

Rolindes Balda

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Properties of Nd ³⁺ -doped and undoped tetragonal PbWO ₄ , NaY(WO ₄) ₂ , CaWO ₄ , and undoped monoclinic ZnWO ₄ and CdWO ₄ as laser-active and stimulated Raman scattering-active crystals. Applied Optics, 1999, 38, 4533.	2.1	270
2	Time-resolved fluorescence-line narrowing and energy-transfer studies in aEu ³⁺ -doped fluorophosphate glass. Physical Review B, 1996, 54, 12076-12086.	1.1	109
3	Laser spectroscopy of Nd ³⁺ ions in GeO ₂ -PbO-Bi ₂ O ₃ glasses. Physical Review B, 2000, 61, 3384-3390.	1.1	103
4	Anti-Stokes Laser Cooling in Bulk Erbium-Doped Materials. Physical Review Letters, 2006, 97, 033001.	2.9	100
5	Laser action and upconversion of Nd ³⁺ in tellurite bulk glass. Journal of Non-Crystalline Solids, 2007, 353, 990-992.	1.5	76
6	Upconversion processes in Er ³⁺ -doped KPb ₂ Cl ₅ . Physical Review B, 2004, 69, .	1.1	73
7	Infrared-to-visible upconversion in Nd ³⁺ -doped chalcogenide glasses. Physical Review B, 2001, 64, .	1.1	68
8	Spectroscopy and concentration quenching of the infrared emissions in Tm ³⁺ -doped TeO ₂ -TiO ₂ -Nb ₂ O ₅ glass. Optics Express, 2007, 15, 6750.	1.7	68
9	Upconversion luminescence of transparent Er ³⁺ -doped chalcogenide glass-ceramics. Optical Materials, 2009, 31, 760-764.	1.7	68
10	Anti-Stokes laser cooling in Yb ³⁺ -doped KPb ₂ Cl ₅ crystal. Optics Letters, 2002, 27, 1525.	1.7	67
11	Anti-Stokes laser-induced internal cooling of Yb ³⁺ -doped glasses. Physical Review B, 2000, 62, 3213-3217.	1.1	64
12	Near-infrared emission and upconversion in Er ³⁺ -doped TeO ₂ -ZnO-ZnF ₂ glasses. Journal of Luminescence, 2013, 140, 38-44.	1.5	64
13	Rare earths in nanocrystalline glass-ceramics. Optical Materials, 2005, 27, 1762-1770.	1.7	62
14	Stimulated and upconverted emissions of Nd ³⁺ in a transparent oxyfluoride glass-ceramic. Optical Materials, 2004, 25, 201-208.	1.7	60
15	Infrared-to-visible upconversion of Er ³⁺ ions in GeO ₂ -PbO-Nb ₂ O ₅ glasses. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 744.	0.9	60
16	Lanthanide(III)/Pyrimidine-4,6-dicarboxylate/Oxalate Extended Frameworks: A Detailed Study Based on the Lanthanide Contraction and Temperature Effects. Inorganic Chemistry, 2011, 50, 8437-8451.	1.9	60
17	Laser spectroscopy of Pr ³⁺ ions in LiKY _{1-x} Pr _x F ₅ single crystals. Physical Review B, 1999, 59, 9972-9980.	1.1	58
18	Optical spectroscopy of Tm ³⁺ ions in GeO ₂ -PbO-Nb ₂ O ₅ glasses. Optical Materials, 2005, 27, 1771-1775.	1.7	57

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19	Spectroscopic properties of the 1.4 μm emission of Tm^{3+} ions in $\text{TeO}_2\text{-WO}_3\text{-PbO}$ glasses. <i>Optics Express</i> , 2008, 16, 11836.	1.7	56
20	Infrared-to-visible upconversion processes in $\text{Pr}^{3+}/\text{Yb}^{3+}$ -codoped KPb_2Cl_5 . <i>Physical Review B</i> , 2003, 68, .	1.1	55
21	Enhancement of the Luminescent Properties of a New Red-Emitting Phosphor, $\text{Mn}^{2+}(\text{HPO}_3)_2\text{F}_2$, by Zn Substitution. <i>Inorganic Chemistry</i> , 2011, 50, 12463-12476.	1.9	54
22	Ultrafast random laser emission in a dye-doped silica gel powder. <i>Optics Express</i> , 2008, 16, 12251.	1.7	52
