Ck Jayasankar

List of Publications by Year
in descending order

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183 papers	8,660 citations	25034 57 h-index	56724 83 g-index
183 all docs	183 docs citations	183 times ranked	3121 citing authors

#	Article	IF	Citations
1	Spectral studies of Dy3+:zincphosphate glasses for white light source emission applications: A comparative study. Journal of Non-Crystalline Solids, 2022, 583, 121466.	3.1	84
2	Photoluminescence characteristics of Ln3+-doped phosphors derived from sustainable resources for solid state lightning applications. Optik, 2022, 264, 169360.	2.9	5
3	Spectral investigations of Nd3+:Ba(PO3)2+La2O3 glasses for infrared laser gain media applications. Optical Materials, 2022, 129, 112482.	3.6	49
4	Agricultural waste for the development of low cost Ca2SiO4:Pr3+ phosphors. Journal of Luminescence, 2022, 250, 119059.	3.1	4
5	A critical review and future prospects of Dy3+-doped glasses for white light emission applications. Optik, 2022, 266, 169583.	2.9	16
6	Exploring thermal, optical, structural and luminescent properties of gamma irradiated Dy3+doped tellurite glasses: Photon shielding properties. Radiation Physics and Chemistry, 2022, 199, 110375.	2.8	5
7	Intense red emission via energy transfer from (Ce3+/Eu3+):P2O5+NaF+CaF2+AlF3 glasses for warm light sources. Ceramics International, 2021, 47, 1962-1969.	4.8	22
8	Effect of gamma irradiation on physical, optical, spectroscopic and structural properties of Er3+-doped vitreous zinc borotellurite. Journal of Luminescence, 2021, 235, 118031.	3.1	7
9	Optical and white light emission properties of Dy3+ ions doped zinc oxyfluorotellurite glasses. Physica B: Condensed Matter, 2021, 614, 413037.	2.7	11
10	Visible to infrared emission from (Eu3+/Nd3+):B2O3Â+ÂAlF3Â+ÂNaFÂ+ÂCaF2 glasses for luminescent solar converters. Optics and Laser Technology, 2021, 141, 107170.	4.6	15
11	Red, Green, Blue and IR emitting zirconium Titanate nano composite co-doped with Er3+/Tm3+/Yb3+ synthesized by combustion synthesis. Optical Materials, 2021, 121, 111534.	3.6	1
12	Down conversion studies in Ce3+ and Yb3+ doped Ca2SiO4 phosphors from agricultural waste: Si based solar cell applications. Optical Materials, 2021, 122, 111700.	3.6	4
13	Thermal, structural, mechanical and 1.8â€Î¼m luminescence properties of the thulium doped Pb-K-Al-Na glasses for optical fiber amplifiers. Journal of Non-Crystalline Solids, 2020, 530, 119773.	3.1	13
14	Novel reddish-orange color emitting Ca2SiO4:Sm3+ phosphors for white LED applications prepared by using agricultural waste. Journal of Luminescence, 2020, 221, 116996.	3.1	27
15	Influence of heat treatment on spectroscopic and structural properties of vitreous Er3+-doped zinc borotellurite. Journal of Non-Crystalline Solids, 2020, 530, 119842.	3.1	6
16	Photoluminescence and energy transfer studies in Ce3+ and Sm3+ activated P2O5+K2O+Al2O3+BaF2+NaF2 glasses for solid state lighting. Optical Materials, 2020, 99, 109576.	3.6	14
17	Energy transfer and red fluorescence properties of (Ce3+/Eu3+):Fluorophosphate glasses for lighting applications. Journal of Non-Crystalline Solids, 2020, 549, 120333.	3.1	6
18	Spectral characteristics of Pr3+-doped lead based phosphate glasses for optical display device applications. Journal of Luminescence, 2020, 228, 117585.	3.1	94

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19	Theoretical calculations and experimental investigations of lead phosphate glasses singly doped with Pr3+ and Tm3+ ions using luminescence spectroscopy. Journal of Alloys and Compounds, 2020, 842, 155801.	5.5	12
20	Er3+ activated and Yb3+ sensitized upconversion photoluminesecse in zirconium titanate nano powders. Solid State Sciences, 2020, 105, 106232.	3.2	5
