

# Hc Swart

## List of Publications by Year in descending order

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261  
papers

8,420  
citations

50276

46  
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82547

72  
g-index

261  
all docs

261  
docs citations

261  
times ranked

6568  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on the advancements in phosphor-converted light emitting diodes (pc-LEDs): Phosphor synthesis, device fabrication and characterization. <i>Progress in Materials Science</i> , 2020, 109, 100622.	32.8	373
2	Upconversion based temperature sensing ability of Er <sup>3+</sup> +Yb <sup>3+</sup> codoped SrWO <sub>4</sub> : An optical heating phosphor. <i>Sensors and Actuators B: Chemical</i> , 2015, 209, 352-358.	7.8	355
3	Origin of the red emission in zinc oxide nanophosphors. <i>Materials Letters</i> , 2013, 101, 57-60.	2.6	255
4	Role of film thickness on the properties of ZnO thin films grown by sol-gel method. <i>Thin Solid Films</i> , 2013, 539, 161-165.	1.8	152
5	Enhanced upconversion and temperature sensing study of Er <sup>3+</sup> +Yb <sup>3+</sup> codoped tungsten tellurite glass. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 1305-1312.	7.8	152
6	Tunable and white emission from ZnO:Tb <sup>3+</sup> nanophosphors for solid state lighting applications. <i>Chemical Engineering Journal</i> , 2014, 255, 541-552.	12.7	146
7	Effect of annealing on the structural, morphological and photoluminescence properties of ZnO thin films prepared by spin coating. <i>Journal of Colloid and Interface Science</i> , 2014, 428, 8-15.	9.4	107
8	Effect of Eu doping on the photoluminescence properties of ZnO nanophosphors for red emission applications. <i>Applied Surface Science</i> , 2014, 308, 419-430.	6.1	105
9	Combustion synthesis and luminescence investigation of Na <sub>3</sub> Al <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> :RE (RE = Ce <sup>3+</sup> , Eu <sup>3+</sup> and Mn <sup>2+</sup> ) phosphor. <i>Journal of Alloys and Compounds</i> , 2010, 492, 384-388.	5.5	102
10	Luminescent properties and X-ray photoelectron spectroscopy study of ZnAl <sub>2</sub> O <sub>4</sub> :Ce <sup>3+</sup> ,Tb <sup>3+</sup> phosphor. <i>Journal of Alloys and Compounds</i> , 2011, 509, 10115-10120.	5.5	93
11	Noble metal nanoparticles embedding into polymeric materials: From fundamentals to applications. <i>Advances in Colloid and Interface Science</i> , 2015, 226, 187-202.	14.7	89
12	Synthesis, spectral and surface investigation of NaSrBO <sub>3</sub> : Sm <sup>3+</sup> phosphor for full color down conversion in LEDs. <i>Journal of Alloys and Compounds</i> , 2013, 554, 214-220.	5.5	84
13	Photoluminescence and phosphorescence properties of MAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> , Dy <sup>3+</sup> (M=Ca, Ba, Sr) phosphors prepared at an initiating combustion temperature of 500Å°C. <i>Physica B: Condensed Matter</i> , 2009, 404, 4440-4444.	2.7	83
14	Temperature-dependence on the structural, optical, and paramagnetic properties of ZnO nanostructures. <i>Applied Surface Science</i> , 2014, 293, 62-70.	6.1	82
15	Luminescence dynamics and investigation of Judd-Ofelt intensity parameters of Sm <sup>3+</sup> ion containing glasses. <i>Optical Materials</i> , 2017, 64, 171-178.	3.6	81
16	Review of rare earth activated blue emission phosphors prepared by combustion synthesis. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 52, 596-612.	16.4	76
17	The oxidation of industrial FeCrMo steel. <i>Corrosion Science</i> , 2000, 42, 1725-1740.	6.6	74
18	Photocatalytic and biological applications of Ag and Au doped ZnO nanomaterial synthesized by combustion. <i>Vacuum</i> , 2018, 157, 508-513.	3.5	73

