

Jayasankar C K

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Enhancement of Luminescence Properties of $\text{Er}^{3+}/\text{Yb}^{3+}:\text{Pb}_2\text{O}_5 + \text{BaO-La}_2\text{O}_3$ Glasses for Photonic Applications. <i>Integrated Ferroelectrics</i> , 2022, 222, 190-198.		0
2	Effect of Ultrasonic Irradiation Time on Physical Properties and Photocatalytic Performance of BiVO_4 Nanoparticles Prepared via Sonochemical Process. <i>Integrated Ferroelectrics</i> , 2021, 214, 123-132.	0.7	4
3	Characterization, X-ray Absorption Spectroscopic Analysis and Photocatalytic Activity of Co/Zn Co-Doped TiO_2 Nanoparticles Synthesized by One-Step Sonochemical Process. <i>Crystals</i> , 2021, 11, 1254.	2.2	5
4	Photothermal and spectroscopic characterization of Tb^{3+} -doped tungsten-zirconium-tellurite glasses. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	10
5	Spectral characteristics of Pr^{3+} -doped lead phosphate glasses for optical display device and gain media applications. , 2020, , .		38
6	Microwave-assisted combustion synthesis of silica-coated $\text{Eu}:\text{Gd}_2\text{O}_3$ nanoparticles for MRI and optical imaging of cancer cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 6860-6867.	2.2	11
7	Optical and photoluminescence dynamics of $\text{Dy}^{3+}:\text{B}_2\text{O}_3+\text{Li}_2\text{O}/\text{LiF}$ glasses. <i>Ferroelectrics</i> , 2019, 552, 53-63.	0.6	1
8	Spectroscopic assessment of Dy^{3+} ions in lead fluorosilicate glass as a prospective material for solid state yellow laser. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 212, 315-321.	3.9	23
9	Luminescence and decay characteristics of Tb^{3+} -doped fluorophosphate glasses. <i>Journal of Asian Ceramic Societies</i> , 2018, 6, 82-87.	2.3	38
10	Optical Absorption and EPR Studies on Gamma-Ray Irradiated RE^{3+} -Doped Fluorophosphate Glasses. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 594-602.	3.7	5
11	Role of $\text{Dy}^{3+} \rightarrow \text{Sm}^{3+}$ energy transfer in the tuning of warm to cold white light emission in $\text{Dy}^{3+}/\text{Sm}^{3+}$ co-doped $\text{Lu}_3\text{Ga}_5\text{O}_{12}$ nano-garnets. <i>New Journal of Chemistry</i> , 2018, 42, 1260-1270.	2.8	36
12	Upconversion studies of Ho^{3+} activated tellurite glasses under the sensitization of Yb^{3+} ions. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
13	Lanthanide-Doped Tellurite Glasses for Solar Energy Harvesting. , 2018, , 249-273.		1
14	Validation of satellite and model aerosol optical depth and precipitable water vapour observations with AERONET data over Pune, India. <i>International Journal of Remote Sensing</i> , 2018, 39, 7643-7663.	2.9	6
15	Relating abundance of purpleback flying squid <i>Sthenoteuthis oualaniensis</i> (Cephalopoda:) <i>Tj ETQq1 1 0.784314 rgBT /Overloc</i> <i>Journal of Natural History</i> , 2018, 52, 1869-1882.	0.5	16
16	Optical spectroscopy, 1.06 μm emission properties of Nd^{3+} -doped phosphate based glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 180, 193-197.	3.9	50
17	Spectroscopic Properties of Yb^{3+} -Doped Silicate Glasses. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017, 232, 51-60.	2.8	3
