

R Ps Chakradhar

List of Publications by Year in descending order

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61857

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5139
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#	ARTICLE	IF	CITATIONS
1	Effect of minute element addition on the oxidation resistance of FeCoCrNiAl and FeCoCrNi ₂ Al high entropy alloy. <i>Advanced Powder Technology</i> , 2022, 33, 103410.	2.0	6
2	Improved Corrosion Protection of Magnesium Alloys AZ31B and AZ91 by Cold-Sprayed Aluminum Coatings. <i>Journal of Thermal Spray Technology</i> , 2021, 30, 371-384.	1.6	15
3	Tribo-Mechanical Properties of HVOF-Sprayed NiMoAl-Cr ₂ AlC Composite Coatings. <i>Journal of Thermal Spray Technology</i> , 2020, 29, 1763-1783.	1.6	9
4	Synthesis and properties of high velocity oxy-fuel sprayed FeCoCrNi ₂ Al high entropy alloy coating. <i>Surface and Coatings Technology</i> , 2019, 378, 124950.	2.2	31
5	Enhanced microwave absorption properties of PMMA modified MnFe ₂ O ₄ poly(aniline) nanocomposites. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 5068-5077.	1.3	37
6	An Investigation on the Wear and Corrosion Behavior of HVOF-Sprayed WC-12Co-Al ₂ O ₃ Cermet Coating. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 1241-1248.	1.2	12
7	Effect of Thermal Aging and Chemical Treatment on Tensile Properties of Coir Fiber. <i>Journal of Natural Fibers</i> , 2018, 15, 112-121.	1.7	26
8	UV and thermally stable polystyrene-MWCNT superhydrophobic coatings. <i>Surface and Interface Analysis</i> , 2017, 49, 93-98.	0.8	1
9	EPR and optical studies of microwave synthesized glasses containing VO ₂ ⁺ ions: Meta and pyrophosphate regime. <i>Journal of Alloys and Compounds</i> , 2017, 695, 1368-1377.	2.8	17
10	Transparent hydrophobic and superhydrophobic coatings fabricated using polyamide 12-SiO ₂ nanocomposite. <i>Surface and Interface Analysis</i> , 2017, 49, 427-433.	0.8	10
11	Incorporation of Cr ³⁺ ions in tuning the magnetic and transport properties of nano zinc ferrite. <i>Journal of Alloys and Compounds</i> , 2016, 657, 95-108.	2.8	5
12	Synthesis, luminescence properties and EPR investigation of hydrothermally derived uniform ZnO hexagonal rods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 139, 262-270.	2.0	10
13	Effect of TiO ₂ Nano-particles on Optical, Electrical and Mechanical Properties of Poly (Vinyl alcohol) Films. , 2014, 5, 847-854.		14
14	Effect of film thickness and annealing on optical properties of TiO ₂ thin films and electrical characterization of MOS capacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 4495-4500.	1.1	8
15	Stable superhydrophobic coatings using PVDF-MWCNT nanocomposite. <i>Applied Surface Science</i> , 2014, 301, 208-215.	3.1	55
16	Structural, photo and thermoluminescence studies of Eu ³⁺ doped orthorhombic YAlO ₃ nanophosphors. <i>Journal of Alloys and Compounds</i> , 2014, 601, 75-84.	2.8	45
17	Gd _{1.96-x} YxEu _{0.04} O ₃ (x=0.0, 0.49, 0.98, 1.47, 1.96mol%) nanophosphors: Propellant combustion synthesis, structural and luminescence studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 128, 730-739.	2.0	29
18	Synthesis and luminescence properties of Sm ³⁺ doped CaTiO ₃ nanophosphor for application in white LED under NUV excitation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 128, 891-901.	2.0	59

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19	Enhanced luminescence by monovalent alkali metal ions in Sr ₂ SiO ₄ :Eu ³⁺ nanophosphor prepared by low temperature solution combustion method. Journal of Alloys and Compounds, 2014, 595, 192-199.	2.8	45
