

# 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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h-index

265206

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g-index

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docs citations

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times ranked

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| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Structural, optical, and luminescence properties of Ni <sup>2+</sup> -doped ZnO@CdS nanocomposite: synthesis and investigations for green light emission. <i>Chemical Papers</i> , 2022, 76, 557-566.  | 2.2 | 7         |
| 2  | Enhanced Photocatalytic Activity of ZnO@CdS Composite Nanostructures towards the Degradation of Rhodamine B under Solar Light. <i>Catalysts</i> , 2022, 12, 84.  | 3.5 | 22        |
| 3  | Structural, Optical, and Photoluminescence Properties of Cr <sup>3+</sup> Ion-Doped ZnO-CdS Nanocomposite: Synthesis and Investigations for Yellow Emission. <i>Journal of Electronic Materials</i> , 2022, 51, 1876-1883.   | 2.2 | 4         |
| 4  | Novel Fe-doped ZnO-CdS nanocomposite with enhanced visible light-driven photocatalytic performance. <i>Materials Research Innovations</i> , 2021, 25, 215-220.   | 2.3 | 14        |
| 5  | 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         |
| 6  | Structural studies of Nd <sup>3+</sup> doped cadmium calcium pyrophosphate nanophosphors. <i>Materials Today: Proceedings</i> , 2020, 26, 114-116.   | 1.8 | 5         |
| 7  | Spectroscopic studies on Cr <sup>3+</sup> doped ZnCdO nanostructures for optoelectronic device application. <i>Optik</i> , 2020, 202, 163610.  | 2.9 | 0         |
| 8  | Synthesis and investigations for white LED material: VO <sup>2+</sup> doped Calcium Cadmium phosphate hydrate nanophosphor. <i>Journal of Molecular Structure</i> , 2020, 1205, 127605.  | 3.6 | 6         |
| 9  | Structural and luminescence studies of Dy <sup>3+</sup> -activated cadmium calcium pyrophosphate. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.   | 2.3 | 10        |
| 10 | Synthesis and spectroscopic investigations of calcium cadmium phosphate hydrate nanopowders via doping divalent (Mn <sup>2+</sup> ) and trivalent (Fe <sup>3+</sup> ) cations. <i>Journal of Molecular Structure</i> , 2020, 1222, 128929.                             | 3.6 | 3         |
| 11 | Structural and luminescent properties of CaZn <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> : RE <sup>3+</sup> (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         |
| 12 | A novel green-emitting Ni <sup>2+</sup> -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         |
| 13 | Structural and optical properties of Fe <sup>3+</sup> doped ZnCdO nanostructures for luminescent application. <i>Optik</i> , 2020, 205, 164283.  | 2.9 | 1         |
| 14 | Investigation on synthesis, structural and optical properties of CdS nanoparticles. <i>AIP Conference Proceedings</i> , 2020, , .  | 0.4 | 3         |
| 15 | Enhanced magnetic properties of Fe <sup>3+</sup> doped ZnS nanocrystals via low temperature co-precipitation: spintronic and nano-device applications. <i>Physica Scripta</i> , 2020, 95, 105802.  | 2.5 | 5         |
| 16 | Luminescence studies on Pr <sup>3+</sup> & Yb <sup>3+</sup> doped cadmium calcium pyrophosphate nanophosphors. <i>AIP Conference Proceedings</i> , 2020, , .   | 0.4 | 1         |
