

R V S S N Ravikumar

List of Publications by Year in descending order

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167
papers

2,869
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172457

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#	ARTICLE	IF	CITATIONS
1	Enhanced visible light photocatalytic activity of Cu-doped SnO ₂ quantum dots by solution combustion synthesis. <i>Journal of Alloys and Compounds</i> , 2017, 703, 330-336.	5.5	127
2	Green synthesis and characterization of Ag nanoparticles from <i>Mangifera indica</i> leaves for dental restoration and antibacterial applications. <i>Progress in Biomaterials</i> , 2017, 6, 57-66.	4.5	78
3	Correlation between physical and structural properties of Co ²⁺ doped mixed alkali zinc borate glasses. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 3373-3380.	3.1	73
4	Spectroscopic characteristics of Sm ³⁺ -doped alkali fluorophosphate glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 64, 939-944.	3.9	71
5	Spectroscopic studies of transition metal doped sodium phosphate glasses. <i>Journal of Alloys and Compounds</i> , 2004, 364, 176-179.	5.5	66
6	Improved photocatalytic activity of MoS ₂ nanosheets decorated with SnO ₂ nanoparticles. <i>RSC Advances</i> , 2015, 5, 86675-86684.	3.6	62
7	Tetragonal site of transition metal ions doped sodium phosphate glasses. <i>Journal of Alloys and Compounds</i> , 2002, 337, 272-276.	5.5	61
8	EPR and optical studies on transition metal doped LiRbB ₄ O ₇ glasses. <i>Journal of Physics and Chemistry of Solids</i> , 2003, 64, 261-264.	4.0	60
9	Site symmetry of Mn(II) and Co(II) in zinc phosphate glass. <i>Journal of Physics and Chemistry of Solids</i> , 2003, 64, 2433-2436.	4.0	58
10	CuO NANOPARTICLES: SYNTHESIS, CHARACTERIZATION AND THEIR BACTERICIDAL EFFICACY. <i>International Journal of Applied Pharmaceutics</i> , 2017, 9, 71.	0.3	56
11	Room temperature ferromagnetism and optical properties of Cu ²⁺ doped ZnO nanopowder by ultrasound assisted solid state reaction technique. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 355, 76-80.	2.3	49
12	Physical, structural and spectroscopic investigations of Sm ³⁺ doped ZnO mixed alkali borate glass. <i>Journal of Molecular Structure</i> , 2015, 1096, 129-135.	3.6	49
13	Synthesis and characterization of VO ₂ ⁺ doped ZnO-CdS composite nanopowder. <i>Journal of Molecular Structure</i> , 2015, 1081, 254-259.	3.6	49
14	Physical and optical properties of Co ²⁺ , Ni ²⁺ doped 20ZnO+xLi ₂ O+(30-x)K ₂ O+50B ₂ O ₃ (5% x=25) glasses: Observation of mixed alkali effect. <i>Materials Research Bulletin</i> , 2012, 47, 2646-2654.	5.2	48
15	Structural and optical properties of vanadium doped SnO ₂ nanoparticles with high photocatalytic activities. <i>Journal of Luminescence</i> , 2016, 179, 26-34.	3.1	47
16	Spectral investigations on undoped and Cu ²⁺ doped ZnO-CdS composite nanopowders. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 139, 86-93.	3.9	46
17	Lasing properties of Pr ³⁺ -doped tellurofluorophosphate glasses. <i>Materials Chemistry and Physics</i> , 2005, 93, 455-460.	4.0	39
18	Structural, optical and magnetic properties of Mn ²⁺ doped ZnO-CdS composite nanopowder. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 201, 72-78.	3.5	39

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19	Spectral characterizations of undoped and Cu ²⁺ -doped CdO nanopowder. <i>Journal of Molecular Structure</i> , 2014, 1063, 178-183.	3.6	38