20	Nd ₂ O ₃ :Gd ³⁺ nanocrystalline phosphor: λ^3 -Induced thermoluminescence, EPR and structural properties. Journal of Alloys and Compounds, 2014, 591, 286-292.	2.8	8
21	Temperature dependent magnetic ordering and electrical transport behavior of nano zinc ferrite from 20 to 800K. Journal of Alloys and Compounds, 2014, 590, 184-192.	2.8	15
22	Magnetic and dielectric interactions in nano zinc ferrite powder: Prepared by self-sustainable propellant chemistry technique. Journal of Magnetism and Magnetic Materials, 2014, 358-359, 132-141.	1.0	36
23	Auto-ignition based synthesis of Y ₂ O ₃ for photo- and thermo-luminescent applications. Journal of Alloys and Compounds, 2014, 585, 129-137.	2.8	56
24	Electron Paramagnetic Resonance and Photoluminescence Studies of LaMgAl ₁₁ O ₁₉ :Mn ²⁺ Green Phosphors. Journal of Electronic Materials, 2014, 43, 4041-4047.	1.0	10
25	Photoluminescence, thermoluminescence and EPR studies of solvothermally derived Ni ²⁺ doped Y(OH) ₃ and Y ₂ O ₃ multi-particle-chain microrods. Journal of Luminescence, 2014, 155, 125-134.	1.5	13
26	CdSiO ₃ :Eu ³⁺ red nanophosphors prepared by low temperature solution combustion technique, its structural and luminescent properties. Journal of Alloys and Compounds, 2014, 616, 284-292.	2.8	24
27	Effect of wettability and surface roughness on ice-adhesion strength of hydrophilic, hydrophobic and superhydrophobic surfaces. Applied Surface Science, 2014, 314, 241-250.	3.1	234
28	Synthesis and luminescent properties of Tb ³⁺ activated cadmium silicate nanophosphor. Journal of Alloys and Compounds, 2014, 592, 319-327.	2.8	26
29	Synthesis, structural and thermoluminescence properties of YAlO ₃ :Dy ³⁺ nanophosphors. Journal of Alloys and Compounds, 2014, 591, 337-345.	2.8	9
30	Study on low temperature solution combustion synthesized Sr ₂ SiO ₄ :Dy ³⁺ nano phosphor for white LED. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 127, 381-387.	2.0	27
31	Luminescence studies and EPR investigation of solution combustion derived Eu doped ZnO. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 132, 305-312.	2.0	23
32	EPR and luminescence studies of Cr ³⁺ doped MgSrAl ₁₀ O ₁₇ phosphor synthesized by a low-temperature solution combustion route. Journal of Luminescence, 2014, 154, 328-333.	1.5	20
33	Synthesis, EPR and luminescent properties of YAlO ₃ :Fe ³⁺ (0.1-0.9mol%) nanopowders. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 126, 220-226.	2.0	16
34	Combustion synthesis approach for spectral tuning of Eu doped CaAl ₂ O ₄ phosphors. Journal of Alloys and Compounds, 2014, 589, 596-603.	2.8	32
35	Microstructure, mechanical, thermal, EPR, and optical properties of MgAl ₂ O ₄ :Cr ³⁺ spinel glass-ceramic nanocomposites. Journal of Alloys and Compounds, 2014, 583, 498-509.	2.8	80
36	Electron paramagnetic resonance, optical absorption and photoluminescence properties of Cu ²⁺ ions in ZnO-Bi ₂ O ₃ -B ₂ O ₃ glasses. Journal of Magnetism and Magnetic Materials, 2013, 346, 21-25.	1.0	26

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37	Synthesis, characterization, EPR and thermoluminescence properties of CaTiO ₃ nanophosphor. <i>Materials Research Bulletin</i> , 2013, 48, 1490-1498.	2.7	32
38	Thermoluminescence properties of 100MeV Si ⁷⁺ swift heavy ions and UV irradiated CdSiO ₃ :Ce ³⁺ nanophosphor. <i>Journal of Luminescence</i> , 2013, 134, 358-368.	1.5	22
39	Investigation of structural and luminescence properties of Ho ³⁺ doped YAlO ₃ nanophosphors synthesized through solution combustion route. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 115, 234-243.	2.0	47
40	Synthesis, luminescence and EPR studies on CaSiO ₃ : Pb, Mn-nano phosphors synthesized by the solution combustion method. <i>Ceramics International</i> , 2013, 39, 1917-1922.	2.3	19