18	Carbazole functionalized new bipolar ligand for monochromatic red light-emitting europium(III) complex: combined experimental and theoretical study. <i>New Journal of Chemistry</i> , 2017, 41, 3112-3123.	2.8	23

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19	Structural and luminescent properties of $KY(1-x)Dy_xBO_3$ phosphors. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 170, 206-213.	3.9	12
20	Luminescence and energy transfer in Dy^{3+}/Tb^{3+} co-doped transparent oxyfluorosilicate glass-ceramics for green emitting applications. <i>Materials Research Bulletin</i> , 2016, 83, 507-514.	5.2	41
21	Stokes and anti-Stokes luminescence in Tm^{3+}/Yb^{3+} -doped $Lu_3Ga_5O_{12}$ nano-garnets: a study of multipolar interactions and energy transfer dynamics. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14720-14729.	2.8	19
22	Efficient Nd^{3+} sensitized Yb^{3+} emission and infrared-to-visible energy conversion in gallium nano-garnets. <i>RSC Advances</i> , 2016, 6, 78669-78677.	3.6	13
23	Infrared-to-Visible Light Conversion in $Er^{3+}/Yb^{3+}:Lu_3Ga_5O_{12}$ Nanogarnets. <i>ChemPhysChem</i> , 2015, 16, 3928-3936.	2.1	14
24	Thermal and optical properties of Nd^{3+} ions in $Ca-Al$ fluorophosphate glasses. <i>Journal of Luminescence</i> , 2015, 166, 328-334.	3.1	55
25	Optical properties of Er^{3+} -doped $K-Ca-Al$ fluorophosphate glasses. , 2015, , .		1
26	Dy^{3+} -doped tellurite based tungsten-zirconium glasses: Spectroscopic study. <i>Journal of Molecular Structure</i> , 2015, 1084, 182-189.	3.6	62
27	Concentration dependent luminescence properties of Sm^{3+} -ions in tellurite-tungsten-zirconium glasses. <i>Optical Materials</i> , 2015, 40, 26-35.	3.6	71
28	1.53 μm luminescence properties of Er^{3+} -doped $Sr-Al$ phosphate glasses. <i>Ceramics International</i> , 2015, 41, 5765-5771.	4.8	57
29	Luminescence properties of Tb^{3+} ions in zinc fluorophosphate glasses for green laser applications. <i>Materials Research Bulletin</i> , 2015, 67, 196-200.	5.2	34
30	Spectroscopic properties of Eu^{3+}/Nd^{3+} co-doped phosphate glasses and opaque glass-ceramics. <i>Optical Materials</i> , 2015, 46, 34-39.	3.6	26
31	Structural, elastic and vibrational properties of nanocrystalline lutetium gallium garnet under high pressure. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 9454-9464.	2.8	17
32	Photon avalanche upconversion in Ho^{3+} -doped gallium nano-garnets. <i>Optical Materials</i> , 2015, 39, 16-20.	3.6	11
33	Upconversion properties of Er^{3+} -doped oxyfluoride glass-ceramics containing SrF_2 nanocrystals. <i>Proceedings of SPIE</i> , 2014, , .	0.8	1
34	Optimizing white light luminescence in Dy^{3+} -doped $Lu_3Ga_5O_{12}$ nano-garnets. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	24
35	Three- and two-photon upconversion luminescence switching in Tm^{3+}/Yb^{3+} -codoped sodium niobate nanophosphor. <i>Journal of Nanophotonics</i> , 2014, 8, 083093.	1.0	14
36	Multicolor upconversion luminescence of rare-earth doped Y_2CaZnO_5 nanophosphors for white lighting-emitting diodes. , 2014, , .		0

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37	Spectroscopic properties of Ho ³⁺ -doped SrAl phosphate glasses. Applied Physics A: Materials Science and Processing, 2014, 115, 689-696.	2.3	4
