RadosÅ‚aw Lisiecki

List of Publications by Year
in descending order

185 papers	2,977 citations	186265 28 h-index	276875 41 g-index
186 all docs	186 docs citations	186 times ranked	2282 citing authors

#	Article	IF	Citations
1	Optical properties of Pr3+, Sm3+ and Er3+ doped P2O5â€“CaOâ€“SrOâ€“BaO phosphate glass. Optical Materials, 2010, 32, 547-553.	3.6	131
2	Comparative optical study of thulium-dopedYVO4,GdVO4, andLuVO4single crystals. Physical Review B, 2006, 74, .	3.2	87
3	Transition intensities and excited state relaxation dynamics of Dy3+ in crystals and glasses: A comparative study. Optical Materials, 2009, 31, 1547-1554.	3.6	76
4	Synthesis, EPR and optical spectroscopy of the Cr-doped tetraborate glasses. Optical Materials, 2012, 34, 2112-2119.	3.6	69
5	Rare earth-doped lead borate glasses and transparent glassâ€“ceramics: Structureâ€“property relationship. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 79, 696-700.	3.9	53
6	Juddâ€“Ofelt analysis and radiative properties of the Sm3+ centres in Li2B4O7, CaB4O7, and LiCaBO3 glasses. Optical Materials, 2015, 49, 241-248.	3.6	49
7	Near-infrared ultrabroadband luminescence spectra properties of subvalent bismuth in CsI halide crystals. Optics Letters, 2011, 36, 4551.	3.3	47
8	Thulium-doped vanadate crystals: Growth, spectroscopy and laser performance. Progress in Quantum Electronics, 2011, 35, 109-157.	7.0	46
9	Er3+/Yb3+ co-doped lead germanate glasses for up-conversion luminescence temperature sensors. Sensors and Actuators A: Physical, 2016, 252, 54-58.	4.1	46
10	Optical spectra and luminescence dynamics of the Dy-doped Gd2SiO5 single crystal. Applied Physics B: Lasers and Optics, 2010, 98, 337-346.	2.2	45
11	Dy-doped Lu2SiO5 single crystal: spectroscopic characteristics and luminescence dynamics. Applied Physics B: Lasers and Optics, 2010, 99, 285-297.	2.2	45
12	Spectroscopic properties of Yb3+ and Er3+ ions in heavy metal glasses. Journal of Alloys and Compounds, 2011, 509, 8088-8092.	5.5	45
13	Erbium-doped oxide and oxyhalide lead borate glasses for near-infrared broadband optical amplifiers. Chemical Physics Letters, 2009, 472, 217-219.	2.6	44
14	Synthesis, optical spectra and radiative properties of Sm2O3:PbO:P2O5 glass materials. Optical Materials, 2008, 30, 1571-1575.	3.6	43
15	Sm3+-doped oxyfluorotellurite glasses - spectroscopic, luminescence and temperature sensor properties. Journal of Alloys and Compounds, 2019, 788, 658-665.	5.5	43
16	Up-converted luminescence in Ybâ€“Tm co-doped lead fluoroborate glasses. Journal of Alloys and Compounds, 2008, 451, 226-228.	5.5	42
17	Unusual luminescence behavior of Dy3+-doped lead borate glass after heat treatment. Chemical Physics Letters, 2010, 489, 198-201.	2.6	41
18	Synthesis and spectroscopy of tetraborate glasses doped with copper. Journal of Non-Crystalline Solids, 2010, 356, 2033-2037.	3.1	41

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19	The crystal structure, vibrational and luminescence properties of the nanocrystalline KEu(WO4)2 and KGd(WO4)2:Eu3+ obtained by the Pechini method. Journal of Solid State Chemistry, 2008, 181, 2591-2600.	2.9	40
20	The Czochralski Growth of (Lu_{1â^'x}Gd_x)₂SiO₅:Dy Single Crystals: Structural, Optical, and Dielectric Characterization. Crystal Growth and Design, 2010, 10, 3522-3530.	3.0	40
21	Sensitive optical temperature sensor based on up-conversion luminescence spectra of Er3+ ions in PbOâ€“Ga2O3â€“XO2 (X=Ge, Si) glasses. Optical Materials, 2016, 59, 87-90.	3.6	38