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19	Afterglow enhancement with In <sup>3+</sup> codoping in CaTiO <sub>3</sub> :Pr <sup>3+</sup> red phosphor. Powder Technology, 2013, 237, 141-146.	4.2	72
20	Synthesis and characterization of Er <sup>3+</sup> -Yb <sup>3+</sup> doped ZnO upconversion nanoparticles for solar cell application. Journal of Alloys and Compounds, 2018, 766, 429-435.	5.5	72
21	In depth study on the notable room-temperature NO <sub>2</sub> gas sensor based on CuO nanoplatelets prepared by sonochemical method: Comparison of various bases. Sensors and Actuators B: Chemical, 2018, 266, 761-772.	7.8	69
22	ZnS:Cu,Al,Au phosphor degradation under electron excitation. Applied Surface Science, 1997, 120, 9-14.	6.1	68
23	Effect of Br <sup>+</sup> ions on the structural, morphological and luminescent properties of ZnO/Si thin films. Applied Surface Science, 2013, 279, 472-478.	6.1	68
24	Surface, optical and photocatalytic properties of Rb doped ZnO nanoparticles. Applied Surface Science, 2020, 514, 145930.	6.1	68
25	Gas sensors based on CeO <sub>2</sub> nanoparticles prepared by chemical precipitation method and their temperature-dependent selectivity towards H <sub>2</sub> S and NO <sub>2</sub> gases. Applied Surface Science, 2020, 505, 144356.	6.1	67
26	Influence of ultrasonication times on the tunable colour emission of ZnO nanophosphors for lighting applications. Ultrasonics Sonochemistry, 2014, 21, 1549-1556.	8.2	63
27	Effect of Eu <sup>3+</sup> on the structure, morphology and optical properties of flower-like ZnO synthesized using chemical bath deposition. Journal of Luminescence, 2014, 147, 85-89.	3.1	62
28	Swift heavy ion irradiation induced modification in structural, optical and luminescence properties of Y <sub>2</sub> O <sub>3</sub> :Tb <sup>3+</sup> nanophosphor. Journal of Luminescence, 2014, 146, 162-173.	3.1	62
29	Selective detection of CO at room temperature with CuO nanoplatelets sensor for indoor air quality monitoring manifested by crystallinity. Applied Surface Science, 2019, 466, 545-553.	6.1	61
30	Generation of white-light from Dy <sup>3+</sup> doped Sr <sub>2</sub> SiO <sub>4</sub> phosphor. Physica B: Condensed Matter, 2014, 439, 126-129.	2.7	60
31	Effects of Cr <sup>3+</sup> mol% on the structure and optical properties of the ZnAl <sub>2</sub> O <sub>4</sub> :Cr <sup>3+</sup> nanocrystals synthesized using sol-gel process. Ceramics International, 2015, 41, 6776-6783.	4.8	60
32	Enhanced UVB emission and analysis of chemical states of Ca <sub>5</sub> (PO <sub>4</sub> ) <sub>3</sub> OH:Gd <sup>3+</sup> ,Pr <sup>3+</sup> phosphor prepared by co-precipitation. Journal of Physics and Chemistry of Solids, 2014, 75, 998-1003.	4.0	58
33	Embedded plasmonic nanostructures: synthesis, fundamental aspects and their surface enhanced Raman scattering applications. International Reviews in Physical Chemistry, 2016, 35, 353-398.	2.3	58
34	Role of silver doping on the defects related photoluminescence and antibacterial behaviour of zinc oxide nanoparticles. Colloids and Surfaces B: Biointerfaces, 2017, 159, 191-199.	5.0	58
35	Potential of Sm <sup>3+</sup> doped LiSrVO <sub>4</sub> nanophosphor to fill amber gap in LEDs. Physica B: Condensed Matter, 2018, 535, 221-226.	2.7	57
36	A near-UV-converted LiMgBO <sub>3</sub> :Dy <sup>3+</sup> nanophosphor: Surface and spectral investigations. Applied Surface Science, 2015, 329, 40-46.	6.1	53