21	Optical characteristics of (Eu3+,Nd3+) co-doped leadfluorosilicate glasses for enhanced photonic device applications. Journal of Luminescence, 2020, 223, 117210.	3.1	10
22	Enhancement of 1.8â€Î¼m emission in Er3+/Tm3+ co-doped tellurite glasses: Role of energy transfer and dual wavelength pumping schemes. Journal of Alloys and Compounds, 2020, 827, 154038.	5.5	17
23	Near-infrared and upconversion luminescence of Tm3+ and Tm3+/Yb3+-doped oxyfluorosilicate glasses. Journal of Non-Crystalline Solids, 2019, 507, 1-10.	3.1	40
24	Spectroscopic, thermal and structural investigations of Dy3+ activated zinc borotellurite glasses and nano-glass-ceramics for white light generation. Journal of Non-Crystalline Solids, 2019, 521, 119472.	3.1	39
25	Spectroscopic investigations of Nd3+ ions in niobium phosphate glasses for laser applications. Journal of Luminescence, 2019, 211, 233-242.	3.1	29
26	Spectroscopic investigations on multi-channel visible and NIR emission of Sm3+-doped alkali-alkaline earth fluoro phosphate glasses. Optical Materials, 2019, 91, 7-16.	3.6	27
27	Tb3+-doped WO3 thin films: A potential candidate in white light emitting devices. Journal of Alloys and Compounds, 2019, 788, 429-445.	5.5	28
28	Conversion of blue-green photon into NIR photons in Ho3+/Yb3+ co-doped zinc tellurite glasses. Journal of Alloys and Compounds, 2019, 788, 1048-1055.	5.5	17
29	Raman and photoluminescence studies of europium doped zinc-fluorophosphate glasses for photonic applications. Journal of Non-Crystalline Solids, 2019, 505, 115-121.	3.1	24
30	Luminescence and energy transfer studies of Ce3+/Dy3+ doped fluorophosphate glasses. Journal of Luminescence, 2019, 208, 89-98.	3.1	25
31	Investigation of modifier effect on the spectroscopic properties of Sm3+ ions in binary boroâ€'bismuth glasses. Journal of Non-Crystalline Solids, 2019, 505, 367-378.	3.1	15
32	Photoluminescence, Î³-irradiation and X-ray induced luminescence studies of Sm3+-doped oxyfluorosilicate glasses and glass-ceramics. Ceramics International, 2018, 44, 6104-6114.	4.8	34
33	Spectroscopic investigations on high efficiency deep red-emitting Ca2SiO4:Eu3+ phosphors synthesized from agricultural waste. Ceramics International, 2018, 44, 14063-14069.	4.8	42
34	Influence of Bi3+ ions on optical and luminescence properties of multi- component P2O5â"€PbOâ"€Ga2O3 â"€Pr2O3 glass system. Optical Materials, 2018, 77, 178-186.	3.6	7
35	Spectral investigations of Sm3+/Yb3+: TeO2Â+ ZnOÂ+ Nb2O5Â+TiO2 glasses for the conversion of Si -based solar cell applications. Journal of Alloys and Compounds, 2018, 750, 420-427.	5.5	6
36	Enhanced visible emissions of Pr3+-doped oxyfluoride transparent glass-ceramics containing SrF2 nanocrystals. Ceramics International, 2018, 44, 1737-1743.	4.8	34

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37	Synthesis and photoluminescence properties of Sr0.95Ba0.05La2-xO4:xRE3+(RE=Eu,Er,Ce and Ho) for WLEDs application. Journal of Alloys and Compounds, 2018, 732, 1-8.	5.5	14
38	Spectroscopic studies on Yb 3+ -doped tungsten-tellurite glasses for laser applications. Journal of Non-Crystalline Solids, 2018, 479, 9-15.	3.1	27
39	Effect of BaF 2 addition on luminescence properties of Er 3+ /Yb 3+ co-doped phosphate glasses. Journal of Rare Earths, 2018, 36, 58-63.	4.8	21
40	Effect of concentration on spectral properties of lanthanide ions-doped fluorophosphate glasses. Materials Today: Proceedings, 2018, 5, 14981-14985.	1.8	0
41	Photoluminescence study of barium borophosphate glasses doped with Sm 3+ ions. Materials Today: Proceedings, 2018, 5, 15049-15053.	1.8	5
42	Structural and luminescence properties of Sm 3+ -doped Ca 2 SiO 4 phosphors from agricultural waste. Materials Today: Proceedings, 2018, 5, 15081-15085.	1.8	6