| 17 | Structural properties of Co <sup>2+</sup> ion doped calcium cadmium phosphate hydrate nanophosphor. <i>AIP Conference Proceedings</i> , 2020, , .  | 0.4 | 0         |
| 18 | Structural, optical, and luminescence properties of Cu <sup>2+</sup> -doped Ca-Li hydroxyapatite nanopowders prepared by mechanochemical synthesis. <i>Materials Research Express</i> , 2019, , .  | 1.6 | 3         |

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|----|---|-----|-----------|
| 19 | Synthesis and spectral characterizations of VO <sup>2+</sup> ions-doped CaZn <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> nanophosphor. SN Applied Sciences, 2019, 1, 1.  | 2.9 | 3         |
| 20 | Structural, magnetic and thermal properties of Mn <sup>2+</sup> doped ZnS nanocrystals for device applications. AIP Conference Proceedings, 2019, , .   | 0.4 | 3         |
| 21 | Synthesis of Co <sup>2+</sup> doped ZnO-CdS composite nanopowder and its enhanced photocatalytic performance under visible light irradiation. AIP Conference Proceedings, 2019, , .   | 0.4 | 1         |
| 22 | Physical and spectral characterizations of Cu <sup>2+</sup> ions doped 19.9 CdO + xLi <sub>2</sub> O + (30-x) Na <sub>2</sub> O+50 B <sub>2</sub> O <sub>3</sub> borate glasses. AIP Conference Proceedings, 2019, , .  | 0.4 | 0         |
| 23 | Investigations on structural and spectral properties of undoped and Mn <sup>2+</sup> doped SrZn <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> nanophosphors for light emitting devices. Journal of Materials Science: Materials in Electronics, 2019, 30, 5120-5129. | 2.2 | 4         |
| 24 | Structural, optical, magnetic and thermal investigations on Cr <sup>3+</sup> ions doped ZnS nanocrystals by co-precipitation method. Journal of Science: Advanced Materials and Devices, 2019, 4, 260-266.  | 3.1 | 14        |
| 25 | Investigations of VO <sup>2+</sup> doped SrZn <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> nanophosphors by solution combustion synthesis. Journal of Alloys and Compounds, 2019, 787, 276-283.   | 5.5 | 13        |
| 26 | Hydrothermal synthesis of ZnO nanopowder and its photocatalytic performance under UV and visible light irradiation. AIP Conference Proceedings, 2019, , .   | 0.4 | 1         |
| 27 | Mechanical Milling Influence on Lattice Vibrational Behaviour of MoO <sub>3</sub> -V <sub>2</sub> O <sub>5</sub> Composite Nanopowders. Silicon, 2019, 11, 1517-1524.   | 3.3 | 12        |
| 28 | SPECTRAL CHARACTERIZATIONS OF Cu <sup>2+</sup> IONS DOPED CaZn <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> NANOPHOSPHOR. Rasayan Journal of Chemistry, 2019, 12, 1085-1090.  | 0.4 | 0         |
| 29 | Structural, spectral, magnetic and thermal properties of VO <sup>2+</sup> doped ZnS nanocrystals by co-precipitation method. Journal of Materials Science: Materials in Electronics, 2018, 29, 6105-6112.   | 2.2 | 6         |
| 30 | Structural and luminescent properties of PVA capped ZnSe nanoparticles. Materials Research Innovations, 2018, 22, 37-42.  | 2.3 | 16        |
| 31 | Effect of ZrO <sub>2</sub> nanofiller on ionic conductivity studies of PVP-CH <sub>3</sub> COONa.3H <sub>2</sub> O polymer electrolyte films. AIP Conference Proceedings, 2018, , .   | 0.4 | 1         |
| 32 | Synthesis and structural characterization of samarium doped calcium zinc phosphate nanophosphors. AIP Conference Proceedings, 2018, , .   | 0.4 | 2         |