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37	Infrared emission spectroscopy and upconversion of ZnO-Li <sub>2</sub> O-Na <sub>2</sub> O-P <sub>2</sub> O <sub>5</sub> glasses doped with Nd <sup>3+</sup> ions. <i>Journal of Non-Crystalline Solids</i> , 2017, 457, 157-163.	3.1	53
38	A comparative study on structural, morphological and luminescence characteristics of Zn <sub>3</sub> (VO <sub>4</sub> ) <sub>2</sub> phosphor prepared via hydrothermal and citrate-gel combustion routes. <i>Physica B: Condensed Matter</i> , 2012, 407, 1485-1488.	2.7	52
39	Luminescence of Ce doped MgAl <sub>2</sub> O <sub>4</sub> prepared by the combustion method. <i>Physica B: Condensed Matter</i> , 2014, 439, 109-114.	2.7	52
40	The role of oxygen and titanium related defects on the emission of TiO <sub>2</sub> :Tb <sup>3+</sup> nano-phosphor for blue lighting applications. <i>Optical Materials</i> , 2015, 46, 510-516.	3.6	52
41	The difference in degradation behaviour of ZnS:Cu,Al,Au and ZnS:Ag,Cl phosphor powders. <i>Applied Surface Science</i> , 1999, 140, 63-69.	6.1	51
42	Enhanced luminescence and degradation of SiO <sub>2</sub> :Ce,Tb powder phosphors prepared by a sol-gel process. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 1749-1753.	4.0	50
43	Investigations on the low voltage cathodoluminescence stability and surface chemical behaviour using Auger and X-ray photoelectron spectroscopy on LiSrBO <sub>3</sub> :Sm <sup>3+</sup> phosphor. <i>Materials Research Bulletin</i> , 2011, 46, 987-994.	5.2	50
44	Spectroscopic studies of Sm <sup>3+</sup> /Dy <sup>3+</sup> co-doped lithium boro-silicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2016, 438, 49-58.	3.1	50
45	Transparent conducting ZnO-CdO mixed oxide thin films grown by the sol-gel method. <i>Journal of Colloid and Interface Science</i> , 2017, 487, 378-387.	9.4	50
46	Defects induced enhancement of antifungal activities of Zn doped CuO nanostructures. <i>Applied Surface Science</i> , 2021, 560, 150026.	6.1	50
47	Resolution of Eu <sup>2+</sup> asymmetrical emission peak of SrAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> , Dy <sup>3+</sup> phosphor by cathodoluminescence measurements. <i>Materials Letters</i> , 2008, 62, 3192-3194.	2.6	47
48	Luminescence investigations of Ce <sup>3+</sup> doped CaS nanophosphors. <i>Journal of Alloys and Compounds</i> , 2010, 492, L8-L12.	5.5	47
49	Influence of Ag, Au and Pd noble metals doping on structural, optical and antimicrobial properties of zinc oxide and titanium dioxide nanomaterials. <i>Heliyon</i> , 2019, 5, e01333.	3.2	47
50	Synthesis and characterization of Ce <sup>3+</sup> doped silica (SiO <sub>2</sub> ) nanoparticles. <i>Journal of Luminescence</i> , 2011, 131, 1249-1254.	3.1	46
51	Synthesis and characterization of BaAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> co-doped with different rare earth ions. <i>Physica B: Condensed Matter</i> , 2012, 407, 1603-1606.	2.7	46
52	Effect of annealing on the structural, morphological and optical properties of Ga-doped ZnO nanoparticles by reflux precipitation method. <i>Results in Physics</i> , 2017, 7, 2022-2027.	4.1	46
53	X-ray photoelectron spectroscopy and luminescent properties of Y <sub>2</sub> O <sub>3</sub> :Bi <sup>3+</sup> phosphor. <i>Applied Surface Science</i> , 2015, 332, 198-204.	6.1	45
54	Enhancement of upconversion emission and temperature sensing of paramagnetic Gd <sub>2</sub> Mo <sub>3</sub> O <sub>9</sub> :Er <sup>3+</sup> /Yb <sup>3+</sup> phosphor via Li <sup>+</sup> /Mg <sup>2+</sup> co-doping. <i>Journal of Alloys and Compounds</i> , 2018, 747, 455-464.	5.5	45