43	Effect of borate and bismuth glass compositions on luminescence properties of rare earth ions. Materials Today: Proceedings, 2018, 5, 14986-14991.	1.8	4
44	Sensitizing effect of Yb3+ ions on photoluminescence properties of Er3+ ions in lead phosphate glasses: Optical fiber amplifiers. Optical Materials, 2018, 86, 256-269.	3.6	24
45	Investigations on energy transfer and tunable luminescence spectra for single, co-doped and tri-doped RE3+(RE3+= Dy3+, Sm3+ and Eu3+) activated Sr1.99Bi0.01CeO4 phosphors. Optical Materials, 2018, 85, 464-473.	3.6	15
46	Structural and spectroscopic properties of Î³-ray irradiated Er3+-doped lead phosphate glasses. Journal of Luminescence, 2018, 203, 322-330.	3.1	24
47	Luminescence properties of europium doped oxyfluorosilicate glasses for visible light devices. Optical Materials, 2018, 83, 348-355.	3.6	28
48	Spectral investigations of Sm 3+ -doped niobium phosphate glasses. Optical Materials, 2017, 66, 35-42.	3.6	52
49	Fluorescence properties and white light generation from Dy 3+ -doped niobium phosphate glasses. Optical Materials, 2017, 69, 87-95.	3.6	74
50	Studies of radiative and mechanical properties of Nd 3+ -doped lead fluorosilicate glasses for broadband amplification in a chirped pulse amplification based high power laser system. Journal of Luminescence, 2017, 188, 558-566.	3.1	35
51	Structure, morphology and optical characterization of Dy 3+ -doped BaYF 5 nanocrystals for warm white light emitting devices. Optical Materials, 2017, 70, 16-24.	3.6	36
52	Er3+-doped tellurite glasses for enhancing a solar cell photocurrent through photon upconversion upon 1500Ânm excitation. Materials Chemistry and Physics, 2017, 199, 67-72.	4.0	49
53	The energy transfer efficiency from Yb 3+ to Nd 3+ in SrO Pb 3 O 4 ZnO P 2 O 5 glass system-Influence of lead ions. Journal of Luminescence, 2017, 187, 281-289.	3.1	12
54	Spectroscopic and pump power dependent upconversion studies of Er 3+ -doped lead phosphate glasses for photonic applications. Journal of Alloys and Compounds, 2017, 699, 959-968.	5.5	90

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55	Spectroscopic investigations of 1.06 Âµm emission and time resolved Z-scan studies in Nd3+-doped zinc tellurite based glasses. Journal of Luminescence, 2017, 192, 1047-1055.	3.1	26
56	Enhanced light harvesting with novel photon upconverted Y2CaZnO5:Er3+/Yb3+ nanophosphors for dye sensitized solar cells. Solar Energy, 2017, 157, 956-965.	6.1	33
57	Synthesis of Ca2SiO4:Dy3+ phosphors from agricultural waste for solid state lighting applications. Ceramics International, 2017, 43, 16622-16627.	4.8	36
58	Photoluminescence properties of Ho3+/Tm3+-doped YAGG nano-crystalline powders. Optical Materials, 2017, 72, 666-672.	3.6	16
59	Luminescence studies on Er3+ -doped zincfluorophosphate glasses for 1.53ÂÎ¼m laser applications. Journal of Molecular Structure, 2017, 1130, 1001-1008.	3.6	45
60	Spectroscopic Investigation and Optical Properties of Eu³⁺-Doped Fluorophosphate Glasses. Key Engineering Materials, 2016, 675-676, 418-423.	0.4	2
61	Effect of P2O5 addition on structural and luminescence properties of Nd3+-doped tellurite glasses. Journal of Alloys and Compounds, 2016, 684, 322-327.	5.5	59
62	Luminescence and phonon side band analysis of Eu3+-doped lead fluorosilicate glasses. Optical Materials, 2016, 62, 139-145.	3.6	87
63	Nanocrystalline Sm 3+ -doped Lu 3 Ga 5 O 12 garnets: An intense orange-reddish luminescent material for white light emitting devices. Journal of Luminescence, 2016, 179, 533-538.	3.1	22
64	Structural and NIR to visible upconversion properties of Er3+-doped LaPO4 phosphors. Journal of Luminescence, 2016, 171, 51-57.	3.1	37