23	New data on the physical properties of $\text{Y}_3\text{Al}_5\text{O}_{12}$ -based nanocrystalline laser ceramics. <i>Crystallography Reports</i> , 2003, 48, 515-519.	0.1	49
24	Study of broadband near-infrared emission in $\text{Tm}^{3+}\text{-Er}^{3+}$ codoped $\text{TeO}_2\text{-WO}_3\text{-PbO}$ glasses. <i>Optics Express</i> , 2009, 17, 8781.	1.7	49
25	Structural, optical, and spectroscopic properties of Er^{3+} -doped $\text{TeO}_2\text{-ZnO-ZnF}_2$ glass-ceramics. <i>Journal of the European Ceramic Society</i> , 2014, 34, 3959-3968.	2.8	49
26	Spectroscopic and laser properties of Nd^{3+} in BiGaZLuTMn fluoride glass. <i>IEEE Journal of Quantum Electronics</i> , 1994, 30, 1862-1867.	1.0	48
27	Spectroscopy and frequency upconversion in Nd^{3+} -doped $\text{TeO}_2\text{-TiO}_2\text{-Nb}_2\text{O}_5$ glass. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 086223.	0.7	47
28	Spectroscopic properties of new Yb^{3+} -doped $\text{K}_5\text{Bi}(\text{MoO}_4)_4$ crystals. <i>Journal of Luminescence</i> , 2003, 102-103, 318-326.	1.5	46
29	Spectroscopic properties of Pr^{3+} ions in lead germanate glass. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 7411-7421.	0.7	45
30	Infrared to visible upconversion of Er^{3+} and $\text{Er}^{3+}/\text{Yb}^{3+}$ codoped lead-niobium-germanate glasses. <i>Optical Materials</i> , 2004, 25, 157-163.	1.7	44
31	Efficient $\text{Nd}^{3+}\text{-Yb}^{3+}$ energy transfer in $0.8\text{CaSiO}_3\text{-}0.2\text{Ca}_3(\text{PO}_4)_2$ eutectic glass. <i>Optics Express</i> , 2010, 18, 13842.	1.7	44
32	Synthetic Control to Achieve Lanthanide(III)/Pyrimidine-4,6-dicarboxylate Compounds by Preventing Oxalate Formation: Structural, Magnetic, and Luminescent Properties. <i>Inorganic Chemistry</i> , 2012, 51, 7875-7888.	1.9	44
33	Visible luminescence in $\text{KPb}_2\text{Cl}_5:\text{Pr}^{3+}$ crystal. <i>Journal of Luminescence</i> , 2002, 97, 190-197.	1.5	43
34	Spectroscopy and frequency upconversion of Er^{3+} ions in lead niobium germanate glasses. <i>Optical Materials</i> , 2003, 24, 83-90.	1.7	42
35	Laser action and upconversion of Nd^{3+} in lead-niobium-germanate bulk glass. <i>Optical Materials</i> , 2004, 25, 185-191.	1.7	42
36	Investigation of site-selective symmetries of Eu^{3+} ions in KPb_2Cl_5 by using optical spectroscopy. <i>Optics Express</i> , 2005, 13, 2141.	1.7	42

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37	Effect of the heat treatment on the spectroscopic properties of Er ³⁺ -Yb ³⁺ -doped transparent oxyfluoride nano-glass-ceramics. <i>Journal of Luminescence</i> , 2018, 193, 51-60.	1.5	42
38	Transparent Glass-Ceramics Produced by Sol-Gel: A Suitable Alternative for Photonic Materials. <i>Materials</i> , 2018, 11, 212.	1.3	42
39	Site-selective spectroscopy of Eu ³⁺ ions in fluoride glasses. <i>Journal of Luminescence</i> , 1994, 59, 81-87.	1.5	41
40	Sustainable luminescent solar concentrators based on organic-inorganic hybrids modified with chlorophyll. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8712-8723.	5.2	38
41	On the origin of bichromatic laser emission in Nd ³⁺ -doped fluoride glasses. <i>Optics Express</i> , 2008, 16, 11894.	1.7	37