22	Er-doped and Er, Yb co-doped oxyfluoride glasses and glassâ€“ceramics, structural and optical properties. Optical Materials, 2011, 33, 1630-1637.	3.6	36
23	Near-infrared photoluminescence spectra in Bi-doped CsI crystal: evidence for Bi-valence conversions and Bi ion aggregation. Optical Materials Express, 2012, 2, 757.	3.0	34
24	Thermosensitive Tm3+/Yb3+ co-doped oxyfluorotellurite glasses â€“ spectroscopic and temperature sensor properties. Journal of Alloys and Compounds, 2020, 823, 153753.	5.5	33
25	Spectroscopy of the Er-doped lithium tetraborate glasses. Optical Materials, 2016, 54, 126-133.	3.6	32
26	Spectroscopy of Nd3+ luminescence centres in Li2B4O7:Nd, LiCaBO3:Nd, and CaB4O7:Nd glasses. Journal of Luminescence, 2018, 198, 183-192.	3.1	32
27	Luminescence spectroscopy of Er3+-doped and Er3+, Yb3+-codoped LaPO4 single crystals. Journal of Luminescence, 2009, 129, 521-525.	3.1	31
28	Enhancement of luminescence properties of Eu3+:YVO4 in polymeric nanocomposites upon UV excitation. Journal of Luminescence, 2011, 131, 473-476.	3.1	29
29	Optical spectra and excited state relaxation dynamics of Sm3+ in Gd2SiO5 single crystal. Applied Physics B: Lasers and Optics, 2012, 106, 85-93.	2.2	27
30	Influence of temperature on up-conversion luminescence in Er3+/Yb3+ doubly doped lead-free fluorogermanate glasses for optical sensing. Sensors and Actuators B: Chemical, 2017, 253, 85-91.	7.8	27
31	Conversion of infrared radiation into visible emission in YVO4 crystals doped with ytterbium and holmium. Journal of Applied Physics, 2004, 96, 6323-6330.	2.5	26
32	Crystal structure and optical study of Tm:Sc2SiO5 single crystal. Applied Physics Letters, 2010, 96, .	3.3	25
33	Growth conditions, structure, Raman characterization and optical properties of Sm-doped (LuxGd1â^'x)2SiO5 single crystals grown by the Czochralski method. Journal of Solid State Chemistry, 2012, 186, 268-277.	2.9	25
34	Enhancement of the Er3+ luminescence in Erâ€“Ag co-doped Li2B4O7 glasses. Optical Materials, 2018, 85, 238-245.	3.6	25
35	Silica-based oxyfluoride glass and glass-ceramic doped with Tm3+ and Yb3+ -VUV-VIS-NIR spectroscopy and optical thermometry. Journal of Alloys and Compounds, 2020, 814, 152304.	5.5	25
36	Nd3+ doped TZPN glasses for NIR operating single band ratiometric approach of contactless temperature readout. Journal of Luminescence, 2020, 224, 117295.	3.1	25

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37	Spectral characterization and laser performance of a mixed crystal Nd:(Lu_xY_1-x)_3Al_5O_12. Optics Express, 2010, 18, 21370.	3.4	23
38	A study on microstructure and luminescent properties of oxyfluoride silicate glass-ceramics with (Ho3+,Yb3+):NaYF4 crystallites. Journal of Alloys and Compounds, 2012, 511, 189-194.	5.5	23
39	Relationship between morphology and structure of shapeâ€controlled CeO₂ nanocrystals synthesized by microwaveâ€assisted hydrothermal method. Crystal Research and Technology, 2016, 51, 554-560.	1.3	23
40	Oxyfluorotellurite glasses doped with neodymium and ytterbium â€•thermal and spectroscopic properties as well as energy transfer phenomena. Journal of Luminescence, 2018, 199, 310-318.	3.1	23
41	From upconversion to thermal radiation: spectroscopic properties of a submicron Y₂O₃:Er³⁺,Yb³⁺ ceramic under IR excitation in an extremely broad temperature range. Journal of Materials Chemistry C, 2020, 8, 1072-1082.	5.5	23
42	Spectroscopic and luminescent properties of the lithium tetraborate glass co-doped with Nd and Ag. Journal of Alloys and Compounds, 2021, 853, 157321.	5.5	23