20	Characterization of Cr ³⁺ -doped mixed alkali ions effect in zinc borate glasses – Physical and spectroscopic investigations. <i>Optical Materials</i> , 2014, 36, 1329-1335.	3.6	37
21	Identification of chromium and nickel sites in zinc phosphate glasses. <i>Journal of Molecular Structure</i> , 2005, 740, 169-173.	3.6	36
22	Effect of Li ₂ O content on physical and structural properties of vanadyl doped alkali zinc borate glasses. <i>Physica B: Condensed Matter</i> , 2011, 406, 2132-2137.	2.7	34
23	Structural, optical, and improved photocatalytic properties of CdS/SnO ₂ hybrid photocatalyst nanostructure. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017, 221, 63-72.	3.5	34
24	An investigation of the optical properties of Nd ³⁺ ions in alkali tellurofluorophosphate glasses. <i>Optical Materials</i> , 2007, 29, 1321-1326.	3.6	32
25	Synthesis and spectral characterizations of trivalent ions (Cr ³⁺ , Fe ³⁺) doped CdO nanopowders. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 121, 544-550.	3.9	32
26	Structural and optical properties of CdO/ZnS core/shell nanocomposites. <i>Journal of Alloys and Compounds</i> , 2015, 628, 39-45.	5.5	32
27	Physical and spectral investigations of Mn ²⁺ ions doped poly vinyl alcohol capped ZnSe nanoparticles. <i>Journal of Molecular Structure</i> , 2011, 1006, 344-347.	3.6	30
28	Synthesis and structural characterization of Co ²⁺ ions doped ZnO nanopowders by solid state reaction through sonication. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 109, 90-96.	3.9	30
29	Structural, spectroscopic and magnetic characterization of undoped, Ni ²⁺ -doped ZnO nanopowders. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 372, 79-85.	2.3	30
30	Spectroscopic investigations and physical properties of Mn ²⁺ -doped mixed alkali zinc borate glasses. <i>Materials Research Bulletin</i> , 2011, 46, 2222-2229.	5.2	29
31	Structural and optical investigations on ZnCdO nanopowder. <i>Physica Scripta</i> , 2012, 86, 035708.	2.5	29
32	Optical and structural properties of undoped and Mn ²⁺ -doped Ca-Li hydroxyapatite nanopowders using mechanochemical synthesis. <i>Journal of Luminescence</i> , 2015, 159, 119-127.	3.1	28
33	Electron paramagnetic resonance and optical absorption spectra of Cr ³⁺ ions in cadmium phosphate glass. <i>Solid State Communications</i> , 2003, 126, 251-253.	1.9	27
34	Mixed alkali effect and optical properties of Ni ²⁺ -doped 20ZnO+xLi ₂ O+(30-x)Na ₂ O+50B ₂ O ₃ glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 1116-1122.	3.9	27
35	Characterization of Fe ³⁺ -doped mixed alkali zinc borate glasses – Physical and spectroscopic investigations. <i>Journal of Non-Crystalline Solids</i> , 2013, 365, 6-12.	3.1	27
36	Single crystal EPR and optical studies of paramagnetic ions doped zinc potassium phosphate hexahydrate – Part I: Cu(II) – a case of orthorhombic symmetry. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2001, 57, 2781-2787.	3.9	26

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37	Investigations of the optical and EPR properties of LiGa ₅ O ₈ :Cr ³⁺ phosphor. Materials Research Bulletin, 2015, 61, 183-188.	5.2	26
38	Spectral characterization of mechanically synthesized MoO ₃ -CuO nanocomposite. International Nano Letters, 2016, 6, 119-128.	5.0	25
39	A novel orange emitting Sm ³⁺ ions doped NaCaAlPO ₄ F ₃ phosphor: Optical and luminescence properties. Journal of Molecular Structure, 2017, 1130, 96-102.	3.6	25
