

Przemyslaw Deren

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181
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avg, IF

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L-index

#	Paper	IF	Citations
169	Persistent luminescence phenomena in materials doped with rare earth ions. <i>Journal of Solid State Chemistry</i> , 2003 , 171, 114-122	3.3	389
168	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
167	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
166	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
165	Site selection spectroscopy of Cr ³⁺ in MgAl ₂ O ₄ green spinel. <i>Journal of Luminescence</i> , 1996 , 68, 91-103	3.8	60
164	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
163	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
162	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
161	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
160	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
159	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
158	Spectroscopic characterisation of LaAlO ₃ crystal doped with Er ³⁺ ions. <i>Optical Materials</i> , 2007 , 29, 766-773	3.3	45
157	Spectroscopic investigations of LaAlO ₃ :Eu ³⁺ . <i>Journal of Luminescence</i> , 2003 , 102-103, 386-390	3.8	45
156	The Structure and Spectroscopic Properties of Al _{2-x} Cr _x (WO ₄) ₃ Crystals in Orthorhombic and Monoclinic Phases. <i>Journal of Solid State Chemistry</i> , 1993 , 105, 49-69	3.3	42
155	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
154	Upconversion emission in CaTiO ₃ :Er ³⁺ nanocrystals. <i>Journal of Luminescence</i> , 2008 , 128, 797-799	3.8	36
153	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

152	Laser action in LaAlO ₃ :Nd ³⁺ single crystal. <i>Journal of Applied Physics</i> , 2008 , 103, 043102	2.5	35
151	Luminescence properties and determination of optimal RE ³⁺ (Sm ³⁺ , Tb ³⁺ and Dy ³⁺) doping levels in the KYP2O ₇ host lattice obtained by combustion synthesis. <i>New Journal of Chemistry</i> , 2014 , 38, 5058-5068	3.6	33
150	On tuning the spectroscopic properties of LaAlO ₃ :Pr ³⁺ nanocrystallites. <i>Journal of Luminescence</i> , 2011 , 131, 445-448	3.8	33
149	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
148	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
147	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
146	Spectroscopic properties of LaAlO ₃ doped with Ho ³⁺ . <i>Journal of Alloys and Compounds</i> , 2004 , 380, 362-367	3.7	28
145	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
144	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
143	Annihilation of the persistent luminescence of MAI ₂ O ₄ :Eu ²⁺ by Sm ³⁺ co-doping. <i>Radiation Measurements</i> , 2004 , 38, 515-518	1.5	27
142	Optical properties of chromium(III) in MIn(MoO ₄) ₂ hosts, where M= Li, Na, K, Rb, Cs. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 5807-5816	1.8	26
141	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
140	Spectroscopic properties of LaAlO ₃ nanocrystals doped with Tb ³⁺ ions. <i>Journal of Luminescence</i> , 2007 , 122-123, 780-783	3.8	24
139	Laser-excited luminescence in Ti-doped MgAl ₂ O ₄ spinel. <i>Journal of Applied Physics</i> , 1990 , 68, 736-740	2.5	24
138	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
137	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
136	One step urea assisted synthesis of polycrystalline Eu ³⁺ doped KYP2O ₇ luminescence and emission thermal quenching properties. <i>New Journal of Chemistry</i> , 2014 , 38, 1129	3.6	22
135	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

134	Spectroscopic studies of chromium-doped silica sol-gel glasses. <i>Journal of Non-Crystalline Solids</i> , 2001 , 288, 56-65	3.9	21
133	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
132	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
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	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
129	Optical properties of Cr ³⁺ in MgAl ₂ O ₄ spinel. <i>Physica B: Condensed Matter</i> , 1988 , 152, 379-384	2.8	20
128	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
127	Luminescent properties of Eu ³⁺ ions in CaB ₆ O ₁₀ polycrystals. <i>Journal of Luminescence</i> , 2015 , 159, 219-228	3.3	19
126	Spectroscopic properties of Dy ³⁺ ions in CaTiO ₃ nano-perovskites. <i>Journal of Luminescence</i> , 2014 , 145, 661-664	3.8	19
125	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
124	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
123	Luminescent properties of dysprosium(III) ions in LaAlO ₃ nanocrystallites. <i>Journal of Rare Earths</i> , 2011 , 29, 1195-1197	3.7	18
122	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
121	Up-conversion in elpasolite crystals doped with U ³⁺ . <i>Chemical Physics Letters</i> , 2000 , 332, 308-312	2.5	18
120	Analysis of the Crystal Structure and Optical Spectra of Stoichiometric SmOF. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 14736-14744		18
119	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
118	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
117	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