41	Structural, EPR, optical and magnetic properties of $\hat{\pm}$ -Fe ₂ O ₃ nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 104, 512-518.	2.0	43
42	Luminescent characteristics of Eu ³⁺ doped di-calcium silicate nano-powders for white LEDs. <i>Journal of Alloys and Compounds</i> , 2013, 575, 434-443.	2.8	37
43	Infrared emissions in MgSrAl ₁₀ O ₁₇ :Er ³⁺ phosphor co-doped with Yb ³⁺ /Ba ²⁺ /Ca ²⁺ obtained by solution combustion route. <i>Journal of Luminescence</i> , 2013, 134, 396-400.	1.5	6
44	Photoluminescence study of nanocrystalline Y ₂ O ₃ :Ho ³⁺ phosphor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 109, 206-212.	2.0	34
45	Synthesis, characterization, EPR, photo and thermoluminescence properties of YAlO ₃ :Ni ²⁺ nanophosphors. <i>Journal of Luminescence</i> , 2013, 135, 105-112.	1.5	44
46	Effect of Calcination Temperature on Structural, Photoluminescence, and Thermoluminescence Properties of Y ₂ O ₃ :Eu ³⁺ Nanophosphor. <i>Journal of Physical Chemistry C</i> , 2013, 117, 1915-1924.	1.5	142
47	Electron paramagnetic resonance, magnetic and electrical properties of CoFe ₂ O ₄ nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 339, 40-45.	1.0	45
48	Structural characterization, thermoluminescence and EPR studies of Nd ₂ O ₃ :Co ²⁺ nanophosphors. <i>Materials Research Bulletin</i> , 2013, 48, 180-187.	2.7	30
49	Influence of halide flux on the crystallinity, microstructure and thermoluminescence properties of CdSiO ₃ :Co ²⁺ nanophosphor. <i>Materials Research Bulletin</i> , 2013, 48, 158-166.	2.7	9
50	Structural, ionic and thermoluminescence properties of heavy ion (100MeV Si ⁷⁺) bombarded Zn ₂ SiO ₄ :Sm ³⁺ nanophosphor. <i>Journal of Luminescence</i> , 2013, 143, 409-417.	1.5	26
51	Effect of NaF flux on microstructure and thermoluminescence properties of Sm ³⁺ doped CdSiO ₃ nanophosphor. <i>Journal of Luminescence</i> , 2013, 134, 432-440.	1.5	25
52	Electrical Properties of Nano Zinc Ferrites Prepared by Solution Combustion and Hydrothermal Methods. <i>Materials Science Forum</i> , 2012, 710, 721-726.	0.3	2
53	Transformation of hydrothermally derived nanowire cluster intermediates into CdSiO ₃ nanobelts. <i>Journal of Materials Chemistry</i> , 2012, 22, 22392.	6.7	14
54	Luminescence and defect studies of YAlO ₃ :Dy ³⁺ , Sm ³⁺ single crystals exposed to 100 MeV Si ⁷⁺ ion beam. <i>Journal of Luminescence</i> , 2012, 132, 2679-2683.	1.5	17

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55	Microstructure, mechanical, EPR and optical properties of lithium disilicate glasses and glass-ceramics doped with Mn ²⁺ ions. <i>Journal of Alloys and Compounds</i> , 2012, 512, 105-114.	2.8	34
56	CdSiO ₃ :Pr ³⁺ nanophosphor: Synthesis, characterization and thermoluminescence studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 99, 279-287.	2.0	54
57	Influence of annealing temperature on Raman and photoluminescence spectra of electron beam evaporated TiO ₂ thin films. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 99, 33-36.	2.0	48
58	Structural characterization, EPR and thermoluminescence properties of Cd _{1-x} Ni _x SiO ₃ nanocrystalline phosphors. <i>Materials Research Bulletin</i> , 2012, 47, 2306-2314.	2.7	30
59	Spherical and rod-like Gd ₂ O ₃ :Eu ³⁺ nanophosphors—Structural and luminescent properties. <i>Bulletin of Materials Science</i> , 2012, 35, 519-527.	0.8	48
60	Electron paramagnetic resonance and photoluminescence properties of γ -Al ₂ O ₃ :Cr ³⁺ phosphors. <i>Applied Physics B: Lasers and Optics</i> , 2012, 107, 489-495.	1.1	35