40	Effect of cobalt concentration on morphology of Co-doped SnO ₂ nanostructures synthesized by solution combustion method. Journal of Materials Science: Materials in Electronics, 2016, 27, 5197-5203.	2.2	24
41	Optical absorption spectrum of dysprosium doped zinc phosphate glass. Optical Materials, 2003, 22, 215-220.	3.6	23
42	Spectral Investigations on Cu ²⁺ -Doped ZnO Nanopowders. Applied Magnetic Resonance, 2011, 41, 69-78.	1.2	23
43	Mixed alkali effect in Mn ²⁺ doped 20ZnO+xLi ₂ O+(30-x)K ₂ O+50B ₂ O ₃ (5x ^{1/2}) glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 101, 140-147.	3.9	23
44	EPR and Optical Studies of Fe ³⁺ -Doped Ca ²⁺ -Li Hydroxyapatite Nanopowder: Mechanochemical Synthesis. Applied Magnetic Resonance, 2015, 46, 1-15.	1.2	22
45	Enhanced Photocatalytic Activity of ZnO@CdS Composite Nanostructures towards the Degradation of Rhodamine B under Solar Light. Catalysts, 2022, 12, 84.	3.5	22
46	Optical absorption and EPR spectral studies on vanadyl doped zinc phosphate glass. Journal of Alloys and Compounds, 1999, 287, 84-86.	5.5	21
47	Single crystal EPR and optical studies of paramagnetic ions doped zinc potassium phosphate hexahydrate—Part II: VO(II)—a case of substitutional site. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2001, 57, 2789-2794.	3.9	21
48	Spectroscopic studies of copper-doped ARbB ₄ O ₇ (A=Na, K) glasses. Physica B: Condensed Matter, 2003, 334, 398-402.	2.7	21
49	Strontium Tetraborate Glasses Doped with Transition Metal Ions: EPR and Optical Absorption Study. Applied Magnetic Resonance, 2008, 33, 185-195.	1.2	21
50	Synthesis and characterization of undoped and Fe(III) ions doped NaCaAlPO ₄ F ₃ phosphor. Journal of Luminescence, 2014, 145, 324-329.	3.1	21
51	Influence of calcination temperature on Cd _{0.3} Co _{0.7} Fe ₂ O ₄ nanoparticles: Structural, thermal and magnetic properties. Journal of Magnetism and Magnetic Materials, 2015, 394, 70-76.	2.3	21
52	Investigation and Comparison of Optical and Raman Bands of Mechanically Synthesised MoO ₃ Nano Powders. Materials Today: Proceedings, 2016, 3, 54-63.	1.8	21
53	Spectroscopic investigations on vanadyl doped cadmium struvite. Physica Scripta, 1997, 55, 637-638.	2.5	20
54	Orthorhombic Site Symmetry of Cr ³⁺ in ZnNH ₄ PO ₄ ·6H ₂ O Crystals. Crystal Research and Technology, 1999, 34, 911-914.	1.3	19

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55	Spectral Studies on VO ₂ ⁺ doped MPPH Crystals. <i>Crystal Research and Technology</i> , 2000, 35, 1203-1207.	1.3	18
56	Sonochemical assisted synthesis and spectroscopic characterization of Fe ³⁺ doped ZnO diluted magnetic semiconductor. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 4179-4186.	2.2	18
57	Optical and EPR investigations on smithsonite minerals. <i>Radiation Effects and Defects in Solids</i> , 2004, 159, 141-147.	1.2	17
58	Physical and Spectral Investigations of Cu ²⁺ -Doped Alkali Zinc Borate Glasses. <i>Applied Magnetic Resonance</i> , 2011, 40, 339-350.	1.2	17
59	Optical and EPR spectra of libethenite mineral. <i>Ferroelectrics</i> , 1995, 166, 55-62.	0.6	16
60	Variable temperature EPR study for confirming dynamic Jahn-Teller distortion in Cu(II) doped zinc ammonium phosphate hexahydrate. <i>Journal of Physics and Chemistry of Solids</i> , 2003, 64, 1139-1146.	4.0	16
61	Optical and EPR studies of iron bearing phosphate minerals: satterlyite and gormanite from Yukon Territory, Canada. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003, 59, 2115-2121.	3.9	16
