Luminescence</i> , 2017 , 190, 123-127	3.8	11
135	The effect of K cations on the phase transitions, and structural, dielectric and luminescence properties of [cat][KCr(HCOO)], where cat is protonated dimethylamine or ethylamine. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 12156-12166	3.6	25

134	Structural and spectroscopic properties of MgAl ₂ O ₄ :Nd ³⁺ transparent ceramics fabricated by using two-step Spark Plasma Sintering. <i>Journal of Alloys and Compounds</i> , 2017 , 722, 358-364	5.7	13
133	Deformation splittings in the spectra of LaAlO ₃ : Ho ³⁺ , Pr ³⁺ , Tm ³⁺ single crystals. <i>EPJ Web of Conferences</i> , 2017 , 132, 03004	0.3	1
132	Site-selective Eu ³⁺ luminescence in Sr ₂ ScLi(B ₂ O ₅) ₂ . <i>New Journal of Chemistry</i> , 2017 , 41, 7662-7666	3.6	6
131	Influence of charge transfer state on Eu ³⁺ luminescence in LaAlO ₃ , by high pressure spectroscopy. <i>Optical Materials</i> , 2017 , 63, 158-166	3.3	20
130	Spectroscopic properties and Judd-Ofelt analysis of LaAlO ₃ monocrystal doped with Tm ³⁺ ions. <i>Journal of Luminescence</i> , 2016 , 178, 400-406	3.8	14
129	Luminescent properties of europium ions in CaAl ₂ SiO ₆ . <i>Journal of Alloys and Compounds</i> , 2016 , 672, 595-599	5.9	15
128	Luminescence structure relationships in MYP ₂ O ₇ :Eu ³⁺ (M=K, Rb, Cs). <i>Journal of Luminescence</i> , 2016 , 175, 249-254	3.8	10
127	Structural and spectroscopic features of Ca ₉ M(PO ₄) ₇ (M=Al ³⁺ , Lu ³⁺) whitlockites doped with Pr ³⁺ ions. <i>Journal of Alloys and Compounds</i> , 2016 , 672, 45-51	5.7	15
126	Combinatorial synthesis of Ca(0.98+x)Eu _{0.02} Al ₂ Si(1+x)O(6+x), (x=0, 0.5, 1; 0001; 0002). <i>Journal of Luminescence</i> , 2016 , 169, 874-878	3.8	2
125	Spectroscopic properties of K ₄ SrSi ₃ O ₉ doped with Sm ³⁺ . <i>Journal of Luminescence</i> , 2016 , 173, 38-43	3.8	27
124	Phase transitions and chromium(iii) luminescence in perovskite-type [CHNH][NaCrAl(HCOO)] (x = 0, 0.025, 0.5), correlated with structural, dielectric and phonon properties. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 29629-29640	3.6	30
123	Synthesis and characterization of [(CH ₃) ₂ NH ₂][Na _{0.5} Cr _{0.5} (HCOO) ₃]: a rare example of luminescent metal-organic frameworks based on Cr(III) ions. <i>Dalton Transactions</i> , 2015 , 44, 6871-9	4.3	61
122	Anomalous decays in Nd ³⁺ doped LaAlO ₃ single crystal. <i>Journal of Physics and Chemistry of Solids</i> , 2015 , 85, 102-105	3.9	8
121	Cooperative energy transfer in Yb ³⁺ /Tb ³⁺ co-doped CaAl ₄ O ₇ upconverting phosphor. <i>Materials Chemistry and Physics</i> , 2015 , 156, 220-226	4.4	15
120	Luminescent properties of Eu ³⁺ ions in CaB ₆ O ₁₀ polycrystals. <i>Journal of Luminescence</i> , 2015 , 159, 219-228	3.8	19
119	Effect of aliovalent doping on the properties of perovskite-like multiferroic formates. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 9337-9345	7.1	62
118	Spectroscopic properties of LaZnPO polycrystals doped with Nd ³⁺ ions. <i>Journal of Luminescence</i> , 2015 , 165, 88-93	3.8	6
117	Structural, Raman, FT-IR and optical properties of Rb ₃ Y ₂ (PO ₄) ₃ and Rb ₃ La(PO ₄) ₂ doped with Eu ³⁺ ions. <i>New Journal of Chemistry</i> , 2015 , 39, 8474-8483	3.6	8