61	Synthesis, characterization, thermo- and photoluminescence properties of Bi ³⁺ co-doped Gd ₂ O ₃ :Eu ³⁺ nanophosphors. <i>Applied Physics B: Lasers and Optics</i> , 2012, 107, 503-511.	1.1	15
62	Structural, EPR, photo and thermoluminescence properties of ZnO:Fe nanoparticles. <i>Materials Chemistry and Physics</i> , 2012, 133, 876-883.	2.0	55
63	Structural and phase dependent thermo and photoluminescent properties of Dy(OH) ₃ and Dy ₂ O ₃ nanorods. <i>Materials Research Bulletin</i> , 2012, 47, 2085-2094.	2.7	33
64	Enhanced photoluminescence of Gd ₂ O ₃ :Eu ³⁺ nanophosphors with alkali (M=Li ⁺ , Na ⁺ , K ⁺) metal ion co-doping. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 86, 8-14.	2.0	83
65	Ionoluminescence studies of natural kyanite mineral from different parts of Indian origin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 86, 15-19.	2.0	2
66	Ion beam induced amorphization and bond breaking in Zn ₂ SiO ₄ :Eu ³⁺ nanocrystalline phosphor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 90, 18-21.	2.0	23
67	Thermoluminescence and EPR studies of nanocrystalline Nd ₂ O ₃ :Ni ²⁺ phosphor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 93, 228-234.	2.0	27
68	Combustion synthesis, structural characterization, thermo and photoluminescence studies of CdSiO ₃ :Dy ³⁺ nanophosphor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 93, 140-148.	2.0	50
69	Swift heavy ion induced structural, ionic and photoluminescence properties of γ -CaSiO ₃ :Dy ³⁺ nanophosphor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 93, 300-305.	2.0	11
70	Structural, EPR, optical and Raman studies of Nd ₂ O ₃ :Cu ²⁺ nanophosphors. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 94, 365-371.	2.0	25
71	Water-repellent coatings prepared by modification of ZnO nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 94, 352-356.	2.0	27
72	Influence of Sn doping on structural, optical and electrical properties of ZnO thin films prepared by cost effective sol-gel process. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 95, 423-426.	2.0	27

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73	YAlO ₃ :Cr ³⁺ nanophosphor: Synthesis, photoluminescence, EPR, dosimetric studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 96, 154-162.	2.0	48
74	Effect of different fuels on structural, thermo and photoluminescent properties of Gd ₂ O ₃ nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 96, 532-540.	2.0	86
75	Optical, electrical and structural characterization of ZnO:Al thin films prepared by a low cost sol-gel method. <i>Solid State Communications</i> , 2012, 152, 324-327.	0.9	21
76	EPR and photoluminescence properties of green light emitting LaAl ₁₁ O ₁₈ :Mn ²⁺ phosphors. <i>Physica B: Condensed Matter</i> , 2012, 407, 2289-2294.	1.3	13
77	Thermoluminescence response in gamma and UV irradiated Dy ₂ O ₃ nanophosphor. <i>Journal of Luminescence</i> , 2012, 132, 1798-1806.	1.5	46
78	Thermo, lono and photoluminescence properties of 100MeV Si ⁷⁺ ions bombarded CaSiO ₃ :Eu ³⁺ nanophosphor. <i>Journal of Luminescence</i> , 2012, 132, 2065-2071.	1.5	28
79	Thermoluminescence, photoluminescence and EPR studies on Mn ²⁺ activated yttrium aluminate (YAlO ₃) perovskite. <i>Journal of Luminescence</i> , 2012, 132, 2409-2415.	1.5	23
80	Studies on the Fabrication and Characterization of Optical Sensor Coatings for Aerodynamic Applications. <i>Journal of Applied Sciences</i> , 2012, 12, 1646-1650.	0.1	2
81	Synthesis and characterization of spherical and rod like nanocrystalline Nd ₂ O ₃ phosphors. <i>Journal of Alloys and Compounds</i> , 2011, 509, 1146-1151.	2.8	58