62	Identification of doped paramagnetic vanadyl impurity in dipotassium diaquabis(malonato-Î² ₂ O, Oâ€²) zincate dihydrate single crystal using EPR and optical techniques. <i>Radiation Effects and Defects in Solids</i> , 2006, 161, 177-187.	1.2	16
63	Structural, optical and magnetic properties of Cr ³⁺ doped ZnO nanopowder. <i>Indian Journal of Physics</i> , 2014, 88, 683-690.	1.8	16
64	Structural and luminescent properties of PVA capped ZnSe nanoparticles. <i>Materials Research Innovations</i> , 2018, 22, 37-42.	2.3	16
65	Site determination of vanadyl impurity in cadmium sodium sulphate hexahydrate: single crystal EPR and optical studies. <i>Physica Scripta</i> , 2006, 74, 549-554.	2.5	15
66	Spectroscopic investigations of Fe ³⁺ doped poly vinyl alcohol (PVA) capped ZnSe nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 98, 100-104.	3.9	15
67	Synthesis and spectral characterizations of Fe ³⁺ doped Î²-BaB ₂ O ₄ nano crystallite powder. <i>Journal of Molecular Structure</i> , 2012, 1012, 17-21.	3.6	15
68	Cu ²⁺ Doped PVA Passivated ZnSe Nanoparticles-Preparation, Characterization and Properties. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 350-356.	3.7	15
69	Single Crystal EPR and Optical Studies of Cu(II) Doped Zinc Ammonium Phosphate Hexahydrate: A Case of Rhombic Distortion. <i>Physica Scripta</i> , 2002, 66, 391-394.	2.5	14
70	X-Ray Powder Diffraction, DTA and Vibrational Studies of CdNH ₄ PO ₄ .6H ₂ O Crystals. <i>Crystal Research and Technology</i> , 2002, 37, 1127-1132.	1.3	14
71	Spectroscopic studies on Fe ³⁺ and Mn ²⁺ doped SrB ₄ O ₇ glasses. <i>Physica B: Condensed Matter</i> , 2011, 406, 3295-3298.	2.7	14
72	Spectral investigations of Cu ²⁺ doped beta-barium borate nanopowder by the co-precipitation method. <i>Physica Scripta</i> , 2011, 84, 025602.	2.5	14

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73	Effect of Co ²⁺ and Ni ²⁺ -doped zinc borate nano crystalline powders by co-precipitation method. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 142, 279-285.	3.9	14
74	A facile synthesis and spectral characterization of Cu ²⁺ doped CdO/ZnS nanocomposite. Journal of Magnetism and Magnetic Materials, 2015, 384, 6-12.	2.3	14
75	Structural and optical properties of Fe-doped SnO ₂ quantum dots. Materials Research Express, 2017, 4, 125021.	1.6	14
76	Structural, optical, magnetic and thermal investigations on Cr ³⁺ ions doped ZnS nanocrystals by co-precipitation method. Journal of Science: Advanced Materials and Devices, 2019, 4, 260-266.	3.1	14
77	Novel Fe-doped ZnO-CdS nanocomposite with enhanced visible light-driven photocatalytic performance. Materials Research Innovations, 2021, 25, 215-220.	2.3	14
78	Synthesis and optical properties of Co ²⁺ and Ni ²⁺ ions doped β -BaB ₂ O ₄ nanopowders. Journal of Luminescence, 2012, 132, 2325-2329.	3.1	13
79	Synthesis and spectral investigations of Cu(II) ion doped NaCaAlPO ₄ F ₃ phosphor. Luminescence, 2014, 29, 1123-1129.	2.9	13
80	Investigations of VO ²⁺ doped SrZn ₂ (PO ₄) ₂ nanophosphors by solution combustion synthesis. Journal of Alloys and Compounds, 2019, 787, 276-283.	5.5	13
81	Molecular structural identification of Cu(II) ion in Diaquamalonatozinc(II): Anisotropic behavior with low hyperfine coupling constant. Journal of Molecular Structure, 2007, 839, 2-9.	3.6	12
82	Synthesis and spectroscopic characterization of Mn(II) doped organic amine templated chlorocadmiumphosphate CdHPO ₄ Cl·[H ₃ N(CH ₂) ₆ NH ₃] _{0.5} crystals. Journal of Coordination Chemistry, 2011, 64, 4276-4285.		12