38	Photon avalanche upconversion in Ho ³⁺ /Yb ³⁺ co-doped transparent oxyfluoride glass-ceramics. Chemical Physics Letters, 2014, 600, 34-37.	2.6	17
39	Preparation and luminescence characterization of Zn(1-x)MoO ₄ : xDy ³⁺ phosphor for white light-emitting diodes. Optics Communications, 2014, 312, 233-237.	2.1	28
40	Relevance of radiative transfer processes on Nd ³⁺ 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
41	Spectroscopy and radiation trapping of Yb ³⁺ ions in lead phosphate glasses. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 140, 37-47.	2.3	36
42	Spectroscopic and photoluminescence properties of Sm ³⁺ ions in Pb-Al-Na phosphate glasses for efficient visible lasers. Journal of Luminescence, 2014, 153, 233-241.	3.1	83
43	Gain properties and concentration quenching of Er ³⁺ -doped niobium oxyfluorosilicate glasses for photonic applications. Optical Materials, 2014, 36, 823-828.	3.6	46
44	Structural, thermal and spectroscopic properties of highly Er ³⁺ -doped novel oxyfluoride glasses for photonic application. Materials Research Bulletin, 2014, 51, 336-344.	5.2	71
45	Eu ³⁺ /Dy ³⁺ co-doped Na ₃ Gd(PO ₄) ₂ phosphors for white light luminescence. Materials Express, 2014, 4, 153-158.	0.5	8
46	Luminescence properties of Lu ₃ Al ₅ O ₁₂ :Tb ³⁺ nano-garnet. Journal of the Korean Physical Society, 2014, 64, 1859-1865.	0.7	8
47	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
48	Spectroscopic and fluorescence properties of Sm ³⁺ -doped zincfluorophosphate glasses. Journal of Rare Earths, 2014, 32, 918-926.	4.8	56
49	Excitation and luminescence of rare earth-doped lead phosphate glasses. Applied Physics B: Lasers and Optics, 2014, 116, 837-845.	2.2	32
50	Optical and luminescence properties of Dy ³⁺ ions in SrAl phosphate glasses for yellow laser applications. Applied Physics B: Lasers and Optics, 2014, 117, 75-84.	2.2	21
51	Energy transfer and photoluminescence properties of Dy ³⁺ /Tb ³⁺ co-doped oxyfluorosilicate glass-ceramics for solid-state white lighting. Ceramics International, 2014, 40, 11115-11121.	4.8	58
52	Visible luminescence of Sm ³⁺ :CaLi fluorophosphate glasses. Journal of Molecular Structure, 2014, 1074, 496-502.	3.6	28
53	Spectroscopic investigation and optical characterization of Eu ³⁺ ions in Nb-Si glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 966-971.	3.9	22
54	Thermal, vibrational and optical properties of Eu ³⁺ -doped lead fluorophosphate glasses for red laser applications. Materials Chemistry and Physics, 2013, 141, 903-911.	4.0	107

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55	Optical properties and generation of white light in Dy ³⁺ -doped lead phosphate glasses. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 118, 40-48.	2.3	149
56	Optical properties of Yb ³⁺ ions in fluorophosphate glasses for 1.0-1.4 μm solid-state infrared lasers. <i>Applied Physics B: Lasers and Optics</i> , 2013, 113, 527-535.	2.2	16
57	Phonon sideband spectrum and vibrational analysis of Eu ³⁺ -doped niobium oxyfluorosilicate glass. <i>Journal of Luminescence</i> , 2013, 143, 674-679.	3.1	38
58	Optical and luminescence properties of Dy ³⁺ ions in phosphate based glasses. <i>Solid State Sciences</i> , 2013, 22, 82-90.	3.2	83
59	Optical characterization of Er ³⁺ -doped zinc fluorophosphate glasses for optical temperature sensors. <i>Sensors and Actuators B: Chemical</i> , 2013, 186, 156-164.	7.8	107