116	Luminescent properties of LaAlO ₃ nanocrystals, doped with Pr ³⁺ and Yb ³⁺ ions. <i>Journal of Luminescence</i> , 2014 , 146, 239-242	3.8	14
115	One step urea assisted synthesis of polycrystalline Eu ³⁺ doped KYP2O7 [luminescence and emission thermal quenching properties. <i>New Journal of Chemistry</i> , 2014 , 38, 1129	3.6	22
114	Luminescence properties and determination of optimal RE ³⁺ (Sm ³⁺ , Tb ³⁺ and Dy ³⁺) doping levels in the KYP2O7 host lattice obtained by combustion synthesis. <i>New Journal of Chemistry</i> , 2014 , 38, 5058-5068	3.6	33
113	The role of the Ca vacancy in the determination of the europium position in the energy gap, its valence state and spectroscopic properties in KCa(PO ₃) ₃ . <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 5581-8	3.6	17
112	Origin of Violet-Blue Emission in Ti-Doped Gahnite. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 1883-1889	3.8	5
111	Cross relaxation in CaTiO ₃ and LaAlO ₃ perovskite nanocrystals doped with Ho ³⁺ ions. <i>Journal of Luminescence</i> , 2014 , 154, 62-67	3.8	17
110	Effect of charge compensation on up-conversion and UV excited luminescence of Eu ³⁺ in Yb ³⁺ /Eu ³⁺ doped calcium aluminate CaAl ₄ O ₇ . <i>Materials Chemistry and Physics</i> , 2014 , 147, 304-310	4.4	20
109	Synthesis and spectroscopic characterization of the K ₄ BaSi ₃ O ₉ :Eu ³⁺ . <i>Optical Materials</i> , 2014 , 37, 410-413	3.3	17
108	Optical properties and storage capabilities in AB ₂ O ₄ :Cr ³⁺ (A=Zn, Mg, B=Ga, Al) 2014 ,		3
107	Spectroscopic properties of Dy ³⁺ ions in CaTiO ₃ nano-perovskites. <i>Journal of Luminescence</i> , 2014 , 145, 661-664	3.8	19
106	Spectroscopic and structural properties of MgAl ₂ O ₄ :Nd ³⁺ nanopowders and ceramics. <i>Journal of Rare Earths</i> , 2014 , 32, 265-268	3.7	5
105	Structure Evolution and Up-Conversion Studies of ZnX ₂ O ₄ :Er ³⁺ /Yb ³⁺ (X = Al ³⁺ , Ga ³⁺ , In ³⁺) Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 1090-1101	2.3	13
104	Preliminary spectroscopic properties of K ₄ SrSi ₃ O ₉ doped with Eu ³⁺ . <i>Optical Materials</i> , 2013 , 35, 2531-2534	3.3	9
103	Thermal quenching mechanisms of the Eu ³⁺ luminescence in Ca ₉ Al(PO ₄) ₇ obtained by citric route. <i>Materials Research Bulletin</i> , 2013 , 48, 337-342	5.1	16
102	Optical properties of Ce ³⁺ doped ABO ₃ perovskites (A=La, Gd, Y and B=Al, Ga, Sc). <i>Journal of Luminescence</i> , 2013 , 133, 35-38	3.8	16
101	Low-temperature synthesis, luminescence and phonon properties of Er and/or Dy doped LaAlO ₃ nanopowders. <i>Journal of Solid State Chemistry</i> , 2012 , 187, 249-257	3.3	20
100	Spectroscopic properties of Nd ³⁺ in MgAl ₂ O ₄ spinel nanocrystals. <i>Journal of Alloys and Compounds</i> , 2012 , 525, 39-43	5.7	18
99	Temperature induced emission quenching processes in Eu ³⁺ -doped La ₂ CaB ₁₀ O ₁₉ . <i>Journal of Materials Chemistry</i> , 2012 , 22, 22651		13

98	Efficient up-conversion emission and energy transfer in LaAlO ₃ doped with Er ³⁺ , Ho ³⁺ , and Yb ³⁺ ions. <i>Optical Materials</i> , 2012 , 34, 1990-1993	3-3	16
97	Infrared to visible up conversion energy transfer confined at ordered micro-ring structures. <i>Optical Materials</i> , 2012 , 34, 2035-2040	3-3	1
96	Upconversion luminescence properties of nanocrystallite MgAl ₂ O ₄ spinel doped with Ho ³⁺ and Yb ³⁺ ions. <i>Optical Materials</i> , 2012 , 34, 2041-2044	3-3	14