65	Optical, Luminescence and Judd-Oflet Study of Eu³⁺ Doped Lithium Yttrium Borate Glasses for Using as Laser Gain Medium. Key Engineering Materials, 2016, 675-676, 364-367.	0.4	2
66	Spectroscopic Properties and Judd-Ofelt Analysis of Dy³⁺ in Lithium Lanthanum Borate Glass for Laser Medium Application. Key Engineering Materials, 2016, 675-676, 389-392.	0.4	4
67	Spectral Investigations of Dy³⁺-Doped Gd₂O₃-CaO-P₂O₅ Glasses. Key Engineering Materials, 2016, 675-676, 384-388.	0.4	5
68	White light generation from Dy3+-doped yttrium aluminium gallium mixed garnet nano-powders. Journal of Luminescence, 2016, 170, 262-270.	3.1	18
69	Spectroscopy and near infrared upconversion of Er 3+ -doped TZNT glasses. Journal of Luminescence, 2016, 169, 270-276.	3.1	27
70	Blueâ€“green cooperative upconverted luminescence and radiative energy transfer in Yb 3+ -doped tungsten tellurite glass. Journal of Luminescence, 2016, 169, 233-237.	3.1	13
71	Thermal and optical properties of Nd3+ ions in Kâ€“Caâ€“Al fluorophosphate glasses. Journal of Luminescence, 2015, 166, 328-334.	3.1	55
72	Dy3+-doped tellurite based tungsten-zirconium glasses: Spectroscopic study. Journal of Molecular Structure, 2015, 1084, 182-189.	3.6	62

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73	Concentration dependent luminescence properties of Sm3+-ions in telluriteâ€“tungstenâ€“zirconium glasses. Optical Materials, 2015, 40, 26-35.	3.6	71
74	1.53 Âµm luminescence properties of Er3+-doped Kâ€“Srâ€“Al phosphate glasses. Ceramics International, 2015, 41, 5765-5771.	4.8	57
75	Luminescence properties of Sm3+-doped fluorosilicate glasses. Optics Communications, 2015, 344, 100-105.	2.1	48
76	Spectroscopic properties of Eu3+/Nd3+ co-doped phosphate glasses and opaque glassâ€“ceramics. Optical Materials, 2015, 46, 34-39.	3.6	26
77	Chemical pressure effects on the spectroscopic properties of Nd^3+-doped gallium nano-garnets. Optical Materials Express, 2015, 5, 1661.	3.0	34
78	Optical properties of Er^3+-doped K-Ca-Al fluorophosphate glasses for optical amplification at 153 Î¼m. Optical Materials Express, 2015, 5, 1689.	3.0	32
79	Photon avalanche upconversion in Ho3+-doped gallium nano-garnets. Optical Materials, 2015, 39, 16-20.	3.6	11
80	Photon avalanche upconversion in Ho3+â€“Yb3+ co-doped transparent oxyfluoride glassâ€“ceramics. Chemical Physics Letters, 2014, 600, 34-37.	2.6	17
81	Preparation and luminescence characterization of Zn(1â^'x)MoO4: xDy3+ phosphor for white light-emitting diodes. Optics Communications, 2014, 312, 233-237.	2.1	28
82	Relevance of radiative transfer processes on Nd3+ doped phosphate glasses for temperature sensing by means of the fluorescence intensity ratio technique. Sensors and Actuators B: Chemical, 2014, 195, 324-331.	7.8	80
83	Spectroscopy and radiation trapping of Yb3+ ions in lead phosphate glasses. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 140, 37-47.	2.3	36
84	Spectroscopic and photoluminescence properties of Sm3+ ions in Pbâ€“Kâ€“Alâ€“Na phosphate glasses for efficient visible lasers. Journal of Luminescence, 2014, 153, 233-241.	3.1	83
85	Gain properties and concentration quenching of Er3+-doped niobium oxyfluorosilicate glasses for photonic applications. Optical Materials, 2014, 36, 823-828.	3.6	46
86	Structural, thermal and spectroscopic properties of highly Er3+-doped novel oxyfluoride glasses for photonic application. Materials Research Bulletin, 2014, 51, 336-344.	5.2	71
87	Optical absorption and emission properties of Nd 3+ -doped oxyfluorosilicate glasses for solid state lasers. Infrared Physics and Technology, 2014, 67, 555-559.	2.9	48
88	Spectroscopic and fluorescence properties of Sm3+-doped zincfluorophosphate glasses. Journal of Rare Earths, 2014, 32, 918-926.	4.8	56