42	Selective excitation in transparent oxyfluoride glass-ceramics doped with Nd ³⁺ . <i>Journal of the European Ceramic Society</i> , 2017, 37, 1695-1706.	2.8	37
43	Temperature-dependent concentration quenching and site-dependent effects of Nd ³⁺ fluorescence in fluorophosphate glasses. <i>Physical Review B</i> , 1996, 53, 5181-5189.	1.1	36
44	Spectroscopic properties of Er ³⁺ -doped fluorotellurite glasses. <i>Optical Materials</i> , 2013, 35, 2039-2044.	1.7	36
45	Spectral study of the stimulated emission of Nd ³⁺ in fluorotellurite bulk glass. <i>Optics Express</i> , 2013, 21, 9298.	1.7	36
46	Temperature-dependent concentration quenching of Nd ³⁺ fluorescence in fluoride glasses. <i>Journal of Physics Condensed Matter</i> , 1994, 6, 913-924.	0.7	35
47	Nd ³⁺ laser spectral dynamics in CaF ₂ :YF ₃ :NdF ₃ crystals. <i>Optical Materials</i> , 1999, 13, 9-16.	1.7	35
48	Effect of concentration on the infrared emissions of Tm ³⁺ ions in lead niobium germanate glasses. <i>Optical Materials</i> , 2006, 28, 1253-1257.	1.7	33
49	Luminescence thermal quenching of Cr ³⁺ in zirconium-barium-based fluoride glasses investigated by time-resolved laser spectroscopy. <i>Physical Review B</i> , 1991, 44, 4759-4770.	1.1	32
50	Upconversion processes in Nd ³⁺ -doped fluorochloride glass. <i>Journal of Non-Crystalline Solids</i> , 2001, 287, 437-443.	1.5	30
51	Infrared to visible upconversion of Nd ³⁺ ions in KPb ₂ Br ₅ low phonon crystal. <i>Optics Express</i> , 2006, 14, 3993.	1.7	30
52	Random lasing in Nd:LuVO ₄ crystal powder. <i>Optics Express</i> , 2011, 19, 19591.	1.7	30
53	Real time random laser properties of Rhodamine-doped di-ureasil hybrids. <i>Optics Express</i> , 2010, 18, 7470.	1.7	29
54	Spectroscopy and frequency upconversion of Er ³⁺ ions in fluorotellurite glasses. <i>Optical Materials</i> , 2011, 34, 481-486.	1.7	29

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55	Random laser properties of Nd ³⁺ crystal powders. Optics Express, 2018, 26, 11787.	1.7	29
56	Spectroscopic properties of Pr ³⁺ ions in fluorophosphate glass. Optical Materials, 1999, 13, 159-165.	1.7	27
57	Spectroscopy and optical characterization of thulium doped TZN glasses. Journal Physics D: Applied Physics, 2010, 43, 135104.	1.3	27
58	Optical properties of Cr ³⁺ and Nd ³⁺ in singly- and doubly-doped barium-indium-gallium-based fluoride glass investigated by time-resolved laser spectroscopy. Physical Review B, 1992, 46, 5169-5182.	1.1	26
59	Upconversion cooling of Er-doped low-phonon fluorescent solids. Physical Review B, 2009, 79, .	1.1	26
60	Random laser performance of Nd ³⁺ :Y _{1-x} Al ₃ (BO ₃) ₄ laser crystal powders. Optical Materials, 2011, 34, 461-464.	1.7	26
61	Novel Tm ³⁺ -doped fluorotellurite glasses with enhanced quantum efficiency. Optical Materials, 2011, 33, 428-437.	1.7	26
62	Laser action in Nd ³⁺ -doped lanthanum oxysulfide powders. Optics Express, 2012, 20, 23690.	1.7	26
63	Transparent oxyfluoride glass-ceramics with NaGdF ₄ nanocrystals doped with Pr ³⁺ and Pr ³⁺ -Yb ³⁺ . Journal of Luminescence, 2018, 193, 61-69.	1.5	26
64	Upconversion processes in Pr ³⁺ -doped chalcogenide glasses. Journal of Physics Condensed Matter, 2001, 13, 10347-10358.	0.7	25