83	Synthesis and characterization of undoped and Mn(II) ions doped Li ₂ CaAl ₄ (PO ₄) ₄ F ₄ nanophosphors. Journal of Molecular Structure, 2014, 1076, 461-467.	3.6	12
84	Mechanical Milling Influence on Lattice Vibrational Behaviour of MoO ₃ -V ₂ O ₅ Composite Nanopowders. Silicon, 2019, 11, 1517-1524.	3.3	12
85	Structural investigations on Cu ²⁺ ions doped ZnCdO nanopowder. Journal of Molecular Structure, 2013, 1034, 57-61.	3.6	11
86	Combustion Synthesized Cr ³⁺ -doped BaMgAl ₁₀ O ₁₇ Phosphor: An Electron Paramagnetic Resonance and Optical Study. Journal of Electronic Materials, 2016, 45, 365-373.	2.2	11
87	Electronic spectra of hexa aqua coordinated transition metal doped zinc struvite. Ferroelectrics, 1996, 189, 139-147.	0.6	10
88	Spectral investigations on melanterite mineral from France. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2001, 57, 1283-1287.	3.9	10
89	Structural and Spectral Studies of ZnKPO ₄ ·6H ₂ O Crystals. Crystal Research and Technology, 2001, 36, 1429.	1.3	10
90	Spectral investigations of Mn ²⁺ doped Zn ₃ (BO ₃) ₂ nanopowder. Journal of Molecular Structure, 2013, 1048, 64-68.	3.6	10

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91	Synthesis and spectral investigations of Mn(II) ions doped NaCaAlPO ₄ F ₃ phosphor. EPJ Applied Physics, 2014, 65, 10403.	0.7	10
92	Structural and photoluminescence studies of Co ²⁺ doped Ca ²⁺ Li hydroxyapatite nanopowders. Journal of Materials Science: Materials in Electronics, 2015, 26, 6667-6675.	2.2	10
93	Spectral Investigation of Structural and Optical Properties of Mechanically Synthesized TiO ₂ -V ₂ O ₅ Nanocomposite Powders. Materials Today: Proceedings, 2016, 3, 31-38.	1.8	10
94	Structural and luminescence studies of Dy ³⁺ -activated cadmium calcium pyrophosphate. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	10
95	Spectroscopic Investigations on Co(II) Doped ZAPH and CAPH Crystals. Ferroelectrics, 2002, 274, 127-134.	0.6	9
96	The substitutional occupation of vanadyl ion in diaquamalonatozinc(II) single crystal EPR and powder optical studies. Physica Scripta, 2007, 76, 253-258.	2.5	9
97	dc-Magnetic susceptibility and EPR studies of vapour phase grown Cd _{1-x} Co _x Te crystals. Journal of Alloys and Compounds, 2009, 470, 12-15.	5.5	9
98	Co(II) ion doped chlorocadmiumphosphate crystals: A novel organically templated hybrid open-framework. Solid State Communications, 2010, 150, 1479-1482.	1.9	9
99	Synthesis and spectroscopic characterization of Cu(II) containing chlorocadmiumphosphate Cd(HPO ₄)Cl·[H ₃ N(CH ₂) ₆ NH ₃] _{0.5} crystals. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 85, 160-164.	3.9	9
100	Detailed spectroscopic studies on cornetite from southern shaba, zaire. Ferroelectrics, 1996, 175, 175-182.	0.6	8
101	Identification of crystal symmetry in Kramers and non-Kramers ions by optical absorption: Divalent copper and nickel ions in diamagnetic lattices. Crystal Research and Technology, 2004, 39, 448-453.	1.3	8
102	Characterization of new-layered Cr(III)-doped chlorocadmiumphosphate, Cd(HPO ₄)Cl·[H ₃ N(CH ₂) ₆ NH ₃] _{0.5} crystal by EPR and optical studies. Journal of Physics and Chemistry of Solids, 2009, 70, 1363-1365.	4.0	8
103	Structural Properties of Cr ³⁺ -Doped Cadmium Oxide Nanopowders. Applied Magnetic Resonance, 2012, 42, 403-411.	1.2	8