89	Energy transfer and photoluminescence properties of Dy3+/Tb3+ co-doped oxyfluorosilicate glassâ€“ceramics for solid-state white lighting. Ceramics International, 2014, 40, 11115-11121.	4.8	58
90	Visible luminescence of Sm3+:Kâ€“Caâ€“Li fluorophosphate glasses. Journal of Molecular Structure, 2014, 1074, 496-502.	3.6	28

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91	Spectroscopic investigation and optical characterization of Eu3+ ions in Kâ€“Nbâ€“Si glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 966-971.	3.9	22
92	Thermal, vibrational and optical properties of Eu3+-doped lead fluorophosphate glasses for red laser applications. Materials Chemistry and Physics, 2013, 141, 903-911.	4.0	107
93	Optical properties and generation of white light in Dy3+-doped lead phosphate glasses. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 118, 40-48.	2.3	149
94	Phonon sideband spectrum and vibrational analysis of Eu3+-doped niobium oxyfluorosilicate glass. Journal of Luminescence, 2013, 143, 674-679.	3.1	38
95	Optical and luminescence properties of Dy3+ ions in phosphate based glasses. Solid State Sciences, 2013, 22, 82-90.	3.2	83
96	Optical characterization of Er3+-doped zinc fluorophosphate glasses for optical temperature sensors. Sensors and Actuators B: Chemical, 2013, 186, 156-164.	7.8	107
97	Spectral investigations of Sm3+-doped oxyfluorosilicate glasses. Materials Research Bulletin, 2013, 48, 3607-3613.	5.2	43
98	Structural and spectroscopic properties of Eu3+-doped zinc fluorophosphate glasses. Journal of Molecular Structure, 2013, 1036, 42-50.	3.6	83
99	Optical properties of zincfluorophosphate glasses doped with Dy3+ ions. Physica B: Condensed Matter, 2013, 408, 158-163.	2.7	93
100	Synthesis, structural and luminescence properties of near white light emitting Dy3+-doped Y2CaZnO5 nanophosphor for solid state lighting. Ceramics International, 2013, 39, 7523-7529.	4.8	34
101	Spectroscopic Investigation of Sm3+ doped phosphate based glasses for reddish-orange emission. Optics Communications, 2013, 311, 156-162.	2.1	67
102	Dy3+-doped zinc fluorophosphate glasses for white luminescence applications. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 113, 145-153.	3.9	141
103	Spectroscopic properties of Sm3+ ions in phosphate and fluorophosphate glasses. Journal of Non-Crystalline Solids, 2013, 365, 85-92.	3.1	62
104	Structural and luminescence properties of Sm3+ ions in zinc fluorophosphate glasses. Optical Materials, 2013, 35, 1557-1563.	3.6	76
105	Spectroscopic and radiative properties of Sm3+-doped Kâ€“Mgâ€“Al phosphate glasses. Optics Communications, 2013, 286, 204-210.	2.1	69
106	Optical properties of Ho3+ ions in lead phosphate glasses. Optical Materials, 2012, 35, 102-107.	3.6	65
107	Optical properties of Eu3+ ions in phosphate glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 97, 788-797.	3.9	97
108	Fluorescence and Spectroscopic Properties of Yb3+-Doped Phosphate Glasses. Physics Procedia, 2012, 29, 109-113.	1.2	8

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109	Spectroscopic properties of Sm3+ ions in lead fluorophosphate glasses. Journal of Luminescence, 2012, 132, 2802-2809.	3.1	115
110	Er3+â€“Yb3+ codoped phosphate glasses used for an efficient 1.5Î¼m broadband gain medium. Optical Materials, 2012, 34, 1235-1240.	3.6	69
111	Solâ€“gel synthesis and thermal stability of luminescence of Lu3Al5O12:Ce3+ nano-garnet. Journal of Alloys and Compounds, 2011, 509, 859-863.	5.5	53
112	Optical properties of Yb3+-doped phosphate laser glasses. Journal of Alloys and Compounds, 2011, 509, 5084-5089.	5.5	44
113	Local field dependent fluorescence properties of Eu3+ ions in a fluorometaphosphate laser glass. Journal of Non-Crystalline Solids, 2011, 357, 2139-2147.	3.1	25