65	Low temperature red luminescence of a fluorinated Mn-doped zinc selenite. Dalton Transactions, 2013, 42, 12481.	1.6	25
66	Speckle-free near-infrared imaging using a Nd ³⁺ random laser. Laser Physics Letters, 2017, 14, 106201.	0.6	25
67	Energy transfer and upconversion processes in Nd ³⁺ -doped GeO ₂ -PbO-Nb ₂ O ₅ glass. Journal of the Optical Society of America B: Optical Physics, 2000, 17, 1671.	0.9	24
68	Infrared to visible and ultraviolet upconversion processes in Nd ³⁺ -doped potassium lead chloride crystal. Optical Materials, 2004, 26, 351-357.	1.7	24
69	Effect of Tm ³⁺ codoping on the near-infrared and upconversion emissions of Er ³⁺ in TeO ₂ -ZnO-ZnF ₂ glasses. Journal of Luminescence, 2014, 154, 136-141.	1.5	24
70	Transparent SiO ₂ -GdF ₃ sol-gel nano-glass ceramics for optical applications. Journal of Sol-Gel Science and Technology, 2019, 89, 322-332.	1.1	24
71	Infrared to visible upconversion in Pr ³⁺ -doped KPb ₂ Cl ₅ crystal. Optical Materials, 2003, 24, 91-95.	1.7	23
72	Spectroscopic properties of rare earths in K ₅ Bi _{1-x} (RE) (MoO ₄) ₄ crystals. Journal of Alloys and Compounds, 1998, 275-277, 214-218.	2.8	22

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73	Optical spectroscopic study of Eu ³⁺ crystal field sites in Na ₃ La ₉ O ₃ (BO ₃) ₈ crystal. Optics Express, 2008, 16, 2653.	1.7	22
74	Down- and up-conversion emissions in Er ³⁺ /Yb ³⁺ codoped TeO ₂ /ZnO/ZnF ₂ glasses. Journal of Luminescence, 2015, 158, 142-148.	1.5	22
75	Random Laser Action in Nd:YAG Crystal Powder. Materials, 2016, 9, 369.	1.3	22
76	Site symmetry and host sensitization-dependence of Eu ³⁺ real time luminescence in tin dioxide nanoparticles. Optics Express, 2018, 26, 16155.	1.7	22
77	Energy transfer and frequency upconversion in Pr ³⁺ -doped fluorophosphate glass. Journal of Non-Crystalline Solids, 1999, 256-257, 299-303.	1.5	21
78	K ₅ Nd(MoO ₄) ₄ : a self-tunable laser crystal. Optics Letters, 2003, 28, 1341.	1.7	21
79	Crystal growth of rare-earth-doped ternary potassium lead chloride single crystals by the Bridgman method. Optical Materials, 2004, 26, 359-363.	1.7	21
80	Dynamics of the infrared-to-visible upconversion in an Er ³⁺ -doped KPb ₂ Br ₅ crystal. Physical Review B, 2005, 72, .	1.1	21
81	Spectroscopic study of Nd ³⁺ /Yb ³⁺ in disordered potassium bismuth molybdate laser crystals. Optical Materials, 2006, 28, 1247-1252.	1.7	21
82	Broadband laser tunability of Nd ³⁺ ions in 08CaSiO ₃ -02Ca ₃ (PO ₄) ₂ eutectic glass. Optics Express, 2009, 17, 4382.	1.7	21
83	Transparent Sol-Gel Oxyfluoride Glass-Ceramics with High Crystalline Fraction and Study of RE Incorporation. Nanomaterials, 2019, 9, 530.	1.9	21
84	Infrared-to-visible upconversion in K ₅ Nd(MoO ₄) ₄ stoichiometric laser crystal. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 2911.	0.9	20
85	Diffusive random laser modes under a spatiotemporal scope. Optics Express, 2015, 23, 1456.	1.7	20
86	Oxyfluoride glass/ceramic fibers doped with Nd ³⁺ : structural and optical characterization. CrystEngComm, 2017, 19, 6620-6629.	1.3	20
87	Transparent glass-ceramics of sodium lutetium fluoride co-doped with erbium and ytterbium. Journal of Non-Crystalline Solids, 2018, 501, 136-144.	1.5	20