82	Effect of Li ⁺ -ion on enhancement of photoluminescence in Gd ₂ O ₃ :Eu ³⁺ nanophosphors prepared by combustion technique. <i>Journal of Alloys and Compounds</i> , 2011, 509, 2368-2374.	2.8	135
83	Structural, optical and EPR studies on ZnO:Cu nanopowders prepared via low temperature solution combustion synthesis. <i>Journal of Alloys and Compounds</i> , 2011, 509, 5349-5355.	2.8	272
84	Combustion synthesis, characterization and Raman studies of ZnO nanopowders. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 81, 53-58.	2.0	143
85	EPR, thermo and photoluminescence properties of ZnO nanopowders. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 81, 59-63.	2.0	58
86	Optical, electrical and dielectric properties of TiO ₂ -SiO ₂ films prepared by a cost effective sol-gel process. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 83, 614-617.	2.0	35
87	Effect of annealing temperature on electrical and nano-structural properties of sol-gel derived ZnO thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2011, 22, 1415-1419.	1.1	15
88	Effect of particle size and dopant concentration on photophysical properties of Eu ³⁺ -doped rare earth oxysulphide phosphor coatings. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 783-787.	2.0	13
89	Hydrothermal synthesis, characterization and Raman studies of Eu ³⁺ activated Gd ₂ O ₃ nanorods. <i>Physica B: Condensed Matter</i> , 2011, 406, 1639-1644.	1.3	43
90	Fabrication of superhydrophobic surfaces based on ZnO-PDMS nanocomposite coatings and study of its wetting behaviour. <i>Applied Surface Science</i> , 2011, 257, 8569-8575.	3.1	83

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91	Thermo and photoluminescence properties of Eu ³⁺ activated hexagonal, monoclinic and cubic gadolinium oxide nanorods. <i>Physica B: Condensed Matter</i> , 2011, 406, 1645-1652.	1.3	29
92	Enhanced blue emission and EPR study of LaMgAl ₁₁ O ₁₉ :Eu phosphors. <i>Journal of Luminescence</i> , 2011, 131, 247-252.	1.5	25
93	EPR and photoluminescence properties of Mn ²⁺ -activated zinc gallate phosphor prepared by urea combustion route and post heat treatment. <i>Journal of Luminescence</i> , 2011, 131, 1789-1794.	1.5	13
94	Photoluminescence and EPR studies of BaMgAl ₁₀ O ₁₇ :Eu ²⁺ phosphor with blue-emission synthesized by the solution combustion method. <i>Journal of Luminescence</i> , 2011, 131, 1714-1718.	1.5	31
95	Synthesis, characterization and photoluminescence properties of CaSiO ₃ :Eu ³⁺ red phosphor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 64-69.	2.0	72
96	Spectroscopic and electrical properties of SiO ₂ films prepared by simple and cost effective sol-gel process. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 695-699.	2.0	14
97	EPR and photoluminescence studies of ZnO:Mn nanophosphors prepared by solution combustion route. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 476-480.	2.0	40
98	Temperature dependence on the electron paramagnetic resonance spectra of natural jasper from Taroko Gorge (Taiwan). <i>Physics and Chemistry of Minerals</i> , 2010, 37, 201-208.	0.3	4
99	Green luminescence and EPR studies on Mn-activated yttrium aluminum garnet phosphor. <i>Applied Physics B: Lasers and Optics</i> , 2010, 98, 407-415.	1.1	30
100	Influence of surfactant and annealing temperature on optical properties of sol-gel derived nano-crystalline TiO ₂ thin films. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 75, 1073-1077.	2.0	27
101	Effect of sintering on optical, structural and photoluminescence properties of ZnO thin films prepared by sol-gel process. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 77, 330-333.	2.0	27
102	Luminescence and EPR studies of Eu ²⁺ doped BaAl ₁₂ O ₁₉ blue light emitting phosphors. <i>Journal of Luminescence</i> , 2010, 130, 703-708.	1.5	36