114	Luminescence properties of Eu3+ ions in phosphate-based bioactive glasses. Solid State Sciences, 2011, 13, 1309-1314.	3.2	28
115	White light emission in Dy3+-doped lead fluorophosphate glasses. Materials Chemistry and Physics, 2011, 130, 1078-1085.	4.0	160
116	Optical properties of Dy3+ -doped P2O5 - K2Oâˆ’MgO/MgF2âˆ’Al2O3 glasses. Physics Procedia, 2011, 13, 70-73.	1.2	32
117	Composition and concentration dependence of spectroscopic properties of Nd3+-doped tellurite and metaborate glasses. Optical Materials, 2011, 33, 928-936.	3.6	49
118	Optical and fluorescence spectroscopy of Eu2O3-doped P2O5â€“K2Oâ€“KFâ€“MOâ€“Al2O3 (M = Mg, Sr and Ba) glasses. Optics Communications, 2011, 284, 2909-2914.	2.1	47
119	Spectroscopic characterization of alkali modified zinc-tellurite glasses doped with neodymium. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 77, 135-140.	3.9	40
120	Spectroscopic investigations of 1.06Î¼m emission in Nd3+-doped alkali niobium zinc tellurite glasses. Journal of Luminescence, 2010, 130, 1021-1025.	3.1	96
121	Structural, optical absorption and luminescence properties of Nd3+ ions in NaO-NaF borate glasses. Optical Materials, 2010, 32, 1035-1041.	3.6	61
122	Optical properties and energy transfer of Dy3+-doped transparent oxyfluoride glasses and glassâ€“ceramics. Journal of Non-Crystalline Solids, 2010, 356, 236-243.	3.1	60
123	Optical absorption and fluorescence properties of Tm3+-doped Kâ€“Mgâ€“Al phosphate glasses for laser applications. Journal of Alloys and Compounds, 2010, 496, 335-340.	5.5	20
124	Structural and spectroscopic investigations on Eu3+-doped alkali fluoroborate glasses. Solid State Sciences, 2009, 11, 1297-1302.	3.2	85
125	1.06Î¼m laser transition characteristics of Nd3+-doped fluorophosphate glasses. Materials Chemistry and Physics, 2009, 117, 131-137.	4.0	20
126	Optical and ESR studies on Fe doped ZnS nanocrystals. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 1465-1468.	2.1	33

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127	Optical properties of Dy3+-doped phosphate and fluorophosphate glasses. Optical Materials, 2009, 31, 624-631.	3.6	122
128	Luminescence and laser transition studies of Dy3+:Kâ€“Mgâ€“Al fluorophosphate glasses. Physica B: Condensed Matter, 2009, 404, 235-242.	2.7	82
129	Thermal and optical properties of Er3+-doped oxyfluorotellurite glasses. Journal of Luminescence, 2009, 129, 444-448.	3.1	139
130	Photoluminescence and energy transfer studies of Dy3+-doped fluorophosphate glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 70, 577-586.	3.9	135
131	Effect of pressure on luminescence properties of Sm3+ ions in potassium niobate tellurite glass. Journal of Luminescence, 2008, 128, 718-720.	3.1	16
132	Synthesis and luminescence properties of Er3+-doped Lu3Ga5O12 nanocrystals. Journal of Luminescence, 2008, 128, 811-813.	3.1	45
133	Fluorescence spectroscopy of Sm3+ ions in P2O5â€“PbOâ€“Nb2O5 glasses. Physica B: Condensed Matter, 2008, 403, 3527-3534.	2.7	170
134	Synthesis and characterization of thiophenol passivated Fe-doped ZnS nanoparticles. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 150, 125-129.	3.5	86
135	Spectroscopic and 1.06Î¼m laser properties of Nd3+-doped Kâ€“Srâ€“Al phosphate and fluorophosphate glasses. Journal of Alloys and Compounds, 2008, 458, 509-516.	5.5	67
136	Luminescence characteristics of Nd3+-doped Kâ€“Baâ€“Al-fluorophosphate laser glasses. Journal of Alloys and Compounds, 2008, 451, 697-701.	5.5	24
137	Spectroscopic and dielectric studies on MnO doped PbOâ€“Nb2O5â€“P2O5 glass system. Journal of Alloys and Compounds, 2008, 458, 66-76.	5.5	75
138	Laser transition characteristics of Nd3+-doped fluorophosphate laser glasses. Journal of Non-Crystalline Solids, 2007, 353, 1402-1406.	3.1	20