60	Spectral investigations of Sm ³⁺ -doped oxyfluorosilicate glasses. <i>Materials Research Bulletin</i> , 2013, 48, 3607-3613.	5.2	43
61	Probing the structure, morphology and multifold blue absorption of a new red-emitting nanophosphor for LEDs. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5849.	5.5	22
62	Structural and spectroscopic properties of Eu ³⁺ -doped zinc fluorophosphate glasses. <i>Journal of Molecular Structure</i> , 2013, 1036, 42-50.	3.6	83
63	Optical properties of zincfluorophosphate glasses doped with Dy ³⁺ ions. <i>Physica B: Condensed Matter</i> , 2013, 408, 158-163.	2.7	93
64	Synthesis and characterization of Ce/Eu co-doped Na ₃ Gd(PO ₄) ₂ phosphors. <i>Physica B: Condensed Matter</i> , 2013, 431, 137-141.	2.7	8
65	Synthesis, structural and luminescence properties of near white light emitting Dy ³⁺ -doped Y ₂ CaZnO ₅ nanophosphor for solid state lighting. <i>Ceramics International</i> , 2013, 39, 7523-7529.	4.8	34
66	Spectroscopic Investigation of Sm ³⁺ doped phosphate based glasses for reddish-orange emission. <i>Optics Communications</i> , 2013, 311, 156-162.	2.1	67
67	Dy ³⁺ -doped zinc fluorophosphate glasses for white luminescence applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 113, 145-153.	3.9	141
68	Spectroscopic properties of Sm ³⁺ ions in phosphate and fluorophosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 2013, 365, 85-92.	3.1	62
69	Structural and luminescence properties of Sm ³⁺ ions in zinc fluorophosphate glasses. <i>Optical Materials</i> , 2013, 35, 1557-1563.	3.6	76
70	Spectroscopic and radiative properties of Sm ³⁺ -doped Mg-Al phosphate glasses. <i>Optics Communications</i> , 2013, 286, 204-210.	2.1	69
71	Optical and luminescence properties of Eu ³⁺ -doped phosphate based glasses. <i>Materials Express</i> , 2013, 3, 231-240.	0.5	61
72	Spectroscopic properties of Dy ³⁺ -doped oxyfluoride glasses for white light emitting diodes. <i>Materials Express</i> , 2013, 3, 61-70.	0.5	127

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73	Optical and upconversion properties of Er ³⁺ -doped oxyfluoride transparent glass-ceramics containing SrF ₂ nanocrystals. Journal of Materials Research, 2013, 28, 1481-1489.	2.6	16
74	Spectroscopy and 1.47 μm emission properties of Tm ³⁺ -doped metaphosphate laser glasses. Materials Express, 2013, 3, 71-78.	0.5	15
75	Preparation and Characterization of Yb ³⁺ -Doped Metaphosphate Glasses for High Energy and High Power Laser Applications. Science of Advanced Materials, 2013, 5, 276-284.	0.7	10
76	Synthesis, Structural and Luminescent Properties of Novel Eu ³⁺ /Y ³⁺ /Yb ³⁺ /CaZnO ₂ Nanophosphor for White Light-Emitting Diodes. Science of Advanced Materials, 2013, 5, 1539-1545.	0.7	5
77	Pressure dependent luminescence properties of Sm ³⁺ ions in fluorophosphate glass. Journal of Physics: Conference Series, 2012, 377, 012018.	0.4	2
78	Structural and Luminescence Properties of Ho ³⁺ /Yb ³⁺ -Doped Lu ₃ Ga ₅ O ₁₂ Nano-Garnets for Phosphor Applications. Journal of Nanoscience and Nanotechnology, 2012, 12, 4495-4501.	0.9	7
79	Multicolor Upconversion Emission and Color Tunability in Tm ³⁺ /Er ³⁺ /Yb ³⁺ Tri-Doped NaNbO ₃ Nanocrystals. Materials Express, 2012, 2, 294-302.	0.5	21