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55	Eu 3+ doped down shifting TiO <sub>2</sub> layer for efficient dye-sensitized solar cells. <i>Journal of Colloid and Interface Science</i> , 2016, 484, 24-32.	9.4	44
56	Influence of Bi doping on the structure and photoluminescence of ZnO phosphor synthesized by the combustion method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 190, 164-171.	3.9	44
57	Defect-induced magnetism in undoped and Mn-doped wide band gap zinc oxide grown by aerosol spray pyrolysis. <i>Applied Surface Science</i> , 2014, 311, 14-26.	6.1	43
58	Structural and luminescence properties of Eu <sup>3+</sup> /Dy <sup>3+</sup> embedded sodium silicate glass for multicolour emission. <i>Journal of Alloys and Compounds</i> , 2017, 708, 922-931.	5.5	43
59	Roles of doping ions in afterglow properties of blue CaAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> ,Nd <sup>3+</sup> phosphors. <i>Physica B: Condensed Matter</i> , 2014, 439, 153-159.	2.7	42
60	Characteristics of the mechanical milling on the room temperature ferromagnetism and sensing properties of TiO <sub>2</sub> nanoparticles. <i>Applied Surface Science</i> , 2015, 331, 362-372.	6.1	42
61	ZnS thin films grown on Si(100) by XeCl pulsed laser ablation. <i>Applied Surface Science</i> , 2001, 177, 73-77.	6.1	41
62	CaTiO <sub>3</sub> :Eu <sup>3+</sup> , a potential red long lasting phosphor: Energy migration and characterization of trap level distribution. <i>Journal of Alloys and Compounds</i> , 2015, 622, 1068-1073.	5.5	41
63	Charge compensated derived enhanced red emission from Sr <sub>3</sub> (VO <sub>4</sub> ) <sub>2</sub> :Eu <sup>3+</sup> nanophosphors for white light emitting diodes and flat panel displays. <i>Journal of Alloys and Compounds</i> , 2017, 709, 362-372.	5.5	41
64	Preparation and characterization of Ce doped ZnO nanomaterial for photocatalytic and biological applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 261, 114780.	3.5	41
65	Effect of alkali metal ions (Li <sup>+</sup> , Na <sup>+</sup> and K <sup>+</sup> ) on the luminescence properties of CaMgB <sub>2</sub> O <sub>5</sub> : Sm <sup>3+</sup> nanophosphor. <i>Nano Structures Nano Objects</i> , 2015, 3, 9-16.	3.5	40
66	Combustion synthesis and characterization of blue long lasting phosphor CaAl <sub>2</sub> O <sub>4</sub> : Eu <sup>2+</sup> , Dy <sup>3+</sup> and its novel application in latent fingerprint and lip mark detection. <i>Physica B: Condensed Matter</i> , 2018, 535, 149-156.	2.7	40
67	Effects of cationic substitution on the luminescence behavior of Dy <sup>3+</sup> doped orthophosphate phosphor. <i>Journal of Alloys and Compounds</i> , 2019, 806, 1127-1137.	5.5	40
68	The effects of Eu-concentrations on the luminescent properties of SrF <sub>2</sub> :Eu nanophosphor. <i>Journal of Luminescence</i> , 2014, 156, 150-156.	3.1	39
69	Characterization of annealed Eu <sup>3+</sup> -doped ZnO flower-like morphology synthesized by chemical bath deposition method. <i>Optical Materials</i> , 2016, 60, 294-304.	3.6	39
70	Spectroscopic properties of Pr <sup>3+</sup> ions embedded in lithium borate glasses. <i>Physica B: Condensed Matter</i> , 2016, 480, 111-115.	2.7	39
71	Optical and surface properties of Zn doped CdO nanorods and antimicrobial applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 605, 125369.	4.7	39
72	Structural and spectral studies of highly pure red-emitting Ca <sub>3</sub> B <sub>2</sub> O <sub>6</sub> :Eu <sup>3+</sup> phosphors for white light emitting diodes. <i>Journal of Alloys and Compounds</i> , 2021, 869, 159363.	5.5	39