95	Weak Crystal Field in Yttrium Gallium Garnet (YGG) Submicrocrystals Doped with Cr ³⁺ . <i>Crystal Growth and Design</i> , 2012 , 12, 4752-4757	3-5	20
94	Spectroscopic properties of Nd ³⁺ ions in nano-perovskite CaTiO ₃ . <i>Journal of Solid State Chemistry</i> , 2011 , 184, 2713-2718	3-3	28
93	An impact of sintering temperature and doping level on structural and spectral properties of Eu-doped strontium aluminium oxide. <i>Journal of Rare Earths</i> , 2011 , 29, 1105-1110	3-7	9
92	Luminescent properties of dysprosium(III) ions in LaAlO ₃ nanocrystallites. <i>Journal of Rare Earths</i> , 2011 , 29, 1195-1197	3-7	18
91	Arrays of micro-cavities activated with laser ions. <i>Journal of Luminescence</i> , 2011 , 131, 382-385	3-8	1
90	On tuning the spectroscopic properties of LaAlO ₃ :Pr ³⁺ nanocrystallites. <i>Journal of Luminescence</i> , 2011 , 131, 445-448	3-8	33
89	Rare earth doped ring-shaped luminescent micro-composites on patterned ferroelectrics. <i>Optics Express</i> , 2010 , 18, 18269-77	3-3	3
88	Symmetry of LaAlO ₃ nanocrystals as a function of crystallite size. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 2095-2100	3-3	41
87	Micrometric spatial control of rare earth ion emission in LiNbO ₃ : A two-dimensional multicolor array. <i>Applied Physics Letters</i> , 2009 , 95, 051103	3-4	4
86	Spectroscopic investigations of Gd ₃ Sc ₂ Ga ₃ O ₁₂ garnet doped with Cr ³⁺ and Nd ³⁺ ions. <i>Journal of Rare Earths</i> , 2009 , 27, 560-563	3-7	4
85	Experimental evidence of Eu ³⁺ pairs in K ₂ EuF ₅ . <i>Optical Materials</i> , 2009 , 31, 558-561	3-3	6
84	Multiphonon transitions in LaAlO ₃ doped with rare earth ions. <i>Optical Materials</i> , 2009 , 31, 465-469	3-3	17
83	Synthesis and spectroscopic properties of CaTiO ₃ nanocrystals doped with Pr ³⁺ ions. <i>Journal of Alloys and Compounds</i> , 2008 , 451, 595-599	5-7	53
82	Anti-Stokes emission in LaAlO ₃ crystal doped with Tm ³⁺ ions. <i>Journal of Alloys and Compounds</i> , 2008 , 461, 58-60	5-7	7
81	Laser action in LaAlO ₃ :Nd ³⁺ single crystal. <i>Journal of Applied Physics</i> , 2008 , 103, 043102	2-5	35

80	Spectroscopic characterization of LaAlO ₃ crystal doped with Tm ³⁺ ions. <i>Optical Materials</i> , 2008 , 30, 680-683	3.8	14
79	Upconversion emission in CaTiO ₃ :Er ³⁺ nanocrystals. <i>Journal of Luminescence</i> , 2008 , 128, 797-799	3.8	36
78	Spectroscopic characterisation of LaAlO ₃ crystal doped with Er ³⁺ ions. <i>Optical Materials</i> , 2007 , 29, 766-772	3.8	45
77	Spectroscopic characterization of LaAlO ₃ crystal doped with Pr ³⁺ ions. <i>Journal of Luminescence</i> , 2007 , 122-123, 40-43	3.8	15
76	Spectroscopic properties of LaAlO ₃ nanocrystals doped with Tb ³⁺ ions. <i>Journal of Luminescence</i> , 2007 , 122-123, 780-783	3.8	24
75	Synthesis and luminescence properties of Eu ³⁺ -doped LaAlO ₃ nanocrystals. <i>Journal of Alloys and Compounds</i> , 2006 , 408-412, 828-830	5.7	49
74	The effect of pressure on luminescence properties of Cr ³⁺ ions in LiSc(WO ₄) ₂ crystals Part I: Pressure dependent emission lineshape. <i>Journal of Luminescence</i> , 2006 , 116, 1-14	3.8	30