80	Optical properties of Ho ³⁺ ions in lead phosphate glasses. Optical Materials, 2012, 35, 102-107.	3.6	65
81	Emission characteristics of Dy ³⁺ ions in lead antimony borate glasses. Applied Physics B: Lasers and Optics, 2012, 108, 455-461.	2.2	35
82	Optical properties of Eu ³⁺ ions in phosphate glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 97, 788-797.	3.9	97
83	Spectroscopic properties of Sm ³⁺ ions in lead fluorophosphate glasses. Journal of Luminescence, 2012, 132, 2802-2809.	3.1	115
84	Synthesis, structure and luminescence of Er ³⁺ -doped Y ₃ Ga ₅ O ₁₂ nano-garnets. Journal of Materials Chemistry, 2012, 22, 13788.	6.7	62
85	Er ³⁺ -Yb ³⁺ codoped phosphate glasses used for an efficient 1.5 μm broadband gain medium. Optical Materials, 2012, 34, 1235-1240.	3.6	69
86	Synthesis, Structural Properties and Upconversion Emission of Er ³⁺ and Er ³⁺ /Yb ³⁺ Doped Nanocrystalline NaNbO ₃ . Science of Advanced Materials, 2012, 4, 584-590.	0.7	16
87	Synthesis and Color Tunable Up-converted Emission from Co-doped (Er ³⁺ /Yb ³⁺):Y ₂ CaZnO ₅ Nanophosphor. , 2012, , .		1
88	Fabrication and Characterization of 3D-Waveguides in Eu ³⁺ -doped Oxyfluorosilicate Glass. , 2012, , .		0
89	Efficient Nd ³⁺ /Yb ³⁺ energy transfer processes in high phonon energy phosphate glasses for 1.0 μm Yb ³⁺ laser. Journal of Applied Physics, 2011, 109, .	2.5	50
90	White light generation in Dy ³⁺ -doped oxyfluoride glass and transparent glass-ceramics containing CaF ₂ nanocrystals. Optics Express, 2011, 19, 1836.	3.4	108

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91	Sol-gel synthesis and thermal stability of luminescence of Lu ₃ Al ₅ O ₁₂ :Ce ³⁺ nano-garnet. Journal of Alloys and Compounds, 2011, 509, 859-863.	5.5	53
92	Effect of high pressure on photoluminescence properties of Eu ³⁺ : Ba-Al fluorophosphate glasses. Journal of Alloys and Compounds, 2011, 509, 1172-1177.	5.5	10
93	Optical properties of Yb ³⁺ -doped phosphate laser glasses. Journal of Alloys and Compounds, 2011, 509, 5084-5089.	5.5	44
94	Local field dependent fluorescence properties of Eu ³⁺ ions in a fluorometaphosphate laser glass. Journal of Non-Crystalline Solids, 2011, 357, 2139-2147.	3.1	25
95	Luminescence properties of Eu ³⁺ ions in phosphate-based bioactive glasses. Solid State Sciences, 2011, 13, 1309-1314.	3.2	28
96	White light emission in Dy ³⁺ -doped lead fluorophosphate glasses. Materials Chemistry and Physics, 2011, 130, 1078-1085.	4.0	160
97	Optical properties of Dy ³⁺ -doped P ₂ O ₅ - K ₂ O~MgO/MgF ₂ ~Al ₂ O ₃ glasses. Physics Procedia, 2011, 13, 70-73.	1.2	32
98	Composition and concentration dependence of spectroscopic properties of Nd ³⁺ -doped tellurite and metaborate glasses. Optical Materials, 2011, 33, 928-936.	3.6	49
99	Optical and fluorescence spectroscopy of Eu ₂ O ₃ -doped P ₂ O ₅ ~K ₂ O~KF~MO~Al ₂ O ₃ (M = Mg, Sr and Ba) glasses. Optics Communications, 2011, 284, 2909-2914.	2.1	47
100	Optimization of luminescence properties of Ln ³⁺ :fluorosilicate glasses to fabricate waveguides for photonics applications. , 2011, , .		1
101	White light generation in Dy ³⁺ -doped fluorosilicate glasses for W-LED applications. Proceedings of SPIE, 2011, , .	0.8	1
102	Pressure-dependent fluorescence studies of Sm ³⁺ -doped fluorophosphate glass. High Pressure Research, 2011, 31, 121-125.	1.2	3