103	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. <i>Journal of Molecular Structure</i> , 2010, 975, 93-99.	1.8	69
104	Synthesis, characterization and photoluminescence properties of Gd ₂ O ₃ :Eu ³⁺ nanophosphors prepared by solution combustion method. <i>Physica B: Condensed Matter</i> , 2010, 405, 3795-3799.	1.3	29
105	EPR and optical absorption studies of Fe ³⁺ ions in sodium borophosphate glasses. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 1651-1655.	1.9	46
106	EPR, optical absorption and photoluminescence properties of MnO ₂ doped 23B ₂ O ₃ -5ZnO-72Bi ₂ O ₃ glasses. <i>Physica B: Condensed Matter</i> , 2010, 405, 2157-2161.	1.3	35
107	Hydrothermal synthesis and characterization of CaSO ₄ pseudomicrospheres. <i>Philosophical Magazine Letters</i> , 2010, 90, 289-298.	0.5	10
108	Synthesis, characterization and photoluminescence properties of CaSiO ₃ :Dy ³⁺ nanophosphors. <i>Philosophical Magazine</i> , 2010, 90, 3567-3579.	0.7	25

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109	SOL-GEL SYNTHESIS, CHARACTERIZATION AND OPTICAL PROPERTIES OF TiO_2 THIN FILMS DEPOSITED ON ITO/GLASS SUBSTRATES. Modern Physics Letters B, 2010, 24, 807-816.	1.0	12
110	Synthesis, characterization and photoluminescence of Eu^{3+} , Ce^{3+} co-doped $\text{CaLaAl}_3\text{O}_7$ phosphors. Philosophical Magazine, 2010, 90, 3095-3105.	0.7	16
111	Dielectric relaxation and ion transport in silver-boro-tellurite glasses. Philosophical Magazine, 2010, 90, 2635-2650.	0.7	16
112	EPR, FTIR, optical absorption and photoluminescence studies of Fe_2O_3 and CeO_2 doped $\text{ZnO-Bi}_2\text{O}_3\text{-B}_2\text{O}_3$ glasses. Journal of Alloys and Compounds, 2010, 493, 256-262.	2.8	114
113	EPR, optical absorption and photoluminescence properties of Cr^{3+} ions in lithium borophosphate glasses. Journal of Alloys and Compounds, 2010, 496, 75-80.	2.8	52
114	Effect of fuel on the formation structure, transport and magnetic properties of LaMnO_3 nanopowders. Philosophical Magazine, 2010, 90, 2009-2025.	0.7	15
115	Thermoluminescence and defect study of MgSiO_3 ceramics. Philosophical Magazine, 2010, 90, 1567-1574.	0.7	10
116	Determination of the chemical states of impurities in natural kyanite by the ionoluminescence technique. Philosophical Magazine, 2009, 89, 995-1004.	0.7	14
117	Characterization, EPR and photoluminescence studies of $\text{LiAl}_5\text{O}_8:\text{Cr}$ phosphors. Solid State Sciences, 2009, 11, 870-874.	1.5	40
118	Electron paramagnetic resonance studies on clinocllore from Longitudinal Valley area, northeastern Taiwan. Physics and Chemistry of Minerals, 2009, 36, 447-453.	0.3	9
119	Spectroscopic and optical properties of Nd^{3+} doped fluorine containing alkali and alkaline earth zinc-aluminophosphate optical glasses. Physica B: Condensed Matter, 2009, 404, 3717-3721.	1.3	68
120	Swift heavy ion irradiation induced phase transformation in calcite single crystals. Solid State Communications, 2009, 149, 1905-1908.	0.9	6
121	Combustion synthesized $\text{MgAl}_2\text{O}_4:\text{Cr}$ phosphors—An EPR and optical study. Journal of Luminescence, 2009, 129, 130-134.	1.5	51
122	EPR and luminescence properties of $\text{LiGa}_5\text{O}_8:\text{Mn}$ green emitting phosphor. Journal of Luminescence, 2009, 129, 755-759.	1.5	22
123	Infrared and visible emission of Er^{3+} in combustion-synthesized CaAl_2O_4 phosphors. Journal of Luminescence, 2009, 129, 1375-1380.	1.5	28
124	Optical absorption and photoluminescence properties of Nd^{3+} doped mixed alkali phosphate glasses-spectroscopic investigations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 72, 171-177.	2.0	27