| 33 | Effect of TiO <sub>2</sub> nanofiller on structural properties of PVP-CH <sub>3</sub> COOK based solid polymer electrolytes. AIP Conference Proceedings, 2018, , .  | 0.4 | 0         |
| 34 | OPTICAL AND EPR STUDIES OF VO <sup>2+</sup> IONS DOPED ZnS-CdS COMPOSITE NANOPARTICLES. Rasayan Journal of Chemistry, 2018, 11, 1236-1243.  | 0.4 | 2         |
| 35 | Enhanced visible light photocatalytic activity of Cu-doped SnO <sub>2</sub> quantum dots by solution combustion synthesis. Journal of Alloys and Compounds, 2017, 703, 330-336.   | 5.5 | 127       |
| 36 | Structural, optical, and improved photocatalytic properties of CdS/SnO <sub>2</sub> hybrid photocatalyst nanostructure. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 221, 63-72.                                       | 3.5 | 34        |

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|----|--|-----|-----------|
| 37 | 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        |
| 38 | Structural and optical properties of Fe-doped SnO <sub>2</sub> quantum dots. <i>Materials Research Express</i> , 2017, 4, 125021.  | 1.6 | 14        |
| 39 | A novel orange emitting Sm <sup>3+</sup> ions doped NaCaAlPO <sub>4</sub> F <sub>3</sub> phosphor: Optical and luminescence properties. <i>Journal of Molecular Structure</i> , 2017, 1130, 96-102.                      | 3.6 | 25        |
| 40 | CuO NANOPARTICLES: SYNTHESIS, CHARACTERIZATION AND THEIR BACTERICIDAL EFFICACY. <i>International Journal of Applied Pharmaceutics</i> , 2017, 9, 71.   | 0.3 | 56        |
| 41 | Effect of cobalt concentration on morphology of Co-doped SnO <sub>2</sub> nanostructures synthesized by solution combustion method. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 5197-5203. | 2.2 | 24        |
| 42 | Structural and optical properties of vanadium doped SnO <sub>2</sub> nanoparticles with high photocatalytic activities. <i>Journal of Luminescence</i> , 2016, 179, 26-34.   | 3.1 | 47        |
| 43 | Luminescent properties of Mn <sup>2+</sup> doped apatite nanophosphors. <i>AIP Conference Proceedings</i> , 2016, , .  | 0.4 | 1         |
| 44 | Spectral characterization of mechanically synthesized MoO <sub>3</sub> -CuO nanocomposite. <i>International Nano Letters</i> , 2016, 6, 119-128.   | 5.0 | 25        |
| 45 | Structural and optical properties of Cu(II) ions doped calcium borophosphate (CaBP) nanophosphor by solid-state synthesis. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 1318-1327.          | 2.2 | 7         |
| 46 | Spectral Investigation of Structural and Optical Properties of Mechanically Synthesized TiO <sub>2</sub> -V <sub>2</sub> O <sub>5</sub> Nanocomposite Powders. <i>Materials Today: Proceedings</i> , 2016, 3, 31-38.     | 1.8 | 10        |
| 47 | Investigation and Comparison of Optical and Raman Bands of Mechanically Synthesised MoO <sub>3</sub> Nano Powders. <i>Materials Today: Proceedings</i> , 2016, 3, 54-63.   | 1.8 | 21        |
| 48 | Synthesis and spectroscopic characterizations of copper ions doped zinc borate nanoparticles. <i>Optik</i> , 2016, 127, 4536-4540.   | 2.9 | 4         |
| 49 | Combustion Synthesized Cr <sup>3+</sup> -doped BaMgAl <sub>10</sub> O <sub>17</sub> Phosphor: An Electron Paramagnetic Resonance and Optical Study. <i>Journal of Electronic Materials</i> , 2016, 45, 365-373.          | 2.2 | 11        |
| 50 | A simple sonochemical approach of Mn <sup>2+</sup> doped ZnO nanopowder: structural, optical and magnetic studies. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 191-197.                    | 2.2 | 5         |