103	Spontaneous and stimulated emission spectroscopy of a Nd(3+)-doped phosphate glass under wavelength selective pumping. Optics Express, 2011, 19, 19440-53.	3.4	14
104	Nanocrystalline lanthanide-doped Lu ₃ Ga ₅ O ₁₂ garnets: interesting materials for light-emitting devices. Nanotechnology, 2010, 21, 175703.	2.6	65
105	Local structure of Eu ³⁺ ions in fluorophosphate laser glass. Pramana - Journal of Physics, 2010, 75, 1005-1010.	1.8	1
106	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
107	Spectroscopic investigations of 1.0614μm emission in Nd ³⁺ -doped alkali niobium zinc tellurite glasses. Journal of Luminescence, 2010, 130, 1021-1025.	3.1	96
108	EPR, optical, photoluminescence studies of Cr ³⁺ ions in Li ₂ O~Cs ₂ O~B ₂ O ₃ glasses - An evidence of mixed alkali effect. Journal of Molecular Structure, 2010, 975, 93-99.	3.6	69

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109	Structural, optical absorption and luminescence properties of Nd ³⁺ ions in NaO-NaF borate glasses. <i>Optical Materials</i> , 2010, 32, 1035-1041.	3.6	61
110	Role of the local structure and the energy trap centers in the quenching of luminescence of the Tb ³⁺ ions in fluoroborate glasses: A high pressure study. <i>Journal of Chemical Physics</i> , 2010, 132, 114505.	3.0	11
111	Optical properties and energy transfer of Dy ³⁺ -doped transparent oxyfluoride glasses and glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 236-243.	3.1	60
112	Optical absorption and fluorescence properties of Tm ³⁺ -doped K ⁺ Mg ²⁺ Al phosphate glasses for laser applications. <i>Journal of Alloys and Compounds</i> , 2010, 496, 335-340.	5.5	20
113	High pressure luminescence study of Sm ³⁺ : K ⁺ Ba ²⁺ Al fluorophosphate glass. <i>High Pressure Research</i> , 2010, 30, 424-427.	1.2	2
114	Pressure-dependent luminescence properties of Tb ³⁺ -doped K ⁺ Ba ²⁺ Al fluorophosphate glass. <i>High Pressure Research</i> , 2009, 29, 219-223.	1.2	0
115	Structural and spectroscopic investigations on Eu ³⁺ -doped alkali fluoroborate glasses. <i>Solid State Sciences</i> , 2009, 11, 1297-1302.	3.2	85
116	1.0614 μm laser transition characteristics of Nd ³⁺ -doped fluorophosphate glasses. <i>Materials Chemistry and Physics</i> , 2009, 117, 131-137.	4.0	20
117	Optical and ESR studies on Fe doped ZnS nanocrystals. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 1465-1468.	2.1	33
118	Structural and optical studies of Eu ³⁺ ions in alkali borate glasses. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 131-139.	1.8	46
119	Optical properties of Dy ³⁺ -doped phosphate and fluorophosphate glasses. <i>Optical Materials</i> , 2009, 31, 624-631.	3.6	122
120	Luminescence and laser transition studies of Dy ³⁺ :K ⁺ Mg ²⁺ Al fluorophosphate glasses. <i>Physica B: Condensed Matter</i> , 2009, 404, 235-242.	2.7	82
121	Thermal and optical properties of Er ³⁺ -doped oxyfluorotellurite glasses. <i>Journal of Luminescence</i> , 2009, 129, 444-448.	3.1	139
122	Dual emission from stoichiometrically mixed lanthanide complexes of 3-phenyl-4-benzoyl-5-isoxazolonate and 2,2'-bipyridine. <i>Journal of Materials Chemistry</i> , 2009, 19, 1425.	6.7	55