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73	The effect of Ce <sup>3+</sup> on structure, morphology and optical properties of flower-like ZnO synthesized using the chemical bath method. <i>Journal of Luminescence</i> , 2013, 143, 463-468.	3.1	37
74	Properties of flower-like ZnO nanostructures synthesized using the chemical bath deposition. <i>Materials Science in Semiconductor Processing</i> , 2014, 27, 33-40.	4.0	37
75	Low voltage electron induced cathodoluminescence degradation and surface characterization of Sr <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> :Tb phosphor. <i>Applied Surface Science</i> , 2011, 257, 10147-10155.	6.1	36
76	Surface state of Y <sub>3</sub> (Al,Ga) <sub>5</sub> O <sub>12</sub> :Tb phosphor under electron beam bombardment. <i>Applied Surface Science</i> , 2012, 258, 6495-6503.	6.1	36
77	Phosphorescent and thermoluminescent properties of SrAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> , Dy <sup>3+</sup> phosphors prepared by solid state reaction method. <i>Physica B: Condensed Matter</i> , 2012, 407, 1679-1682.	2.7	36
78	Characterization and luminescent properties of SiO <sub>2</sub> :ZnS:Mn <sup>2+</sup> and ZnS:Mn <sup>2+</sup> nanophosphors synthesized by a sol-gel method. <i>Physica B: Condensed Matter</i> , 2009, 404, 4470-4475.	2.7	35
79	Luminescence investigations on LiAl <sub>5</sub> O <sub>8</sub> :Tb <sup>3+</sup> nanocrystalline phosphors. <i>Current Applied Physics</i> , 2011, 11, 341-345.	2.4	35
80	Effect of annealing temperature on structural and optical properties of ZnAl <sub>2</sub> O <sub>4</sub> :1.5% Pb <sup>2+</sup> nanocrystals synthesized via sol-gel reaction. <i>Journal of Alloys and Compounds</i> , 2016, 677, 72-79.	5.5	35
81	Structural, surface and luminescence properties of Ca <sub>3</sub> B <sub>2</sub> O <sub>6</sub> :Dy <sup>3+</sup> phosphors. <i>Ceramics International</i> , 2016, 42, 5743-5753.	4.8	35
82	A comparative investigation on ion impact parameters and TL response of Y <sub>2</sub> O <sub>3</sub> :Tb <sup>3+</sup> nanophosphor exposed to swift heavy ions for space dosimetry. <i>Journal of Alloys and Compounds</i> , 2014, 589, 5-18.	5.5	34
83	Electrical and optical properties of p-type codoped ZnO thin films prepared by spin coating technique. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 77, 1-6.	2.7	34
84	Improved steady-state photoluminescence derived from the compensation of the charge-imbalance in Ca <sub>3</sub> Mg <sub>3</sub> (PO <sub>4</sub> ) <sub>4</sub> :Eu <sup>3+</sup> phosphor. <i>Ceramics International</i> , 2019, 45, 21709-21715.	4.8	34
85	Luminescence characterization and electron beam induced chemical changes on the surface of ZnAl <sub>2</sub> O <sub>4</sub> :Mn nanocrystalline phosphor. <i>Applied Surface Science</i> , 2011, 257, 3298-3306.	6.1	33
86	The greenish-blue emission and thermoluminescent properties of CaTa <sub>2</sub> O <sub>6</sub> :Pr <sup>3+</sup> . <i>Journal of Alloys and Compounds</i> , 2014, 589, 88-93.	5.5	33
87	Enhanced exciton emission from ZnO nano-phosphor induced by Yb <sup>3+</sup> ions. <i>Materials Letters</i> , 2014, 119, 71-74.	2.6	33
88	Comparison and analysis of Eu <sup>3+</sup> luminescence in Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> and Y <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> hosts material for red lighting phosphor. <i>Materials Chemistry and Physics</i> , 2015, 166, 167-175.	4.0	33
89	Tailoring and optimization of optical properties of CdO thin films for gas sensing applications. <i>Physica B: Condensed Matter</i> , 2018, 535, 314-318.	2.7	33
90	Electron beam induced degradation of a pulsed laser deposited ZnS:Cu,Au,Al thin film on a Si(1 0 0) substrate. <i>Applied Surface Science</i> , 2001, 183, 304-310.	6.1	32