139	Characterization of Eu3+-doped fluorophosphate glasses for red emission. Journal of Non-Crystalline Solids, 2007, 353, 1397-1401.	3.1	99
140	1.55Î¼m emission and upconversion properties of Er3+-doped oxyflurotellurite glasses. Chemical Physics Letters, 2007, 445, 162-166.	2.6	34
141	Optical spectroscopy of Sm3+ ions in phosphate and fluorophosphate glasses. Optical Materials, 2007, 29, 1429-1439.	3.6	179
142	Optical absorption and photoluminescence studies of Eu3+-doped phosphate and fluorophosphate glasses. Journal of Luminescence, 2007, 126, 109-120.	3.1	174
143	Fluorescence properties of Nd3+-doped tellurite glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 67, 702-708.	3.9	84
144	Fluorescence properties of Eu3+ ions doped borate and fluoroborate glasses containing lithium, zinc and lead. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 63, 276-281.	3.9	86

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145	Fluorescence line narrowing spectral studies of Eu3+-doped lead borate glass. Journal of Non-Crystalline Solids, 2005, 351, 929-935.	3.1	58
146	Luminescence properties of Dy3+ ions in a variety of borate and fluoroborate glasses containing lithium, zinc, and lead. Journal of Alloys and Compounds, 2004, 374, 22-26.	5.5	103
147	Optical spectroscopy of thulium-doped oxyfluoroborate glass. Journal of Alloys and Compounds, 2004, 385, 12-18.	5.5	29
148	Spectroscopy of Pr3+ ions in lithium borate and lithium fluoroborate glasses. Physica B: Condensed Matter, 2001, 301, 326-340.	2.7	69
149	High-pressure fluorescence study of Sm3+: lithium fluoroborate glass. Journal of Luminescence, 2000, 91, 33-39.	3.1	47
150	Optical spectroscopy of Eu3+ ions in lithium borate and lithium fluoroborate glasses. Physica B: Condensed Matter, 2000, 279, 262-281.	2.7	207
151	Spectroscopic properties of Dy3+ ions in lithium borate and lithium fluoroborate glasses. Optical Materials, 2000, 15, 65-79.	3.6	164
152	Optical properties of Sm3+ ions in lithium borate and lithium fluoroborate glasses. Journal of Alloys and Compounds, 2000, 307, 82-95.	5.5	168
153	Electronic transitions, crystal field analysis and anomalous levels splittings in the optical spectrum of Pr3+ in La2O3 and Pr2O3. Journal of Luminescence, 1999, 85, 59-70.	3.1	16
154	Compositional dependence of optical properties of Pr3+ ions in lithium borate glasses. Journal of Alloys and Compounds, 1998, 275-277, 369-373.	5.5	9
155	Optical properties of Sm3+ ions in zinc and alkali zinc borosulphate glasses. Optical Materials, 1997, 8, 193-205.	3.6	183
156	Spectroscopic investigations of Dy3+ ions in borosulphate glasses. Physica B: Condensed Matter, 1997, 240, 273-288.	2.7	133
157	Optical properties of Er3+ ions in lithium borate glasses and comparative energy level analyses of Er3+ ions in various glasses. Journal of Non-Crystalline Solids, 1996, 197, 111-128.	3.1	77
158	Judd-Ofelt intensity analysis and spectral studies of Pr(III) ions in alkali zinc borosulphate glasses. Materials Chemistry and Physics, 1996, 46, 84-91.	4.0	14
159	Optical properties of Nd3+ ions in cadmium borosulphate glasses and comparative energy level analyses of Nd3+ ions in various glasses. Physica B: Condensed Matter, 1996, 226, 313-330.	2.7	16
160	Optical properties of Tm3+ ions in lithium borate glasses. Optical Materials, 1996, 6, 185-201.	3.6	29
161	Comparative crystal free-ion energy level analysis of Nd3+ (4f3) ions in various oxygen co-ordinated systems. Physica B: Condensed Matter, 1995, 212, 167-174.	2.7	24
162	Spectroscopic properties of Ho3+ ions in zinc borosulphate glasses and comparative energy level analyses of Ho3+ ions in various glasses. Optical Materials, 1995, 4, 529-546.	3.6	62

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