123	Spectral investigations on Dy ³⁺ -doped transparent oxyfluoride glasses and nanocrystalline glass ceramics. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	69
124	Luminescence properties of Sm ³⁺ -doped P ₂ O ₅ -PbO-Nb ₂ O ₅ glass under high pressure. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 035108.	1.8	16
125	Photoluminescence and energy transfer studies of Dy ³⁺ -doped fluorophosphate glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 70, 577-586.	3.9	135
126	ESR and photoluminescence properties of Cu doped ZnS nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 1503-1506.	3.9	42

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127	Effect of pressure on luminescence properties of Sm ³⁺ ions in potassium niobate tellurite glass. Journal of Luminescence, 2008, 128, 718-720.	3.1	16
128	Synthesis and luminescence properties of Er ³⁺ -doped Lu ₃ Ga ₅ O ₁₂ nanocrystals. Journal of Luminescence, 2008, 128, 811-813.	3.1	45
129	Fluorescence spectroscopy of Sm ³⁺ ions in P ₂ O ₅ -PbO-Nb ₂ O ₅ glasses. Physica B: Condensed Matter, 2008, 403, 3527-3534.	2.7	170
130	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
131	Spectroscopic and 1.06 μ m laser properties of Nd ³⁺ -doped K ⁺ Sr ²⁺ Al phosphate and fluorophosphate glasses. Journal of Alloys and Compounds, 2008, 458, 509-516.	5.5	67
132	Luminescence characteristics of Nd ³⁺ -doped K ⁺ Ba ²⁺ Al-fluorophosphate laser glasses. Journal of Alloys and Compounds, 2008, 451, 697-701.	5.5	24
133	Spectroscopic and dielectric studies on MnO doped PbO-Nb ₂ O ₅ -P ₂ O ₅ glass system. Journal of Alloys and Compounds, 2008, 458, 66-76.	5.5	75
134	Chemical synthesis and Characterization of Cu doped ZnS nanoparticles. AIP Conference Proceedings, 2008, , .	0.4	0
135	Pressure dependent luminescence properties of Eu ³⁺ : TeO ₂ -K ₂ O-Nb ₂ O ₅ glass. Journal of Physics: Conference Series, 2008, 121, 042015.	0.4	16
136	Optical spectroscopy, 1.5 μ m emission, and upconversion properties of Er ³⁺ -doped metaphosphate laser glasses. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 2218.	2.1	95
137	Laser transition characteristics of Nd ³⁺ -doped fluorophosphate laser glasses. Journal of Non-Crystalline Solids, 2007, 353, 1402-1406.	3.1	20
138	Characterization of Eu ³⁺ -doped fluorophosphate glasses for red emission. Journal of Non-Crystalline Solids, 2007, 353, 1397-1401.	3.1	99
139	Photoluminescence from the 5D ₄ level of Tb ³⁺ ions in K ⁺ Ba ²⁺ Al fluorophosphate glass under pressure. Journal of Non-Crystalline Solids, 2007, 353, 1813-1817.	3.1	6
140	Thermal, structural and optical properties of Eu ³⁺ -doped zinc-tellurite glasses. Journal Physics D: Applied Physics, 2007, 40, 5767-5774.	2.8	70
141	1.55 μ m emission and upconversion properties of Er ³⁺ -doped oxyfluorotellurite glasses. Chemical Physics Letters, 2007, 445, 162-166.	2.6	34
142	Optical spectroscopy of Sm ³⁺ ions in phosphate and fluorophosphate glasses. Optical Materials, 2007, 29, 1429-1439.	3.6	179
143	Optical absorption and photoluminescence studies of Eu ³⁺ -doped phosphate and fluorophosphate glasses. Journal of Luminescence, 2007, 126, 109-120.	3.1	174
144	Fluorescence properties of Nd ³⁺ -doped tellurite glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 67, 702-708.	3.9	84

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