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91	Role of swift heavy ions irradiation on the emission of boron doped ZnO thin films for near white light application. <i>Journal of Alloys and Compounds</i> , 2014, 594, 32-38.	5.5	32
92	Luminescent properties, intensity degradation and X-ray photoelectron spectroscopy analysis of CaS:Eu <sup>2+</sup> powder. <i>Optical Materials</i> , 2015, 40, 68-75.	3.6	32
93	(INVITED) Ultraviolet and visible luminescence from bismuth doped materials. <i>Optical Materials: X</i> , 2019, 2, 100025.	0.8	32
94	Multifunction applications of Bi <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> nanophosphor for red light emission and photocatalytic activity. <i>Applied Surface Science</i> , 2019, 497, 143748.	6.1	32
95	Structural, optical and photoluminescence properties of Eu doped ZnO thin films prepared by spin coating. <i>Journal of Molecular Structure</i> , 2019, 1192, 105-114.	3.6	32
96	H <sub>2</sub> S detection capabilities with fibrous-like La-doped ZnO nanostructures: A comparative study on the combined effects of La-doping and post-annealing. <i>Journal of Alloys and Compounds</i> , 2019, 797, 284-301.	5.5	32
97	Dependence of Eu <sup>3+</sup> luminescence dynamics on the structure of the combustion synthesized Sr <sub>5</sub> (PO <sub>4</sub> ) <sub>3</sub> F host. <i>Journal of Alloys and Compounds</i> , 2011, 509, 2544-2551.	5.5	31
98	Synthesis and optical studies of KCaVO <sub>4</sub> :Sm <sup>3+</sup> /PMMA nanocomposites. <i>Vacuum</i> , 2019, 159, 414-422.	3.5	31
99	Photoluminescence and thermoluminescence properties of Pr <sup>3+</sup> doped ZnTa <sub>2</sub> O <sub>6</sub> phosphor. <i>Powder Technology</i> , 2013, 247, 147-150.	4.2	30
100	Conversion of Y <sub>3</sub> (Al,Ga) <sub>5</sub> O <sub>12</sub> :Tb <sup>3+</sup> to Y <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> :Tb <sup>3+</sup> thin film by annealing at higher temperatures. <i>Applied Surface Science</i> , 2013, 270, 331-339.	6.1	30
101	NaSrVO <sub>4</sub> :Sm <sup>3+</sup> An n-UV convertible phosphor to fill the quantum efficiency gap for LED applications. <i>Ceramics International</i> , 2016, 42, 2317-2323.	4.8	29
102	Luminescence properties of Bi doped La <sub>2</sub> O <sub>3</sub> powder phosphor. <i>Journal of Luminescence</i> , 2019, 209, 217-224.	3.1	29
103	Electron beam-induced degradation of zinc sulfide-based phosphors. <i>Surface Science</i> , 2000, 451, 174-181.	1.9	28
104	Photon upconversion in Ho <sup>3+</sup> -Yb <sup>3+</sup> embedded tungsten tellurite glass. <i>Journal of Luminescence</i> , 2017, 192, 757-760.	3.1	28
105	Multifunctional properties of plasmonic Cu nanoparticles embedded in a glass matrix and their thermodynamic behavior. <i>Journal of Alloys and Compounds</i> , 2018, 747, 530-542.	5.5	28
106	Effects of octadecylamine molar concentration on the structure, morphology and optical properties of ZnO nanostructure prepared by homogeneous precipitation method. <i>Journal of Luminescence</i> , 2018, 200, 206-215.	3.1	28
107	Facile precipitation synthesis of green-emitting BaY <sub>2</sub> F <sub>8</sub> :Yb <sup>3+</sup> , Ho <sup>3+</sup> upconverting phosphor. <i>Ceramics International</i> , 2019, 45, 14205-14213.	4.8	28
108	Extracting inter-diffusion parameters of TiC from AES depth profiles. <i>Applied Surface Science</i> , 2003, 205, 231-239.	6.1	27