73	The effect of pressure on luminescence properties of Cr ³⁺ ions in LiSc(WO ₄) ₂ crystals Part II: Pressure- and temperature-dependent luminescence kinetics. <i>Journal of Luminescence</i> , 2006 , 116, 15-27	3.8	9
72	Green up-conversion emission in LaAlO ₃ crystal doped with holmium ions. <i>Journal of Luminescence</i> , 2006 , 119-120, 38-42	3.8	19
71	The crystal-size and power dependence of luminescence properties of Nd ³⁺ :LaAlO ₃ nanopowders 2004 , 5508, 238		2
70	Lasers and medicine. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004 , 1, 290-294		1
69	Annihilation of the persistent luminescence of MgAl ₂ O ₄ :Eu ²⁺ by Sm ³⁺ co-doping. <i>Radiation Measurements</i> , 2004 , 38, 515-518	1.5	27
68	Strong and weak up-conversion rate in LaCl ₃ : U ³⁺ single crystal. <i>Journal of Alloys and Compounds</i> , 2004 , 380, 357-361	5.7	6
67	Spectroscopic properties of LaAlO ₃ doped with Ho ³⁺ . <i>Journal of Alloys and Compounds</i> , 2004 , 380, 362-367	5.7	28
66	Energy levels and crystal field calculations of Er ³⁺ in LaAlO ₃ . <i>Journal of Alloys and Compounds</i> , 2004 , 380, 376-379	5.7	18
65	Persistent luminescence phenomena in materials doped with rare earth ions. <i>Journal of Solid State Chemistry</i> , 2003 , 171, 114-122	3.3	389
64	Analysis of the absorption and luminescence spectra of U ³⁺ :Cs ₂ NaYBr ₆ single crystals. <i>Chemical Physics</i> , 2003 , 287, 365-375	2.3	10
63	Spectroscopic investigations of LaAlO ₃ :Eu ³⁺ . <i>Journal of Luminescence</i> , 2003 , 102-103, 386-390	3.8	45

62	Hot emission in Nd ³⁺ /Yb ³⁺ :YAG nanocrystalline ceramics. <i>Journal of Luminescence</i> , 2003 , 102-103, 438-444	3.8	44
61	High-pressure spectroscopy characterisation of LiSc(WO ₄) ₂ crystals doped with trivalent chromium. <i>Journal of Luminescence</i> , 2003 , 102-103, 699-704	3.8	8
60	On spectroscopic properties of the KYb(WO ₄) ₂ :Pr ³⁺ crystal. <i>Molecular Physics</i> , 2003 , 101, 951-960	1.7	3
59	Up-conversion in KYb(WO ₄) ₂ :Pr ³⁺ crystal. <i>Optical Materials</i> , 2002 , 19, 145-148	3.3	12
58	High-pressure spectroscopy of Cr ³⁺ doped MgO _{0.5} Al ₂ O ₃ non-stoichiometric green spinel. <i>Journal of Alloys and Compounds</i> , 2002 , 341, 193-196	5.7	10
57	Spectroscopic properties and upconversion in KYb(WO ₄) ₂ :Ho ³⁺ . <i>Journal of Alloys and Compounds</i> , 2002 , 341, 130-133	5.7	6
56	New paths of excitation of up-conversion emissions in LaCl ₃ :U ³⁺ . <i>Journal of Alloys and Compounds</i> , 2002 , 341, 134-138	5.7	4
55	Investigation of nanostructured Lu ₂ O ₃ :Tb 2001 , 4413, 176		4
54	Power dependence of luminescence of Tb ³⁺ -doped KYb(WO ₄) ₂ crystal. <i>Journal of Luminescence</i> , 2001 , 92, 229-235	3.8	65
53	Optical properties of chromium(III) in MIIn(MoO ₄) ₂ hosts, where MI= Li, Na, K, Rb, Cs. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 5807-5816	1.8	26
52	Preparation, X-ray analysis and spectroscopic investigation of nanostructured Lu ₂ O ₃ :Tb. <i>Journal of Alloys and Compounds</i> , 2001 , 323-324, 8-12	5.7	51
51	Spectroscopic studies of chromium-doped silica sol-gel glasses. <i>Journal of Non-Crystalline Solids</i> , 2001 , 288, 56-65	3.9	21
50	Optical properties of chromium(III) in trigonal KAl(MoO ₄) ₂ and monoclinic NaAl(MoO ₄) ₂ hosts. <i>Journal of Luminescence</i> , 2000 , 92, 151-159	3.8	47