43	Systematic study of spectroscopic properties and thermal stability of lead germanate glass doped with rare-earth ions. Journal of Non-Crystalline Solids, 2008, 354, 515-520.	3.1	22
44	The luminescence properties of rare-earth ions in natural fluorite. Physics and Chemistry of Minerals, 2012, 39, 639-648.	0.8	22
45	Optical study of La3Ga5.5Ta0.5O14 single crystal co-doped with Ho3+ and Yb3+. Applied Physics B: Lasers and Optics, 2014, 116, 183-194.	2.2	22
46	The absorption- and luminescence spectra of Mn3+ in beryl and vesuvianite. Physics and Chemistry of Minerals, 2018, 45, 475-488.	0.8	22
47	Optical spectroscopy of Er3+-doped LaVO4 crystal. Journal of Luminescence, 2010, 130, 131-136.	3.1	21
48	Spectroscopic characterization of Sm3+ in La3Ga5.5Ta0.5O14 single crystals. Journal of Alloys and Compounds, 2014, 610, 50-54.	5.5	21
49	Er3+,Yb3+-doped oxyfluorotellurite glassesâ€”Impact of temperature on spectroscopic properties and optical sensor qualities. Journal of Non-Crystalline Solids, 2020, 535, 119965.	3.1	21
50	Oxyfluorotellurite glasses doped by dysprosium ions. Thermal and optical properties. Optical Materials, 2015, 42, 538-543.	3.6	20
51	Thermal and optical properties of oxyfluorotellurite glasses doped with europium ions. Journal of Alloys and Compounds, 2017, 704, 180-186.	5.5	20
52	Spectroscopic characterisation of Er-doped LuVO4 single crystals. Applied Physics B: Lasers and Optics, 2010, 101, 791-800.	2.2	19
53	Gd3Ga3Al2O12 single crystal doped with dysprosium: Spectroscopic properties and luminescence characteristics. Journal of Alloys and Compounds, 2016, 689, 733-739.	5.5	19
54	Erbium-doped fluorotellurite titanate glasses for near infrared broadband amplifiers. Optical Materials, 2018, 83, 257-262.	3.6	19

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55	Infrared-to-visible conversion of radiation in YVO4 crystals doped with Yb3+ and Tm3+ ions. Journal of Molecular Structure, 2004, 704, 323-327.	3.6	18
56	Optical properties of the Tm3+ and energy transfer between Tm3+â†'Pr3+ ions in P2O5-CaO-SrO-BaO phosphate glass. Optical Materials, 2011, 33, 506-510.	3.6	18
57	Effect of Temperature on Luminescence of LiNbO3 Crystals Single-Doped with Sm3+, Tb3+, or Dy3+ Ions. Crystals, 2020, 10, 1034.	2.2	18
58	Neodymium-doped germanotellurite glasses for laser materials and temperature sensing. Journal of Alloys and Compounds, 2021, 860, 157923.	5.5	18
59	Relaxation of excited states of Tm3+ and Tm3+-Eu3+ energy transfer in YVO4 crystal. Applied Physics B: Lasers and Optics, 2006, 83, 255-259.	2.2	17
60	YAl3(BO3)4:Yb&Tm a nonlinear crystal: Up- and down-conversion phenomena and excited state relaxations. Optical Materials, 2009, 31, 989-994.	3.6	17
61	Estimation of low-temperature spectra behavior in Nd-doped Sc_2SiO_5 single crystal. Optics Letters, 2009, 34, 3481.	3.3	17
62	Luminescence quenching of Dy3+ ions in lead bismuthate glasses. Chemical Physics Letters, 2012, 531, 114-118.	2.6	17
63	Thermal analysis and near-infrared luminescence of Er3+-doped lead phosphate glasses modified by PbF2. Journal of Luminescence, 2015, 160, 57-63.	3.1	17
64	Optimization of the thermometric performance of single band ratiometric luminescent thermometer based on Tb3+ luminescence by the enhancement of thermal quenching of GSA-excited luminescence in TZPN glass. Journal of Alloys and Compounds, 2021, 858, 157690.	5.5	17
65	Luminescence and vibrational characteristics of the submicro crystals of lanthanum orthophosphates and metaphosphates codoped with Er3+ and Yb3+ ions. Materials Chemistry and Physics, 2009, 117, 262-267.	4.0	16