88	Optical spectroscopy of Cr ³⁺ doped fluoride BiGaZr glass. Journal of Luminescence, 1991, 47, 207-216.	1.5	19
89	On the origin of anti-Stokes laser-induced cooling of Yb ³⁺ -doped glass. Optical Materials, 2001, 16, 173-179.	1.7	19
90	Laser spectroscopy and upconversion studies of Pr ³⁺ -doped halide modified sulfide glasses. Optical Materials, 2001, 16, 249-254.	1.7	19

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91	Low threshold random lasing in dye-doped silica nano powders. Optics Express, 2009, 17, 13202.	1.7	19
92	Optical Properties of Transparent Glass-Ceramics Containing Er ³⁺ -Doped Sodium Lutetium Fluoride Nanocrystals. International Journal of Applied Glass Science, 2016, 7, 27-40.	1.0	19
93	Laser dynamics and upconversion processes in Nd ³⁺ -doped yttrium fluoride crystals. Optical Materials, 2005, 27, 1697-1703.	1.7	18
94	The influence of chlorine ion on the spectroscopic properties of and -doped fluorochloride glass. Journal of Physics Condensed Matter, 1998, 10, 4985-5006.	0.7	17
95	Spectroscopy and orange-blue frequency upconversion in Pr ³⁺ -doped GeO ₂ -PbO-Nb ₂ O ₅ glass. Journal of Physics Condensed Matter, 2000, 12, 10623-10632.	0.7	17
96	Upconversion losses in Nd-doped fluoroarsenate glasses. Journal of Luminescence, 2001, 94-95, 325-329.	1.5	17
97	Laser properties of Nd ³⁺ in K ₅ Nd(MoO ₄) ₄ stoichiometric disordered crystal. Optical Materials, 2001, 16, 227-231.	1.7	17
98	Site-selective laser spectroscopy of Nd ³⁺ ions in 0.8CaSiO ₃ -0.2Ca ₃ (PO ₄) ₂ biocompatible eutectic glass-ceramics. Optics Express, 2012, 20, 10701.	1.7	17
99	On the temporal behavior of Nd ³⁺ random lasers. Optics Letters, 2013, 38, 3646.	1.7	17
100	Phase evolution of KLaF ₄ nanocrystals and their effects on the photoluminescence of Nd ³⁺ doped transparent oxyfluoride glass-ceramics. CrystEngComm, 2018, 20, 5760-5771.	1.3	17
101	Tunable upconversion emission in NaLuF ₄ glass-ceramic fibers doped with Er ³⁺ and Yb ³⁺ . RSC Advances, 2019, 9, 31699-31707.	1.7	17
102	Nd ³⁺ optical multisites in the Ca ₃ (Nb,Ga) ₂ Ga ₃ O ₁₂ laser garnet crystal. Optical Materials, 1995, 4, 713-716.	1.7	16
103	Site selective spectroscopy of Eu ³⁺ in heavy-metal oxide glasses. Journal of Non-Crystalline Solids, 2006, 352, 2448-2451.	1.5	16
104	Influence of Upconversion Processes in the Optically-Induced Inhomogeneous Thermal Behavior of Erbium-Doped Lanthanum Oxysulfide Powders. Materials, 2016, 9, 353.	1.3	16
105	Synthesis and properties of Nd-doped oxynitride phosphate laser glasses. Journal of Non-Crystalline Solids, 2017, 473, 125-131.	1.5	16
106	Optical and Electro-Optical Materials Prepared by the Sol-Gel Method. Advanced Materials, 2011, 23, 5318-5323.	11.1	15
107	Spectroscopy of thulium and holmium heavily doped tellurite glasses. Journal of Luminescence, 2012, 132, 270-276.	1.5	15
108	Stress-induced buried waveguides in the 0.8CaSiO ₃ -0.2Ca ₃ (PO ₄) ₂ eutectic glass doped with Nd ³⁺ ions. Applied Surface Science, 2013, 278, 289-294.	3.1	15

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109	Time-resolved fluorescence line-narrowing of Eu ³⁺ in biocompatible eutectic glass-ceramics. Optics Express, 2013, 21, 6561.	1.7	15