104	Preparation and characterisation of Co(II) ion-doped poly vinyl alcohol-assisted ZnSe nano particles. Journal of Experimental Nanoscience, 2013, 8, 254-260.	2.4	8
105	Synthesis and spectroscopic studies of Fe ³⁺ -doped zinc borate powder. Journal of Molecular Structure, 2015, 1081, 311-315.	3.6	8
106	Exhibition of low hyperfine coupling constant for copper(II) in magnesium rubidium sulphate hexahydrate. Journal of Physics and Chemistry of Solids, 2007, 68, 305-310.	4.0	7
107	Investigations on vanadyl doped ARbB ₄ O ₇ (A=Li, Na, K) glasses by EPR and optical studies. Materials Chemistry and Physics, 2007, 103, 5-8.	4.0	7
108	Structural and optical properties of Cu(II) ions doped calcium borophosphate (CaBP) nanophosphor by solid-state synthesis. Journal of Materials Science: Materials in Electronics, 2016, 27, 1318-1327.	2.2	7

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109	A novel green-emitting Ni ²⁺ -doped Ca-Li hydroxyapatite nanopowders: structural, optical, and photoluminescence properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 5097-5106.	2.2	7
110	Structural, optical, and luminescence properties of Ni ²⁺ -doped ZnO@CdS nanocomposite: synthesis and investigations for green light emission. <i>Chemical Papers</i> , 2022, 76, 557-566.	2.2	7
111	Optical absorption spectra of cobalt and nickel doped kainite. <i>Solid State Communications</i> , 1994, 92, 815-819.	1.9	6
112	Cu(II), Mn(II) in tetragonal site in chrysocolla. <i>Radiation Effects and Defects in Solids</i> , 1998, 143, 263-272.	1.2	6
113	Tetrahedral site of iron in natural mineral sodalite. <i>Radiation Effects and Defects in Solids</i> , 2005, 160, 109-115.	1.2	6
114	Synthesis, characterization and biological activity of phthalimide derivatives of Cu(II) complex. <i>Radiation Effects and Defects in Solids</i> , 2007, 162, 11-16.	1.2	6
115	Structural and spectral features of Cr ³⁺ doped β -BaB ₂ O ₄ nanopowder by co-precipitation method. <i>Physica B: Condensed Matter</i> , 2013, 429, 18-23.	2.7	6
116	Structural and optical investigations of VO(II) ions doped NaCaAlPO ₄ F ₃ phosphor. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 2025-2032.	2.2	6
117	Structural, spectral, magnetic and thermal properties of VO ₂ + doped ZnS nanocrystals by co-precipitation method. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 6105-6112.	2.2	6
118	Synthesis and investigations for white LED material: VO ₂ + doped Calcium Cadmium phosphate hydrate nanophosphor. <i>Journal of Molecular Structure</i> , 2020, 1205, 127605.	3.6	6
119	Structural and luminescent properties of CaZn ₂ (PO ₄) ₂ : RE ³⁺ (RE = Er and Pr) nanophosphors for versatile device applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 11589-11598.	2.2	6
120	Spectroscopic studies of a LiRbB ₄ O ₇ :Cu(II) crystal grown by the Czochralski technique. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003, 59, 3321-3324.	3.9	5
121	EPR and optical absorption studies on manganese ion doped in mixed alkali cadmium phosphate glasses. <i>IOP Conference Series: Materials Science and Engineering</i> , 2009, 2, 012058.	0.6	5
122	Synthesis and characterization of vanadium ions containing chlorocadmiumphosphate CdHPO ₄ Cl·[H ₃ N(CH ₂) ₆ NH ₃] _{0.5} crystals. <i>Physica B: Condensed Matter</i> , 2014, 433, 7-11.	2.7	5
123	A simple sonochemical approach of Mn ²⁺ doped ZnO nanopowder: structural, optical and magnetic studies. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 191-197.	2.2	5