| 51 | Spectroscopic studies of undoped and Mn <sup>2+</sup> -doped calcium borophosphate phosphor (CaBP) nanopowders. <i>Indian Journal of Physics</i> , 2016, 90, 185-193.  | 1.8 | 5         |
| 52 | Room temperature synthesis and spectral characterization of Cu <sup>2+</sup> -doped CdO powder. <i>Indian Journal of Physics</i> , 2016, 90, 359-364.  | 1.8 | 5         |
| 53 | Effect of Transition Metal (TM) Ions on Polyvinyl Alcohol Capped ZnSe Nanoparticles. <i>Journal of Bionanoscience</i> , 2016, 10, 424-429.   | 0.4 | 0         |
| 54 | Spectral Investigations on Cu <sup>2+</sup> -doped Li <sub>2</sub> CaAl <sub>4</sub> (PO <sub>4</sub> ) <sub>4</sub> F <sub>4</sub> Phosphors. <i>Applied Magnetic Resonance</i> , 2015, 46, 953-964.                    | 1.2 | 4         |

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|----|---|-----|-----------|
| 55 | Structural and optical properties of CdO/ZnS core/shell nanocomposites. Journal of Alloys and Compounds, 2015, 628, 39-45.  | 5.5 | 32        |
| 56 | Effect of Co <sup>2+</sup> and Ni <sup>2+</sup> -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        |
| 57 | A facile synthesis and spectral characterization of Cu <sup>2+</sup> doped CdO/ZnS nanocomposite. Journal of Magnetism and Magnetic Materials, 2015, 384, 6-12.   | 2.3 | 14        |
| 58 | Structural and optical investigations of VO(II) ions doped NaCaAlPO <sub>4</sub> F <sub>3</sub> phosphor. Journal of Materials Science: Materials in Electronics, 2015, 26, 2025-2032.  | 2.2 | 6         |
| 59 | EPR and Optical Studies of Fe <sup>3+</sup> -Doped Ca <sup>2+</sup> -Li Hydroxyapatite Nanopowder: Mechanochemical Synthesis. Applied Magnetic Resonance, 2015, 46, 1-15.   | 1.2 | 22        |
| 60 | Influence of calcination temperature on Cd <sub>0.3</sub> Co <sub>0.7</sub> Fe <sub>2</sub> O <sub>4</sub> nanoparticles: Structural, thermal and magnetic properties. Journal of Magnetism and Magnetic Materials, 2015, 394, 70-76. | 2.3 | 21        |
| 61 | Structural and photoluminescence studies of Co <sup>2+</sup> doped Ca <sup>2+</sup> -Li hydroxyapatite nanopowders. Journal of Materials Science: Materials in Electronics, 2015, 26, 6667-6675.                                      | 2.2 | 10        |
| 62 | Physical, structural and spectroscopic investigations of Sm <sup>3+</sup> doped ZnO mixed alkali borate glass. Journal of Molecular Structure, 2015, 1096, 129-135.   | 3.6 | 49        |
| 63 | Improved photocatalytic activity of MoS <sub>2</sub> nanosheets decorated with SnO <sub>2</sub> nanoparticles. RSC Advances, 2015, 5, 86675-86684.  | 3.6 | 62        |
| 64 | Structural, optical and magnetic properties of Mn <sup>2+</sup> doped ZnO-CdS composite nanopowder. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 201, 72-78.                             | 3.5 | 39        |
| 65 | Structural and Spectral Characterization of Co <sup>2+</sup> - and Ni <sup>2+</sup> -DOPED CdO Powder Prepared From Solution at Room Temperature. Journal of Applied Spectroscopy, 2015, 82, 760-766.                                 | 0.7 | 2         |
| 66 | Spectral investigations on undoped and Cu <sup>2+</sup> doped ZnO-CdS composite nanopowders. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 139, 86-93.   | 3.9 | 46        |
| 67 | Synthesis and spectroscopic studies of Fe <sup>3+</sup> -doped zinc borate powder. Journal of Molecular Structure, 2015, 1081, 311-315.   | 3.6 | 8         |