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109	Luminescent properties of $\text{Ca}_{0.97}\text{Al}_2\text{O}_4:\text{Eu}_{0.012+},\text{Dy}_{0.023+}$ phosphors prepared by combustion method at different initiating temperatures. <i>Journal of Alloys and Compounds</i> , 2010, 508, 262-265.	5.5	27
110	PL and CL degradation and characteristics of $\text{SrAl}_2\text{O}_4:\text{Eu}^{2+},\text{Dy}^{3+}$ phosphors. <i>Physica B: Condensed Matter</i> , 2012, 407, 1664-1667.	2.7	27
111	Energy transfer pathways in $\text{MgAl}_2\text{O}_4$ triply doped with 0.1% $\text{Ce}^{3+}$ , 0.1% $\text{Eu}^{2+}$ , and 0.1% $\text{Tb}^{3+}$ . <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="s1.gif" overflow="scroll"><mml:mrow><mml:mo		



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127	The effect of different gas atmospheres on luminescent properties of pulsed laser ablated SrAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> , Dy <sup>3+</sup> thinfilms. Journal of Luminescence, 2011, 131, 119-125.	3.1	22
128	Charge compensated CaSr <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> :Sm <sup>3+</sup> , Li <sup>+</sup> /Na <sup>+</sup> /K <sup>+</sup> phosphor: Luminescence and thermometric studies. Journal of Alloys and Compounds, 2022, 901, 163793.	5.5	22
129	Concentration quenching, surface and spectral analyses of SrF <sub>2</sub> :Pr <sup>3+</sup> prepared by different synthesis techniques. Optical Materials, 2015, 42, 204-209.	3.6	21
130	Energy transfer study between Ce <sup>3+</sup> and Tb <sup>3+</sup> ions in a calcium fluoride crystal for solar cell applications. Journal of Luminescence, 2017, 187, 96-101.	3.1	21
131	Surface and spectral studies of Sm <sup>3+</sup> doped Li <sub>4</sub> Ca(BO <sub>3</sub> ) <sub>2</sub> phosphors for white light emitting diodes. Journal of Alloys and Compounds, 2018, 738, 97-104.	5.5	21
132	Pulsed laser deposition of a ZnO:Eu <sup>3+</sup> thin film: Study of the luminescence and surface state under electron beam irradiation. Applied Surface Science, 2020, 502, 144281.	6.1	21
133	Effect of a CdO coating on the degradation of a ZnS thin film phosphor material. Applied Surface Science, 2002, 187, 137-144.	6.1	20
134	Degradation of Y <sub>2</sub> SiO <sub>5</sub> :Ce phosphor powders. Journal of Luminescence, 2007, 126, 37-42.	3.1	20
135	The effect of Mg <sup>2+</sup> ions on the photoluminescence of Ce <sup>3+</sup> -doped silica. Physica B: Condensed Matter, 2009, 404, 4499-4503.	2.7	20
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258	Role of Ga particulates on the structure and optical properties of Y <sub>3</sub> (Al,Ga) <sub>5</sub> O <sub>12</sub> :Tb thin films prepared by PLD. <i>Physica B: Condensed Matter</i> , 2018, 535, 319-322.	2.7	1
259	Synthesis of silver incorporated lithium doped zinc oxide nanocomposites for in-vitro biorational evaluation of Candidiasis and Cryptococcosis. <i>Applied Surface Science</i> , 2020, 506, 144800.	6.1	1
260	The morphology and downshifting luminescence of [CaY]F <sub>2</sub> crystals doped with Ce <sup>3+</sup> /Eu <sup>3+</sup> /2 <sup>+</sup> /Na <sup>+</sup> . <i>Ceramics International</i> , 2022, 48, 23657-23665.	4.8	1
261	Energy transfer mechanism in Eu <sup>3+</sup> doped tin oxide nanophosphors for red solid state lighting. <i>Journal of Luminescence</i> , 2022, 250, 119085.	3.1	1