124	Spectroscopic studies of undoped and Mn ²⁺ -doped calcium borophosphate phosphor (CaBP) nanopowders. <i>Indian Journal of Physics</i> , 2016, 90, 185-193.	1.8	5
125	Room temperature synthesis and spectral characterization of Cu ²⁺ -doped CdO powder. <i>Indian Journal of Physics</i> , 2016, 90, 359-364.	1.8	5
126	Structural studies of Nd ³⁺ doped cadmium calcium pyrophosphate nanophosphors. <i>Materials Today: Proceedings</i> , 2020, 26, 114-116.	1.8	5

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127	Novel yellow light emission from vanadyl ions-doped calcium-lithium hydroxyapatite nanopowders: structural, optical, and photoluminescence properties. <i>Chemical Papers</i> , 2021, 75, 3989-3999.	2.2	5
128	Enhanced magnetic properties of Fe ³⁺ doped ZnS nanocrystals via low temperature co-precipitation: spintronic and nano-device applications. <i>Physica Scripta</i> , 2020, 95, 105802.	2.5	5
129	Tetrahedral site of Cu(II) in bornite and bournonite. <i>Ferroelectrics</i> , 1998, 216, 27-34.	0.6	4
130	Optical Absorption Spectra of Nickel and Cobalt Doped ZnKPO ₄ ·6H ₂ O. <i>Physica Scripta</i> , 1998, 58, 345-347.	2.5	4
131	An efficient and room temperature synthesis of Fe ³⁺ doped chlorocadmiumphosphate molecular sieves: Spectroscopic, thermal and powder XRD investigations. <i>Inorganic Chemistry Communication</i> , 2011, 14, 1048-1051.	3.9	4
132	Spectral Investigations on Cu ²⁺ -doped Li ₂ CaAl ₄ (PO ₄) ₄ F ₄ Phosphors. <i>Applied Magnetic Resonance</i> , 2015, 46, 953-964.	1.2	4
133	Synthesis and spectroscopic characterizations of copper ions doped zinc borate nanoparticles. <i>Optik</i> , 2016, 127, 4536-4540.	2.9	4
134	Investigations on structural and spectral properties of undoped and Mn ²⁺ doped SrZn ₂ (PO ₄) ₂ nanophosphors for light emitting devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 5120-5129.	2.2	4
135	Structural, Optical, and Photoluminescence Properties of Cr ³⁺ Ion-Doped ZnO-CdS Nanocomposite: Synthesis and Investigations for Yellow Emission. <i>Journal of Electronic Materials</i> , 2022, 51, 1876-1883.	2.2	4
136	Spectral investigations of iron bearing fluoroapatite. <i>Radiation Effects and Defects in Solids</i> , 2004, 159, 87-91.	1.2	3
137	Structural, optical, and luminescence properties of Cu ²⁺ -doped Ca-Li hydroxyapatite nanopowders prepared by mechanochemical synthesis. <i>Materials Research Express</i> , 2019, , .	1.6	3
138	Synthesis and spectral characterizations of VO ²⁺ ions-doped CaZn ₂ (PO ₄) ₂ nanophosphor. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	3
139	Structural, magnetic and thermal properties of Mn ²⁺ doped ZnS nanocrystals for device applications. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	3
140	Synthesis and spectroscopic investigations of calcium cadmium phosphate hydrate nanopowders via doping divalent (Mn ²⁺) and trivalent (Fe ³⁺) cations. <i>Journal of Molecular Structure</i> , 2020, 1222, 128929.	3.6	3
141	Investigation on synthesis, structural and optical properties of CdS nanoparticles. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	3
142	Optical and EPR spectra of Ti ³⁺ in lamprophyllite from Kola Peninsula, Russia. <i>Neues Jahrbuch F¹/₄r Mineralogie, Monatshefte</i> , 2002, 2002, 138-144.	0.3	2
143	Structural and Spectral Characterization of Co ²⁺ - and Ni ²⁺ -DOPED CdO Powder Prepared From Solution at Room Temperature. <i>Journal of Applied Spectroscopy</i> , 2015, 82, 760-766.	0.7	2