| 68 | Optical and structural properties of undoped and Mn <sup>2+</sup> doped Ca <sup>2+</sup> -Li hydroxyapatite nanopowders using mechanochemical synthesis. Journal of Luminescence, 2015, 159, 119-127.                                 | 3.1 | 28        |
| 69 | Synthesis and characterization of VO <sup>2+</sup> doped ZnO-CdS composite nanopowder. Journal of Molecular Structure, 2015, 1081, 254-259.   | 3.6 | 49        |
| 70 | Investigations of the optical and EPR properties of LiGa <sub>5</sub> O <sub>8</sub> :Cr <sup>3+</sup> phosphor. Materials Research Bulletin, 2015, 61, 183-188.  | 5.2 | 26        |
| 71 | Room temperature synthesis and spectral characterizations of Fe <sup>3+</sup> -doped CdO powder. Journal of Molecular Structure, 2014, 1075, 365-369.   | 3.6 | 1         |
| 72 | Synthesis and spectral investigations of Cu(II) ion-doped NaCaAlPO <sub>4</sub> F <sub>3</sub> phosphor. Luminescence, 2014, 29, 1123-1129.   | 2.9 | 13        |

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|----|--|-----|-----------|
| 73 | Synthesis and characterization of undoped and Fe(III) ions doped NaCaAlPO <sub>4</sub> F <sub>3</sub> phosphor. Journal of Luminescence, 2014, 145, 324-329.   | 3.1 | 21        |
| 74 | Structural, spectroscopic and magnetic characterization of undoped, Ni <sup>2+</sup> doped ZnO nanopowders. Journal of Magnetism and Magnetic Materials, 2014, 372, 79-85.   | 2.3 | 30        |
| 75 | Sonochemical assisted synthesis and spectroscopic characterization of Fe <sup>3+</sup> doped ZnO diluted magnetic semiconductor. Journal of Materials Science: Materials in Electronics, 2014, 25, 4179-4186.                                      | 2.2 | 18        |
| 76 | Spectral characterizations of undoped and Cu <sup>2+</sup> doped CdO nanopowder. Journal of Molecular Structure, 2014, 1063, 178-183.  | 3.6 | 38        |
| 77 | Structural, optical and magnetic properties of Cr <sup>3+</sup> doped ZnO nanopowder. Indian Journal of Physics, 2014, 88, 683-690.  | 1.8 | 16        |
| 78 | Synthesis and characterization of undoped and Mn(II)ions doped Li <sub>2</sub> CaAl <sub>4</sub> (PO <sub>4</sub> ) <sub>4</sub> F <sub>4</sub> nanophosphors. Journal of Molecular Structure, 2014, 1076, 461-467.                                | 3.6 | 12        |
| 79 | Characterization of Cr <sup>3+</sup> doped mixed alkali ions effect in zinc borate glasses " Physical and spectroscopic investigations. Optical Materials, 2014, 36, 1329-1335.  | 3.6 | 37        |
| 80 | Synthesis and spectral characterizations of trivalent ions (Cr <sup>3+</sup> , Fe <sup>3+</sup> ) doped CdO nanopowders. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 121, 544-550.                                | 3.9 | 32        |
| 81 | Room temperature ferromagnetism and optical properties of Cu <sup>2+</sup> doped ZnO nanopowder by ultrasound assisted solid state reaction technique. Journal of Magnetism and Magnetic Materials, 2014, 355, 76-80.                              | 2.3 | 49        |
| 82 | Synthesis and characterization of vanadium ions containing chlorocadmiumphosphate CdHPO <sub>4</sub> Cl·[H <sub>3</sub> N (CH <sub>2</sub> ) <sub>6</sub> NH <sub>3</sub> ] <sub>0.5</sub> crystals. Physica B: Condensed Matter, 2014, 433, 7-11. | 2.7 | 5         |
| 83 | Synthesis and spectral investigations of Mn(II) ions doped NaCaAlPO <sub>4</sub> F <sub>3</sub> phosphor. EPJ Applied Physics, 2014, 65, 10403.  | 0.7 | 10        |