110	Effects of pumping wavelength and pump density on the random laser performance of stoichiometric Nd crystal powders. Optics Express, 2014, 22, 27365.	1.7	15
111	Novel sol-gel SiO ₂ -NaGdF ₄ transparent nano-glass-ceramics. Journal of Non-Crystalline Solids, 2019, 520, 119447.	1.5	15
112	Characterization of light scattering in translucent ceramics. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 43.	0.9	14
113	Spectroscopic properties and frequency upconversion of Er ³⁺ -doped 0.8CaSiO ₃ â€“0.2Ca ₃ (PO ₄) ₂ eutectic glass. Optical Materials, 2009, 31, 1105-1108.	1.7	14
114	Novel approach towards cross-relaxation energy transfer calculation applied on highly thulium doped tellurite glasses. Optics Express, 2011, 19, 26269.	1.7	14
115	Spontaneous and stimulated emission spectroscopy of a Nd(3+)-doped phosphate glass under wavelength selective pumping. Optics Express, 2011, 19, 19440-53.	1.7	14
116	Luminescence study of chromium (III) in Zirconium Barium Fluoride glass (ZBLA). Journal of Luminescence, 1990, 45, 87-89.	1.5	13
117	Antiresonances in the excitation and absorption spectra of Cr ³⁺ -doped fluoride glasses. Physical Review B, 1993, 47, 8411-8417.	1.1	13
118	Time resolved spectroscopy of laser output of Nd ³⁺ doped calcium, niobium, gallium garnet. Optics Communications, 1995, 118, 562-564.	1.0	13
119	Site-selective spectroscopy and infrared-to-visible upconversion in a Nd ³⁺ -doped Pb ₅ Al ₃ F ₁₉ crystal. Journal of Alloys and Compounds, 2001, 323-324, 267-272.	2.8	13
120	Optical properties of Pr ³⁺ -doped lithium tetraborate glasses. Journal of Alloys and Compounds, 2001, 323-324, 250-254.	2.8	13
121	Origin of laser-induced internal cooling of Yb ³⁺ -doped systems. , 2002, 4645, 135.		13
122	Near infrared to visible upconversion of Er ³⁺ in CaZrO ₃ /CaSZ eutectic crystals with ordered lamellar microstructure. Journal of Luminescence, 2009, 129, 1422-1427.	1.5	13
123	Er ³⁺ -doped fluorotellurite thin film glasses with improved photoluminescence emission at 1.53 Âµm. Journal of Luminescence, 2016, 170, 778-784.	1.5	13
124	80SiO ₂ â€“20LaF ₃ oxyfluoride glass ceramic coatings doped with Nd ³⁺ for optical applications. International Journal of Applied Glass Science, 2018, 9, 208-217.	1.0	13
125	Steady-state and time resolved laser spectroscopy of Cr ³⁺ in lead-based fluoride glasses. Journal of Physics Condensed Matter, 1991, 3, 7695-7708.	0.7	12
126	First observations of stimulated emission and of stimulated Raman scattering in acentric cubic Nd ³⁺ :Bi ₁₂ SiO ₂₀ crystals. Quantum Electronics, 1999, 29, 6-8.	0.3	12

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127	Laser spectral dynamics of Nd ³⁺ in CaF ₂ ∕YF ₃ crystals. Journal of the Optical Society of America B: Optical Physics, 1999, 16, 1439.	0.9	12
128	Anti-Stokes laser-induced cooling in rare-earth doped low phonon materials. Optical Materials, 2012, 34, 579-590.	1.7	12
129	Site-selective symmetries of Eu ³⁺ -doped BaTiO ₃ ceramics: a structural elucidation by optical spectroscopy. Journal of Materials Chemistry C, 2019, 7, 13976-13985.	2.7	12