125	Photoluminescence studies of 100MeV Ni^{8+} ion irradiated Al_2O_3 single crystals. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 73, 637-641.	2.0	10
126	EPR and IR spectral investigations on some leafy vegetables of Indian origin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 74, 140-147.	2.0	12

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127	Optical, dielectric and morphological studies of sol-gel derived nanocrystalline TiO ₂ films. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 74, 839-842.	2.0	22
128	Elastic properties of Na ₂ O-B ₂ O ₃ -V ₂ O ₅ glasses. Journal of Alloys and Compounds, 2009, 479, 17-21.	2.8	24
129	Raman and infrared study of 100MeV swift Ag ⁸⁺ heavy ion irradiation effects in CaSO ₄ ·2H ₂ O single crystals. Journal of Alloys and Compounds, 2009, 482, 308-312.	2.8	6
130	EPR and photoluminescence studies on lithium-potassium borophosphate glasses doped with Mn ²⁺ ions. Journal of Alloys and Compounds, 2009, 486, 46-50.	2.8	22
131	Nd ₂ O ₃ : Eu ³⁺ nanocrystalline phosphor—a new potential thermoluminescing material for dosimetry. Philosophical Magazine Letters, 2009, 89, 589-597.	0.5	5
132	EPR Study of Fe ³⁺ and Ni ²⁺ -Doped Macroporous CaSiO ₃ Ceramics. Applied Magnetic Resonance, 2008, 33, 137-152.	0.6	13
133	EPR and Optical Studies of Mo ⁵⁺ Ions in Lithium Molybdo borate Glasses. Applied Magnetic Resonance, 2008, 35, 1-13.	0.6	11
134	Luminescence and EPR studies of Mn-activated SrAl ₂ O ₉ phosphor prepared by facile combustion approach. Physica B: Condensed Matter, 2008, 403, 120-125.	1.3	10
135	Synthesis, characterization and optical properties of LaAlO ₃ :Ho ³⁺ phosphor. Physica B: Condensed Matter, 2008, 403, 3781-3785.	1.3	31
136	EPR as an analytical tool in assessing the mineral nutrients and irradiated food products—vegetables. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 71, 809-813.	2.0	6
137	Characterization, EPR and luminescence studies of ZnAl ₂ O ₄ :Mn phosphors. Journal of Luminescence, 2008, 128, 394-402.	1.5	91
138	Mn ²⁺ activated MgSrAl ₁₀ O ₁₇ green-emitting phosphor—A luminescence and EPR study. Journal of Luminescence, 2008, 128, 1474-1478.	1.5	38
139	Ion beam-induced luminescence and photoluminescence of 100 MeV Si ⁸⁺ ion irradiated kyanite single crystals. Solid State Communications, 2008, 147, 377-380.	0.9	12
140	Magnetoresistive studies on nanocrystalline La _{0.8} Sr _{0.2} MnO ₃ +δ manganite. Physica B: Condensed Matter, 2008, 403, 3360-3364.	1.3	16
141	Spectroscopic investigations on Ho ³⁺ doped mixed alkali phosphate glasses. Optical Materials, 2008, 30, 1635-1643.	1.7	11
142	Infrared and MAS NMR studies of potassium borovanadate glasses. Journal of Molecular Structure, 2008, 889, 197-203.	1.8	9
143	EPR and luminescence properties of combustion synthesized LiAl ₅ O ₈ :Mn phosphors. Materials Chemistry and Physics, 2008, 110, 43-51.	2.0	31
144	Studies on red-emitting Cr ³⁺ doped barium aluminate phosphor obtained by combustion process. Materials Chemistry and Physics, 2008, 111, 143-148.	2.0	51

#	ARTICLE	IF	CITATIONS
145	Photoluminescence and EPR studies of Cr-doped hibonite (CaAl ₁₂ O ₁₉) phosphors. Solid State Sciences, 2008, 10, 1525-1532.	1.5	41
146	Elastic properties and structural studies on lead-boro-vanadate glasses. Journal of Non-Crystalline Solids, 2008, 354, 32-40.	1.5	56
147	Synthesis, characterization, photoluminescence and EPR investigations of Mn doped MgAl ₂ O ₄ phosphors. Journal of Solid State Chemistry, 2007, 180, 2067-2074.	1.4	73