66	Laser spectroscopy of rare earth ions in lead borate glasses and transparent glass-ceramics. Laser Physics, 2010, 20, 649-655.	1.2	16
67	Spectroscopy and laser operation of Ho:CaYAlO_4. Optical Materials Express, 2013, 3, 339.	3.0	16
68	Down- and Upconversion Phenomena in Gd₃(Al,Ga)₅O₁₂ Crystals Doped with Pr³⁺ and Yb³⁺ Ions. Journal of Physical Chemistry C, 2018, 122, 13061-13071.	3.1	16
69	Optical spectroscopy and luminescence properties of a Tm3+-doped LiKB4O7 glass. Journal of Non-Crystalline Solids, 2019, 521, 119477.	3.1	16
70	Contribution of energy transfer processes to excitation and relaxation of Yb3+ ions in Gd3(Al,Ga)5O12:RE3+, Yb3+ (RE3+ = Tm3+, Er3+, Ho3+, Pr3+). Journal of Luminescence, 2019, 211, 54-61.	3.1	16
71	Luminescence and Phonon Properties of Nanocrystalline Bi₂WO₆:Eu³⁺ Photocatalyst Prepared from Amorphous Precursor. Journal of Nanoscience and Nanotechnology, 2010, 10, 5746-5754.	0.9	15
72	Glass preparation and temperature-induced crystallization in multicomponent B2O3â€"PbX2â€"PbOâ€"Al2O3â€"WO3â€"Dy2O3 (X = F, Cl, Br) system. Journal of Non-Crystalline Solids, 2011, 357, 1228-1231.	3.1	15

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73	Effect of temperature on spectroscopic features relevant to laser performance of YVO_4:Er^3+ and GdVO_4:Er^3+ crystals. Optics Letters, 2009, 34, 3271.	3.3	14
74	Spectroscopic properties of Nd3+ ion in several types of phosphate materials. Optical Materials, 2012, 34, 1023-1028.	3.6	14
75	Up-conversion luminescence of Er 3+ ions in lead-free germanate glasses under 800Ânm and 980Ânm cw diode laser excitation. Optical Materials, 2017, 74, 105-108.	3.6	14
76	Exploring the Impact of Structure-Sensitivity Factors on Thermographic Properties of Dy3+-Doped Oxide Crystals. Materials, 2021, 14, 2370.	2.9	14
77	Preparation and characterization of Nd doped gadolinium gallium garnet nanopowders and crystals. Crystal Research and Technology, 2009, 44, 477-483.	1.3	13
78	Spectroscopic properties of Sm3+ impurity in YAl3(BO3)4 single crystal. Optical Materials, 2010, 32, 1446-1450.	3.6	13
79	Effect of temperature on spectroscopic features relevant to laser performance of YVO_4:Tm^3+, GdVO_4:Tm^3+, and LuVO_4:Tm^3+ crystals. Optics Letters, 2010, 35, 3940.	3.3	13
80	Luminescence spectroscopy of rare earth-doped oxychloride lead borate glasses. Journal of Luminescence, 2011, 131, 649-652.	3.1	13
81	Spectroscopic peculiarities of praseodymium impurities in Lu3Al5O12 single crystal. Journal of Alloys and Compounds, 2013, 550, 173-178.	5.5	13
82	Spectroscopic characterization of CaNb2O6 single crystal doped with samarium ions. Journal of Luminescence, 2014, 151, 123-129.	3.1	13
83	Spectroscopic, dielectric properties and local structure observation by EXAFS for Nd,Y:CaF‹sub›2‹/sub›crystal. Laser Physics, 2014, 24, 105703.	1.2	13
84	Sizeâ€Đependent Photon Avalanching in Tm‹sup›3+‹/sup› Doped LiYF‹sub›4‹/sub› Nano, Micro, and Bulk Crystals. Advanced Optical Materials, 2022, 10, .	7.3	13
85	Conversion of VUV to UV and visible in K5Li2LnF10 containing rare-earth from cerium group (Ln=La3+,) Tj ETQq1 1 0.784314 rgBT /O	1.4	12
86	Luminescence and energy transfer in K3GdF6:Pr3+. Journal of Alloys and Compounds, 2007, 438, 72-76.	5.5	12
87	Spectroscopic properties of new luminescent system based on vanadate(V) crystal doped with erbium ions. Journal of Luminescence, 2010, 130, 567-575.	3.1	12