130	Steady-state and time-resolved laser spectroscopy of Cr ³⁺ and Nd ³⁺ singly and doubly doped calcium niobium gallium garnet. Physical Review B, 1993, 48, 9279-9290.	1.1	11
131	Spectroscopic and laser properties of Nd ³⁺ in fluoride glasses. Optical Materials, 1994, 4, 91-97.	1.7	11
132	Crystal field studies in Eu ³⁺ doped Bi ₁₂ SiO ₂₀ and Bi ₁₂ SiO ₂₀ :V ⁵⁺ single crystals. Journal of Alloys and Compounds, 2001, 323-324, 260-266.	2.8	11
133	Up-conversion processes in Nd ³⁺ -doped chloro-sulfide glasses. Journal of Non-Crystalline Solids, 2001, 284, 268-273.	1.5	11
134	Upconversion processes in Er ³⁺ -doped fluoroarsenate glasses. Journal of Non-Crystalline Solids, 2003, 326-327, 330-334.	1.5	11
135	Origin of the infrared to visible upconversion mechanisms in Nd ³⁺ -doped potassium lead chloride crystal. Optical Materials, 2005, 27, 1704-1710.	1.7	11
136	Laser spectroscopy of Nd ³⁺ ions in glasses with the 0.8CaSiO ₃ ∕0.2Ca ₃ (PO ₄) ₂ eutectic composition. Optical Materials, 2009, 31, 1319-1322.	1.7	11
137	Fluorescence line narrowing spectroscopy of Eu ³⁺ in TeO ₂ ∕TiO ₂ ∕Nb ₂ O ₅ glass. Optical Materials, 2009, 31, 1092-1095.	1.7	11
138	Laser cooling of Er ³⁺ -doped low-phonon materials: Current status and outlook. Optical Materials, 2009, 31, 1075-1081.	1.7	11
139	Random laser action in stoichiometric Nd ₃ Ga ₅ O ₁₂ garnet crystal powder. Laser Physics Letters, 2016, 13, 035402.	0.6	11
140	Influence of grain size and Nd ³⁺ concentration on the stimulated emission of LiLa _{1-x} Nd _x P ₄ O ₁₂ crystal powders. Optical Materials, 2017, 63, 46-50.	1.7	11
141	A new sol-gel route towards Nd ³⁺ -doped SiO ₂ ∕LaF ₃ glass-ceramics for photonic applications. Materials Advances, 2020, 1, 3589-3596.	2.6	11
142	Structural and optical properties in Tm ³⁺ /Tm ³⁺ ∕Yb ³⁺ doped NaLuF ₄ glass-ceramics. International Journal of Applied Glass Science, 2021, 12, 485-496.	1.0	11
143	Cr ³⁺ ∕Nd ³⁺ energy transfer in fluorophosphate glass investigated by time-resolved laser spectroscopy. Physical Review B, 1993, 48, 2941-2948.	1.1	10
144	Room-temperature picosecond high-order stimulated Raman scattering in laser garnet crystal hosts Gd ₃ Ga ₅ O ₁₂ , Gd ₃ Sc ₂ Ga ₃ O ₁₂ , and Ca ₃ (Nb,Ga) ₂ Ga ₃ O ₁₂ . Quantum Electronics, 1998, 28, 939-941.	0.3	10

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145	Site-selective spectroscopy of Nd ³⁺ ions in heavy metal oxide glasses. Journal of Non-Crystalline Solids, 1999, 256-257, 271-275.	1.5	10
146	Upconversion processes in Nd ³⁺ -doped fluoroarsenate glasses. Journal of Alloys and Compounds, 2001, 323-324, 255-259.	2.8	10
147	Laser-induced internal cooling of Yb ³⁺ -doped fluoride-based glasses. Journal of Alloys and Compounds, 2001, 323-324, 239-244.	2.8	10
148	Optical properties of Yb ³⁺ ions in halogeno-sulphide glasses. Optical Materials, 2005, 27, 1748-1753.	1.7	10
149	Time-resolved random laser spectroscopy of inhomogeneously broadened systems. Laser and Photonics Reviews, 2014, 8, L32.	4.4	10
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151	Spectroscopy of Nd ³⁺ ions in new rare-earth-rich fluoroarsenate glasses. Journal of Non-Crystalline Solids, 1999, 256-257, 390-395.	1.5	9
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