| 84 | Cu <sup>2+</sup> Doped PVA Passivated ZnSe Nanoparticles-Preparation, Characterization and Properties. Journal of Inorganic and Organometallic Polymers and Materials, 2013, 23, 350-356.  | 3.7 | 15        |
| 85 | Structural and magnetic properties of Co <sub>0.5</sub> Cd <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> nano ferrite particles. , 2013, , .   |     | 0         |
| 86 | Structural investigations on Cu <sup>2+</sup> ions doped ZnCdO nanopowder. Journal of Molecular Structure, 2013, 1034, 57-61.  | 3.6 | 11        |
| 87 | Structural and spectral features of Cr <sup>3+</sup> doped $\beta$ -BaB <sub>2</sub> O <sub>4</sub> nanopowder by co-precipitation method. Physica B: Condensed Matter, 2013, 429, 18-23.  | 2.7 | 6         |
| 88 | Characterization of Fe <sup>3+</sup> doped mixed alkali zinc borate glasses " Physical and spectroscopic investigations. Journal of Non-Crystalline Solids, 2013, 365, 6-12.   | 3.1 | 27        |
| 89 | Spectral investigations of Mn <sup>2+</sup> doped Zn <sub>3</sub> (BO <sub>3</sub> ) <sub>2</sub> nanopowder. Journal of Molecular Structure, 2013, 1048, 64-68.   | 3.6 | 10        |
| 90 | 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         |

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|-----|--|-----|-----------|
| 91  | Synthesis and structural characterization of Co <sup>2+</sup> ions doped ZnO nanopowders by solid state reaction through sonication. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 109, 90-96.  | 3.9 | 30        |
| 92  | Mixed alkali effect in Mn <sup>2+</sup> doped 20ZnO+xLi <sub>2</sub> O+(30-x)K <sub>2</sub> O+50B <sub>2</sub> O <sub>3</sub> (5x%25) glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 101, 140-147.  | 3.9 | 23        |
| 93  | Physical properties of transition metal ions (Mn <sup>2+</sup> , Fe <sup>3+</sup> , Cu <sup>2+</sup> ) doped PVA capped ZnSe nanoparticles. , 2013, , .  |     | 0         |
| 94  | 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         |
| 95  | 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         |
| 96  | Structural and optical investigations on ZnCdO nanopowder. Physica Scripta, 2012, 86, 035708.  | 2.5 | 29        |
| 97  | Spectroscopic investigations of Fe <sup>3+</sup> doped poly vinyl alcohol (PVA) capped ZnSe nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 98, 100-104.   | 3.9 | 15        |
| 98  | Physical and optical properties of Co <sup>2+</sup> , Ni <sup>2+</sup> doped 20ZnO+xLi <sub>2</sub> O+(30-x)K <sub>2</sub> O+50B <sub>2</sub> O <sub>3</sub> (5x%25) glasses: Observation of mixed alkali effect. Materials Research Bulletin, 2012, 47, 2646-2654.                                    | 5.2 | 48        |
| 99  | Structural Properties of Cr <sup>3+</sup> -Doped Cadmium Oxide Nanopowders. Applied Magnetic Resonance, 2012, 42, 403-411.   | 1.2 | 8         |
| 100 | Synthesis and spectroscopic characterization of Cu(II) containing chlorocadmiumphosphate Cd(HPO <sub>4</sub> )Cl·[H <sub>3</sub> N(CH <sub>2</sub> ) <sub>6</sub> NH <sub>3</sub> ] <sub>0.5</sub> crystals. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 85, 160-164. | 3.9 | 9         |
| 101 | Synthesis and spectral characterizations of Fe <sup>3+</sup> doped $\beta$ -BaB <sub>2</sub> O <sub>4</sub> nano crystallite powder. Journal of Molecular Structure, 2012, 1012, 17-21.  | 3.6 | 15        |