88	Effect of temperature on optical spectra and relaxation dynamics of Sm3+ in Gd3Ga5O12 single crystals. Journal of Alloys and Compounds, 2014, 582, 208-212.	5.5	12
89	Spectroscopic characterization of Sm3+ doped (Lu0.4Gd0.6)2SiO5 single crystals. Optical Materials, 2014, 36, 740-745.	3.6	12
90	Luminescence and energy transfer phenomena in YVO4 single crystal co-doped with Tm3+ and Eu3+. Journal of Luminescence, 2015, 162, 134-139.	3.1	12

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91	Blue up-conversion with excitation into Tm ions at 808 nm in YVO4 crystals co-doped with thulium and ytterbium. Applied Physics B: Lasers and Optics, 2005, 81, 43-47.	2.2	11
92	Optical losses in YVO4: RE (RE = Nd3+, Er3+, Tm3+) laser crystals. Laser Physics, 2006, 16, 303-311.	1.2	11
93	Optical spectroscopy of U3+ doped KPb2Cl5 laser crystal. Optical Materials, 2007, 29, 1029-1034.	3.6	11
94	Luminescence and excitation energy transfer in rare earth-doped Y4Al2O9 nanocrystals. Optical Materials, 2009, 31, 1155-1162.	3.6	11
95	Luminescence properties of Pr3+ and Sm3+ ions in natural apatites. Physics and Chemistry of Minerals, 2010, 37, 425-433.	0.8	11
96	Erbium-doped lead silicate glass for near-infrared emission and temperature-dependent up-conversion applications. Opto-electronics Review, 2017, 25, 238-241.	2.4	11
97	Er^3+/Yb^3+ co-doped lead silicate glasses and their optical temperature sensing ability. Optics Express, 2017, 25, 28501.	3.4	11
98	Oxyfluoride silicate glasses and glass-ceramics doped with erbium and ytterbium - An examination of luminescence properties and up-conversion phenomena. Materials and Design, 2017, 126, 174-182.	7.0	10
99	Influence of excitation wavelengths on up-converted luminescence sensing behavior of Er3+ ions in lead-free germanate glass. Journal of Luminescence, 2018, 193, 34-38.	3.1	10
100	Optical spectra and excited state relaxation dynamics of Sm 2+ ions in SrCl 2 , SrBr 2 and SrI 2 crystals. Journal of Luminescence, 2018, 195, 159-165.	3.1	10
101	Spectroscopic peculiarities of excitation and emission processes as well as relaxation dynamic of excited states in doubly and triply doped Gd3Ga3Al2O12:Ln3+ (Ln3+=Eu3+, Tb3+, Ce3+) crystals. Optical Materials, 2019, 88, 492-499.	3.6	10
102	Spectroscopic properties of Dy3+ ions in La3Ga5.5Ta0.5O14 single crystal. Journal of Luminescence, 2020, 220, 116989.	3.1	10
103	Structural and Optical Properties of Nano-Sized K3Nd(PO4)2:Yb3+ Orthophosphate. Journal of Nanoscience and Nanotechnology, 2009, 9, 5164-5169.	0.9	9
104	Effect of substitution of lutetium by gadolinium on emission characteristics of (Lu_xGd_1-x)_2SiO_5: Sm^3+ single crystals. Optical Materials Express, 2014, 4, 739.	3.0	9
105	Spectroscopic properties of Er3+-doped fluorotellurite glasses containing various modifiers. Optical Materials, 2017, 73, 509-516.	3.6	9
106	Multi-component tellurite glasses doped with erbium for multi-model temperature sensing and optical amplification. Materials Research Bulletin, 2020, 132, 110996.	5.2	9
107	Phonon Sideband Analysis and Near-Infrared Emission in Heavy Metal Oxide Glasses. Materials, 2021, 14, 121.	2.9	9
108	Conversion of VUV to visible light and the structure of the 5d levels in K5Li2LaF10:Tb. Optical Materials, 2007, 30, 146-148.	3.6	8

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109	Optical spectroscopy and local structure of Er3+ luminescence centres in Đ¡aOâ€“Ga2O3â€“GeO2 glasses. Journal of Non-Crystalline Solids, 2008, 354, 4249-4255.	3.1	8