49	Cooperative processes in KYb(WO ₄) ₂ crystal doped with Eu ³⁺ and Tb ³⁺ ions. <i>Journal of Luminescence</i> , 2000 , 87-89, 999-1001	3.8	46
48	Spectroscopic and electrochromical properties of metallophthalocyanines in silicate bulks and thin films prepared by the sol-gel method. <i>Journal of Molecular Structure</i> , 2000 , 519, 125-130	3.4	7
47	Up-conversion in elpasolite crystals doped with U ³⁺ . <i>Chemical Physics Letters</i> , 2000 , 332, 308-312	2.5	18
46	Conversion of red light into green light in LiTaO ₃ :Ho. <i>Journal of Applied Physics</i> , 2000 , 88, 6078-6080	2.5	13
45	Emission properties of nanostructured Eu ³⁺ doped zinc aluminate spinels. <i>Journal of Alloys and Compounds</i> , 2000 , 300-301, 456-458	5.7	58

44	Optical properties of Nd ³⁺ -doped silica fibers obtained by sol-gel method. <i>Journal of Alloys and Compounds</i> , 2000 , 300-301, 459-463	5-7	6
43	Blue emission of Pr ³⁺ ions in LaCl ₃ crystal triggered by U ³⁺ . <i>Journal of Alloys and Compounds</i> , 2000 , 300-301, 18-22	5-7	2
42	Efficient up-conversion in KYb _{0.8} Eu _{0.2} (WO ₄) ₂ crystal. <i>Journal of Alloys and Compounds</i> , 2000 , 300-301, 180-183	5-7	23
41	Excited state absorption processes in Sm ³⁺ doped GdOCl. <i>Journal of Alloys and Compounds</i> , 2000 , 300-301, 218-223	5-7	9
40	Spectroscopic studies of samarium doped CdF ₂ crystal. <i>Journal of Alloys and Compounds</i> , 2000 , 300-301, 230-233	5-7	5
39	Simple overlap model and crystal field analysis of Cs ₂ ZnCl ₄ :Co ²⁺ . Correlation with optical and magnetic properties. <i>Journal of Alloys and Compounds</i> , 2000 , 300-301, 242-253	5-7	6
38	Optical properties of erbium-doped silica fibers obtained by sol-gel method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1999 , 55, 369-373	4-4	8
37	Optical Behavior of ZnS:Cu Microcrystals Embedded in Porous Silica Gels. <i>Journal of Fluorescence</i> , 1999 , 9, 343-345	2-4	
36	Spectroscopic Properties and Magnetic Phase Transitions in Scheelite MCr(MoO ₄) ₂ and Wolframite MCr(WO ₄) ₂ Crystals, where M=Li, Na, K, and Cs. <i>Journal of Solid State Chemistry</i> , 1999 , 148, 468-478	3-3	28
35	Visible anti-Stokes emission of Gd ³⁺ in Cs ₂ NaGdCl ₆ crystal. <i>Chemical Physics Letters</i> , 1998 , 298, 217-221	2-5	11
34	Effect of random distribution and molecular interactions on optical properties of Er ³⁺ dopant in KY(WO ₄) ₂ and Ho ³⁺ in KYb(WO ₄) ₂ . <i>Journal of Molecular Structure</i> , 1998 , 450, 179-192	3-4	35
33	Parametric analysis of the energy level scheme of Pr ³⁺ in La ₂ O ₂ CN ₂ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1998 , 54, 2065-2069	4-4	17
32	Green emission of LaCl ₃ : U ³⁺ produced by red laser pulse. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1998 , 54, 2105-2108	4-4	5
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13	Systematic analysis of the optical spectra of selected RE^{3+} ions in rare-earth oxyfluoride. <i>Journal of Applied Spectroscopy</i> , 1995 , 62, 697-705	0.7	9
12	Emission spectra of U^{3+} in Cs_2NaYBr_6 . <i>Journal of Alloys and Compounds</i> , 1995 , 225, 111-114	5.7	7
11	Spectroscopic Properties of Co^{2+} Ions in $MgAl_2O_4$ Spinel. <i>Physica Status Solidi (B): Basic Research</i> , 1994 , 182, 241-251	1.3	17
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