116	Multiphonon transitions in LaAlO ₃ doped with rare earth ions. <i>Optical Materials</i> , 2009 , 31, 465-469	3.3	17
115	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
114	Spectroscopic Properties of Co ²⁺ Ions in MgAl ₂ O ₄ Spinel. <i>Physica Status Solidi (B): Basic Research</i> , 1994 , 182, 241-251	1.3	17
113	The nature of Cr(III) luminescence in MgAl ₂ O ₄ spinel. <i>Journal of Luminescence</i> , 1988 , 40-41, 421-422	3.8	17
112	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
111	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
110	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
109	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
108	Luminescent properties of europium ions in CaAl ₂ SiO ₆ . <i>Journal of Alloys and Compounds</i> , 2016 , 672, 595-599	5.7	15
107	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
106	Spectroscopic characterization of LaAlO ₃ crystal doped with Pr ³⁺ ions. <i>Journal of Luminescence</i> , 2007 , 122-123, 40-43	3.8	15
105	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
104	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
103	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
102	Spectroscopic characterization of LaAlO ₃ crystal doped with Tm ³⁺ ions. <i>Optical Materials</i> , 2008 , 30, 680-683	3.3	14
101	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
100	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
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	Hot emission in Nd ³⁺ /Yb ³⁺ :YAG nanocrystalline ceramics. <i>Journal of Luminescence</i> , 2003 , 102-103, 438-444	4.4	13
97	Conversion of red light into green light in LiTaO ₃ :Ho. <i>Journal of Applied Physics</i> , 2000 , 88, 6078-6080	2.5	13
96	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
95	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
94	Up-conversion in KYb(WO ₄) ₂ :Pr ³⁺ crystal. <i>Optical Materials</i> , 2002 , 19, 145-148	3.3	12
93	Optical detection of terahertz phonon dynamics in disordered doped insulator systems using a new FLN-based technique. <i>Journal of Luminescence</i> , 1990 , 45, 115-119	3.8	12
92	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
91	How the size of LaAlO ₃ nanocrystals changes its spectroscopic properties. <i>Journal of Luminescence</i> , 2018 , 193, 73-78	3.8	11
90	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
89	Spectroscopic properties of erbium doped silica glasses obtained by sol-gel method. <i>Journal of Alloys and Compounds</i> , 1998 , 275-277, 420-423	5.7	11
88	Analysis of the optical spectra and paramagnetic susceptibility of DyOF. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 1575-1590	1.8	11
87	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
86	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
85	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
84	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
83	Preliminary spectroscopic properties of K ₄ SrSi ₃ O ₉ doped with Eu ³⁺ . <i>Optical Materials</i> , 2013 , 35, 2531-2534	3.4	9
82	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
81	Crystal field energy level scheme of Er ³⁺ in GdOCl Parametric analysis. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997 , 93, 2241-2246		9

80	Spectroscopic properties of U ³⁺ ions in a ZnCl ₂ -based glass. <i>Journal of Alloys and Compounds</i> , 1998 , 275-277, 393-397	5-7	9
79	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}	3-8	9
78	Excited state absorption processes in Sm ³⁺ doped GdOCl. <i>Journal of Alloys and Compounds</i> , 2000 , 300-301, 218-223	5-7	9
77	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
76	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
75	Spectroscopic properties of LaAlO ₃ single-crystal doped with Tb ³⁺ ions. <i>Optical Materials</i> , 2018 , 78, 292-294	3-9	8
74	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
73	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
72	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
71	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
70	Luminescence properties of U ³⁺ doped chloride elpasolite. <i>Journal of Molecular Structure</i> , 1994 , 325, 149-154	3-4	8
69	Emergent room temperature polar phase in CaTiO ₃ nanoparticles and single crystals. <i>APL Materials</i> , 2019 , 7, 011103	5-7	7
68	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
67	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
66	Emission spectra of U ³⁺ in Cs ₂ NaYBr ₆ . <i>Journal of Alloys and Compounds</i> , 1995 , 225, 111-114	5-7	7
65	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
64	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
63	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

62	Pair luminescence in Cr ³⁺ -doped Ba ₂ Mg(BO ₃) ₂ . <i>Optical Materials</i> , 2018 , 79, 269-272	3.3	6
61	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
60	Spectroscopic properties of LaAlO ₃ :Tm ³⁺ nanocrystals. <i>Optical Materials</i> , 2018 , 83, 68-72	3.3	6
59	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
58	Spectroscopic properties of LaZnPO polycrystals doped with Nd ³⁺ ions. <i>Journal of Luminescence</i> , 2015 , 165, 88-93	3.8	6
57	Experimental evidence of Eu ³⁺ pairs in K ₂ EuF ₅ . <i>Optical Materials</i> , 2009 , 31, 558-561	3.3	6
56	Anti-Stokes emission from LaCl ₃ :U ³⁺ and LaCl ₃ :U ³⁺ , Pr ³⁺ . <i>Journal of Luminescence</i> , 1997 , 72-74, 655-657	3.8	6
55	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
54	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
53	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
52	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
51	Optical spectroscopy and light-induced gratings in Cr ³⁺ doped non-stoichiometric magnesium spinel. <i>Chemical Physics</i> , 1992 , 165, 147-154	2.3	6
50	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
49	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
48	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
47	Origin of Violet-Blue Emission in Ti-Doped Gahnite. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 1883-1889	3.8	5
46	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
45	Anti-Stokes emission in LaCl ₃ doped with U ³⁺ and Pr ³⁺ ions. <i>Chemical Physics Letters</i> , 1997 , 264, 614-618	2.5	5

44	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
43	Spectroscopic studies of samarium doped CdF ₂ crystal. <i>Journal of Alloys and Compounds</i> , 2000 , 300-301, 230-233	5-7	5
42	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
41	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
40	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
39	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
38	Luminescence properties of Cr-doped silica sol gel glasses 1997 , 3176, 249		4
37	Spectroscopic properties of Cs ₂ ZnCl ₄ :Co ²⁺ . <i>Journal of Molecular Structure</i> , 1997 , 404, 167-174	3-4	4
36	Optical properties of the Dy ³⁺ ion in DyOCl. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1998 , 54, 2189-2195	4-4	4
35	Investigation of nanostructured Lu ₂ O ₃ :Tb 2001 , 4413, 176		4
34	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
33	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
32	Optical properties and storage capabilities in AB ₂ O ₄ :Cr ³⁺ (A=Zn, Mg, B=Ga, Al) 2014 ,		3
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