110	Optical study of single crystals grown by the Czochralski method from Yb3+-doped (Gd1â^'x Y x)2SiO5 solid solution. Applied Physics B: Lasers and Optics, 2010, 100, 493-498.	2.2	8
111	VUV and UVâ€“vis optical study on KGd2F7 luminescent host doped with terbium and co-doped with europium. Journal of Luminescence, 2013, 143, 293-297.	3.1	8
112	PbWO4 formation during controlled crystallization of lead borate glasses. Ceramics International, 2013, 39, 9151-9156.	4.8	8
113	Spectral transformation of infrared ultrashort pulses in laser crystals. Optical Materials, 2014, 36, 1745-1748.	3.6	8
114	Spectral and laser performance of a Tm 3+ :ScYSiO 5 crystal. Journal of Alloys and Compounds, 2017, 712, 412-417.	5.5	8
115	Spectroscopy of new Sm(III) orange emitting phosphors of the type Na[Sm(SP) 4], Na[Sm(WO) 4] (where SPÂ=ÂC 6 H 5 S(O) 2 NP(O)(OCH 3) 2 â^' ; WOÂ=ÂCl 3 C(O)NP(O)(OCH 3) 2 â^') and the polymeric materials obtained on their base. Optical Materials, 2017, 63, 32-41.	3.6	8
116	DFT study of electron absorption and emission spectra of pyramidal LnPc(OAc) complexes of some lanthanide ions in the solid state. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 196, 202-208.	3.9	8
117	Effect of temperature on up-conversion phenomena in Gd3(Al,Ga)5O12 crystals co-doped with Yb3+ and Tm3+. Journal of Luminescence, 2019, 216, 116721.	3.1	8
118	Molecular structure and spectroscopic properties of new neodymium complex with 3-bromo-2-chloro-6-picolinic N-oxide showing the ligand-to-metal energy transfer. Journal of Molecular Structure, 2021, 1223, 128967.	3.6	8
119	Spectroscopic and luminescent properties of the lithium tetraborate glass co-doped with Tm and Ag. Journal of Luminescence, 2020, 225, 117357.	3.1	8
120	Room temperature fluorescence and excited state dynamics in the near infrared and visible region of U3+ doped LaBr3 single crystals. Solid State Communications, 2006, 137, 59-62.	1.9	7
121	Luminescence characteristics of undoped and Eu-doped GdCa4O(BO3)3 single crystals and nanopowders. Crystal Research and Technology, 2007, 42, 1308-1313.	1.3	7
122	Influence of impurities and thermal treatment on spectroscopic properties and laser performance of thulium-doped yttrium vanadate crystals. Applied Physics B: Lasers and Optics, 2008, 90, 477-483.	2.2	7
123	Near infrared and visible luminescence of U3+-doped PbCl2 single crystals. Journal of Luminescence, 2008, 128, 185-189.	3.1	7
124	Up-conversion processes of rare earth ions in heavy metal glasses. Journal of Rare Earths, 2011, 29, 1192-1194.	4.8	7
125	Energy transfer processes from Yb3+ to Ln3+ (Ln=Er or Tm) in heavy metal glasses. Journal of Rare Earths, 2014, 32, 273-276.	4.8	7
126	Structural, optical and EPR studies of NaCe(PO3)4 metaphosphate doped with Cr3+. Journal of Luminescence, 2014, 146, 342-350.	3.1	7

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127	Luminescence and other spectroscopic properties of purple and green Cr-clinochlore. Physics and Chemistry of Minerals, 2014, 41, 115-126.	0.8	7
128	Crystal growth and spectroscopic properties of praseodymium and cerium co-doped Y2SiO5. Journal of Luminescence, 2014, 145, 547-552.	3.1	7
129	Spontaneous and stimulated emission in Sm3+-doped YAl3(BO3)4 single crystal. Journal of Luminescence, 2015, 167, 163-166.	3.1	7
130	Photophysical properties and ab initio HF and DFT calculations of the structure and spectroscopy of axially chloro substituted Yb(III) mono-phthalocyanines in different systems. Journal of Luminescence, 2018, 193, 84-89.	3.1	7