148	Combustion synthesis, characterization and metal-insulator transition studies of nanocrystalline La _{1-x} CaxMnO ₃ (0.0 ≤ x ≤ 0.5). Materials Chemistry and Physics, 2007, 102, 47-52.	2.0	42
149	Elastic properties and spectroscopic studies of fast ion conducting Li ₂ OZnOB ₂ O ₃ glass system. Materials Research Bulletin, 2007, 42, 1337-1347.	2.7	46
150	Spectral studies of Sm ³⁺ and Dy ³⁺ doped lithium cesium mixed alkali borate glasses. Journal of Non-Crystalline Solids, 2006, 352, 3914-3922.	1.5	34
151	Mixed alkali effect in Li ₂ O-Na ₂ O-B ₂ O ₃ glasses containing CuO - An EPR and optical study. Journal of Non-Crystalline Solids, 2006, 352, 3864-3871.	1.5	80
152	Optical absorption and emission properties of Pr ³⁺ and Er ³⁺ in lithium cesium mixed alkali borate glasses. Journal of Luminescence, 2006, 118, 227-237.	1.5	20
153	Solution combustion derived nanocrystalline macroporous wollastonite ceramics. Materials Chemistry and Physics, 2006, 95, 169-175.	2.0	129
154	Absorption and emission properties of Nd ³⁺ in lithium cesium mixed alkali borate glasses. Solid State Communications, 2005, 136, 45-50.	0.9	12
155	Synthesis, structural and transport properties of nanocrystalline La _{1-x} BaxMnO ₃ (0.0 ≤ x ≤ 0.3) powders. Solid State Communications, 2005, 136, 427-432.	0.9	21
156	Influence of mixed alkali on the spectral properties of vanadyl ions doped xNa ₂ O-(30-x)K ₂ O-60B ₂ O ₃ glasses - an EPR and optical study. Materials Research Bulletin, 2005, 40, 1028-1043.	2.7	13
157	Optical absorption and fluorescence properties of Er ³⁺ in sodium borate glass. Bulletin of Materials Science, 2005, 28, 461-465.	0.8	2
158	Synthesis, Characterization and TL Studies of Porous CaSiO ₃ Ceramic Powders. Transactions of the Indian Ceramic Society, 2005, 64, 157-162.	0.4	2
159	The effect of mixed alkali on EPR and optical absorption spectra in mixed alkali borate xNa ₂ O-(30-x)K ₂ O-70B ₂ O ₃ glasses doped with iron ions. Journal of Non-Crystalline Solids, 2005, 351, 1289-1299.	1.5	21
160	Solution combustion derived nanocrystalline Zn ₂ SiO ₄ :Mn phosphors: A spectroscopic view. Journal of Chemical Physics, 2004, 121, 10250-10259.	1.2	100
161	EPR and optical investigations of Eu ²⁺ -doped BaFCl phosphor. Physica B: Condensed Matter, 2004, 348, 446-453.	1.3	22
162	EPR, luminescence and IR studies of Mn activated ZnGa ₂ O ₄ phosphor. Journal of Physics and Chemistry of Solids, 2004, 65, 1367-1372.	1.9	26

#	ARTICLE	IF	CITATIONS
163	Optical absorption and luminescence properties of Nd ³⁺ in mixed alkali borate glasses – Spectroscopic investigations. <i>Journal of Luminescence</i> , 2004, 110, 65-77.	1.5	28
164	Spectroscopic investigations of Mn ²⁺ ions doped polyvinylalcohol films. <i>Polymer</i> , 2004, 45, 5407-5415.	1.8	96
165	Influence of Nd ³⁺ concentration on its optical absorption and luminescence properties in potassium borate glass. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 236, 200-208.	0.7	6
166	Mixed alkali effect in borate glasses - electron paramagnetic resonance and optical absorption studies in Cu ²⁺ doped (30 Å)K ₂ O·7B ₂ O ₃ glasses. <i>Journal of Physics Condensed Matter</i> , 2003, 15, 1469-1486.	0.7	39
167	A Study of Electron Paramagnetic Resonance and Optical Absorption Spectra of VO ²⁺ Ions in Alkali Barium Phosphate Glasses. <i>International Journal of Modern Physics B</i> , 2003, 17, 3033-3047.	1.0	13
168	The effect of host glass on optical absorption and fluorescence of Nd ³⁺ in (30 Å)K ₂ O·7B ₂ O ₃ glasses. <i>Journal of Physics Condensed Matter</i> , 2003, 15, 6715-6730.	0.7	21
169	Electron paramagnetic resonance and optical absorption studies of Fe(III) ions in alkali barium borate glasses. <i>Optical Materials</i> , 1998, 10, 109-116.	1.7	22