| 102 | Synthesis and optical properties of Co <sup>2+</sup> and Ni <sup>2+</sup> ions doped $\beta$ -BaB <sub>2</sub> O <sub>4</sub> nanopowders. Journal of Luminescence, 2012, 132, 2325-2329.  | 3.1 | 13        |
| 103 | Synthesis and spectroscopic characterization of Mn(II) doped organic amine templated chlorocadmiumphosphate CdHPO <sub>4</sub> Cl·[H <sub>3</sub> N(CH <sub>2</sub> ) <sub>6</sub> NH <sub>3</sub> ] <sub>0.5</sub> crystals. Journal of Coordination Chemistry, 2011, 64, 4276-4285.                  | 2.2 | 12        |
| 104 | Correlation between physical and structural properties of Co <sup>2+</sup> doped mixed alkali zinc borate glasses. Journal of Non-Crystalline Solids, 2011, 357, 3373-3380.  | 3.1 | 73        |
| 105 | Physical and spectral investigations of Mn <sup>2+</sup> ions doped poly vinyl alcohol capped ZnSe nanoparticles. Journal of Molecular Structure, 2011, 1006, 344-347.   | 3.6 | 30        |
| 106 | Spectroscopic investigations and physical properties of Mn <sup>2+</sup> doped mixed alkali zinc borate glasses. Materials Research Bulletin, 2011, 46, 2222-2229.   | 5.2 | 29        |
| 107 | Physical and Spectral Investigations of Cu <sup>2+</sup> -Doped Alkali Zinc Borate Glasses. Applied Magnetic Resonance, 2011, 40, 339-350.   | 1.2 | 17        |
| 108 | Spectral Investigations on Cu <sup>2+</sup> -Doped ZnO Nanopowders. Applied Magnetic Resonance, 2011, 41, 69-78.   | 1.2 | 23        |

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|-----|--|-----|-----------|
| 109 | An efficient and room temperature synthesis of Fe <sup>3+</sup> doped chlorocadmiumphosphate molecular sieves: Spectroscopic, thermal and powder XRD investigations. <i>Inorganic Chemistry Communication</i> , 2011, 14, 1048-1051.   | 3.9 | 4         |
| 110 | Effect of Li <sub>2</sub> 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        |
| 111 | Spectroscopic studies on Fe <sup>3+</sup> and Mn <sup>2+</sup> doped SrB <sub>4</sub> O <sub>7</sub> glasses. <i>Physica B: Condensed Matter</i> , 2011, 406, 3295-3298.   | 2.7 | 14        |
| 112 | Mixed alkali effect and optical properties of Ni <sup>2+</sup> doped 20ZnO+xLi <sub>2</sub> O+(30-x)Na <sub>2</sub> O+50B <sub>2</sub> O <sub>3</sub> glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 1116-1122.                           | 3.9 | 27        |
| 113 | Spectral investigations of Cu <sup>2+</sup> doped beta-barium borate nanopowder by the co-precipitation method. <i>Physica Scripta</i> , 2011, 84, 025602.   | 2.5 | 14        |
| 114 | Co(II) ion doped chlorocadmiumphosphate crystals: A novel organically templated hybrid open-framework. <i>Solid State Communications</i> , 2010, 150, 1479-1482.   | 1.9 | 9         |
| 115 | Characterization of new-layered Cr(III)-doped chlorocadmiumphosphate, Cd(HPO <sub>4</sub> )Cl·[H <sub>3</sub> N(CH <sub>2</sub> ) <sub>6</sub> NH <sub>3</sub> ] <sub>0.5</sub> crystal by EPR and optical studies. <i>Journal of Physics and Chemistry of Solids</i> , 2009, 70, 1363-1365. | 4.0 | 8         |
| 116 | dc-Magnetic susceptibility and EPR studies of vapour phase grown Cd <sub>1-x</sub> CoxTe crystals. <i>Journal of Alloys and Compounds</i> , 2009, 470, 12-15.  | 5.5 | 9         |
| 117 | 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         |
| 118 | EPR and optical absorption characteristics of sodic plagioclase from granite pegmatite in Kadavur, India. <i>Radiation Effects and Defects in Solids</i> , 2009, 164, 726-736.   | 1.2 | 1         |
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