131	Optical and magnetic properties of neodymium(III) six-coordinate complexes of 2,6-lutidine N-oxide derivatives. Journal of Solid State Chemistry, 2019, 276, 294-301.	2.9	7
132	Down- and up-conversion of femtosecond light pulses into Pr3+ luminescence in LiTaO3:Pr3+ single crystal. Journal of Luminescence, 2020, 224, 117294.	3.1	7
133	Laser Refrigeration by an Ytterbiumâ€Doped NaYF₄ Microspinner. Small, 2021, 17, e2103122.	10.0	7
134	Spectroscopic properties of praseodymium-doped YVO4 crystal grown by the Czochralski technique. Journal of Alloys and Compounds, 2004, 380, 107-112.	5.5	6
135	Tunable lasers based on diode pumped Tm-doped vanadates Tm:YVO 4 , Tm:GdVO 4 , and Tm:LuVO 4. Proceedings of SPIE, 2008, , .	0.8	6
136	Effect of temperature on excited state relaxation dynamics and up-conversion phenomena in La3Ga5.5Ta0.5O14:Er3+ single crystals. Journal of Alloys and Compounds, 2014, 610, 451-455.	5.5	6
137	Structural, optical and EPR studies of Cr3+ doped Na3Ce(PO4)2 orthophosphate. Journal of Alloys and Compounds, 2014, 606, 124-131.	5.5	6
138	Optical study of Tm-doped solid solution (Sc0.5Y0.5)2SiO5 crystal. Journal of Crystal Growth, 2018, 487, 83-86.	1.5	6
139	Impact of temperature on excitation, emission and cross-relaxation processes of terbium ions in GGAG single crystal. Journal of Alloys and Compounds, 2019, 789, 409-415.	5.5	6
140	Spectroscopic and structural investigations of blue afwillite from Maâ€™ale Adummim locality, Palestinian Autonomy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 227, 117688.	3.9	6
141	Effect of Tb3+ concentration and co-doping with Ce3+ ions on luminescence characteristics of terbium-doped (Lu0.25Gd0.75)2SiO5 single crystals. Optical Materials, 2020, 107, 110155.	3.6	6
142	Infrared-to-visible conversion luminescence of Er3+ ions in lead borate transparent glass-ceramics. Optical Materials, 2009, 31, 1781-1783.	3.6	5
143	The afterglow effect of Mn-bearing natural LiAlSi2O6 spodumene crystals. Optical Materials, 2019, 96, 109321.	3.6	5
144	Spectroscopic properties of thulium doped (Lu0.25Gd0.75)2SiO5 (LGSO) single crystals. Journal of Luminescence, 2020, 220, 116962.	3.1	5

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145	Thermal, spectroscopic and optical sensor properties of oxyfluorotellurite glasses doped with holmium and ytterbium. Materials Research Bulletin, 2022, 153, 111909.	5.2	5
146	Spectroscopic properties of a Tm3+:Bi2TeO5 single crystal. Crystal Research and Technology, 2007, 42, 1335-1340.	1.3	4
147	Excited state absorption in thulium doped YVO4 crystals. Applied Physics B: Lasers and Optics, 2008, 91, 65-70.	2.2	4
148	Luminescence properties of Sn2P2Se6 crystals. Optical Materials, 2009, 31, 1831-1834.	3.6	4
149	Luminescence properties of the Ca-alpha-sialon:Eu solid solution. Optical Materials, 2016, 59, 43-48.	3.6	4
150	Spectral and energetic transformation of femtosecond light impulses in the Eu3+ complex with dehydroacetic acid. Journal of Luminescence, 2018, 198, 471-481.	3.1	4
151	Synergy between NIR luminescence and thermal emission toward highly sensitive NIR operating emissive thermometry. Scientific Reports, 2020, 10, 19692.	3.3	4
152	Some Complementary Data about the Spectroscopic Properties of Manganese Ions in Spodumene Crystals. Minerals (Basel, Switzerland), 2020, 10, 554.	2.0	4
153	Luminescence Properties of Tetrahedral Coordinated Mn2+; Genthelvite and Willemite Examples. Minerals (Basel, Switzerland), 2021, 11, 1215.	2.0	4
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