144	Synthesis and structural characterization of samarium doped calcium zinc phosphate nanophosphors. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2

#	ARTICLE	IF	CITATIONS
145	Orthorhombic Site Symmetry of Cr ³⁺ in ZnNH ₄ PO ₄ · 6H ₂ O Crystals. Crystal Research and Technology, 1999, 34, 911-914.	1.3	2
146	OPTICAL AND EPR STUDIES OF VO ²⁺ IONS DOPED ZnS-CdS COMPOSITE NANOPARTICLES. Rasayan Journal of Chemistry, 2018, 11, 1236-1243.	0.4	2
147	Characterisation of the Six-coordinated Octahedral Site in Cd(C ₄ H ₂ O ₄) · 2H ₂ O Crystals. Crystal Research and Technology, 1995, 30, 1121-1126.	1.3	1
148	EPR and optical absorption spectroscopy on minerals. , 2002, , 575-584.		1
149	EPR and optical absorption characteristics of sodic plagioclase from granite pegmatite in Kadavur, India. Radiation Effects and Defects in Solids, 2009, 164, 726-736.	1.2	1
150	Room temperature synthesis and spectral characterizations of Fe ³⁺ -doped CdO powder. Journal of Molecular Structure, 2014, 1075, 365-369.	3.6	1
151	Luminescent properties of Mn ²⁺ doped apatite nanophosphors. AIP Conference Proceedings, 2016, , .	0.4	1
152	Effect of ZrO ₂ nanofiller on ionic conductivity studies of PVP-CH ₃ COONa·3H ₂ O polymer electrolyte films. AIP Conference Proceedings, 2018, , .	0.4	1
153	Synthesis of Co ²⁺ doped ZnO-CdS composite nanopowder and its enhanced photocatalytic performance under visible light irradiation. AIP Conference Proceedings, 2019, , .	0.4	1
154	Hydrothermal synthesis of ZnO nanopowder and its photocatalytic performance under UV and visible light irradiation. AIP Conference Proceedings, 2019, , .	0.4	1
155	Structural and optical properties of Fe ³⁺ doped ZnCdO nanostructures for luminescent application. Optik, 2020, 205, 164283.	2.9	1
156	Luminescence studies on Pr ³⁺ & Yb ³⁺ doped cadmium calcium pyrophosphate nanophosphors. AIP Conference Proceedings, 2020, , .	0.4	1
157	EPR characteristics of quartz from tungsten deposits at Degana and Balda, Rajasthan, India. Radiation Effects and Defects in Solids, 2012, 167, 163-169.	1.2	0
158	Structural and magnetic properties of Co _{0.5} Cd _{0.5} Fe ₂ O ₄ nano ferrite particles. , 2013, , .		0
159	Physical properties of transition metal ions (Mn ²⁺ , Fe ³⁺ , Cu ²⁺) doped PVA capped ZnSe nanoparticles. , 2013, , .		0
160	OPTICAL ABSORPTION BEHAVIOR OF Co (II) ION DOPED PVA ASSISTED CdSe NANOPARTICLES. International Journal of Modern Physics Conference Series, 2013, 22, 346-350.	0.7	0
161	Effect of TiO ₂ nanofiller on structural properties of PVP-CH ₃ COOK based solid polymer electrolytes. AIP Conference Proceedings, 2018, , .	0.4	0
162	Physical and spectral characterizations of Cu ²⁺ ions doped 19.9 CdO + xLi ₂ O + (30-x) Na ₂ O+50 B ₂ O ₃ borate glasses. AIP Conference Proceedings, 2019, , .	0.4	0

#	ARTICLE	IF	CITATIONS
163	Spectroscopic studies on Cr ³⁺ doped ZnCdO nanostructures for optoelectronic device application. Optik, 2020, 202, 163610.	2.9	0
164	Effect of Transition Metal (TM) Ions on Polyvinyl Alcohol Capped ZnSe Nanoparticles. Journal of Bionanoscience, 2016, 10, 424-429.	0.4	0
165	SPECTRAL CHARACTERIZATIONS OF Cu ²⁺ IONS DOPED CaZn ₂ (PO ₄) ₂ NANOPHOSPHOR. Rasayan Journal of Chemistry, 2019, 12, 1085-1090.	0.4	0
166	Structural properties of Co ²⁺ ion doped calcium cadmium phosphate hydrate nanophosphor. AIP Conference Proceedings, 2020, , .	0.4	0
167	Structural, Optical, and Photoluminescence Studies of Ti-Doped ZnO Nanopowders by a Simple Solution Method. Journal of Applied Spectroscopy, 0, , .	0.7	0