

Hc Swart

List of Publications by Year in descending order

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261
papers

8,420
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50276

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all docs

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docs citations

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times ranked

6568
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoluminescence, cathodoluminescence degradation and surface analysis of Gd ₂ O ₃ :Bi pulsed laser deposition thin films. <i>Physica B: Condensed Matter</i> , 2022, 631, 413618.	2.7	3
2	Charge compensated CaSr ₂ (PO ₄) ₂ :Sm ³⁺ , Li ⁺ /Na ⁺ /K ⁺ phosphor: Luminescence and thermometric studies. <i>Journal of Alloys and Compounds</i> , 2022, 901, 163793.	5.5	22
3	Plasmonic Au nanoparticles embedded in glass: Study of TOF-SIMS, XPS and its enhanced antimicrobial activities. <i>Journal of Alloys and Compounds</i> , 2022, 909, 164789.	5.5	26
4	The morphology and downshifting luminescence of [CaY]F ₂ crystals doped with Ce ³⁺ /Eu ³⁺ /2+/Na ⁺ . <i>Ceramics International</i> , 2022, 48, 23657-23665.	4.8	1
5	Energy transfer mechanism in Eu ³⁺ doped tin oxide nanophosphors for red solid state lighting. <i>Journal of Luminescence</i> , 2022, 250, 119085.	3.1	1
6	Upconversion process in BaY ₂ F ₈ :Yb ³⁺ ,Ho ³⁺ phosphor for optical thermometry. <i>Luminescence</i> , 2021, 36, 1847-1850.	2.9	8
7	Synthesis, surface and photoluminescence properties of Sm ³⁺ doped $\hat{\pm}$ -Bi ₂ O ₃ . <i>Journal of Alloys and Compounds</i> , 2021, 854, 157221.	5.5	19
8	Luminescent behaviour of SrF ₂ and CaF ₂ crystals doped with Eu ions under different annealing temperatures. <i>Journal of Alloys and Compounds</i> , 2021, 858, 157741.	5.5	7
9	Color tuning of the Ba _{1.96} Mg(PO ₄) ₂ :0.04Eu ²⁺ phosphor induced by the chemical unit co-substitution of the (BO ₃) ₃ anion group. <i>Journal of Alloys and Compounds</i> , 2021, 864, 158124.	5.5	8
10	Blue-emitting Ca ₃ Mg ₃ (PO ₄) ₄ :Eu ²⁺ phosphor: Study of electron-vibrational interaction in the 5d states of Eu ²⁺ ions. <i>Optical Materials</i> , 2021, 114, 110959.	3.6	5
11	Synthesis and characterization of europium doped zinc selenide thin films prepared by photo-assisted chemical bath technique for luminescence application. <i>Materials Chemistry and Physics</i> , 2021, 262, 124303.	4.0	11
12	Fabrication of TiO ₂ nanofibers based sensors for enhanced CH ₄ performance induced by notable surface area and acid treatment. <i>Vacuum</i> , 2021, 187, 110102.	3.5	23
13	Structural and spectral studies of highly pure red-emitting Ca ₃ B ₂ O ₆ :Eu ³⁺ phosphors for white light emitting diodes. <i>Journal of Alloys and Compounds</i> , 2021, 869, 159363.	5.5	39
14	Structural, surface and luminescent properties of SrF ₂ :Eu annealed thin films. <i>Vacuum</i> , 2021, 191, 110362.	3.5	8
15	Defects induced enhancement of antifungal activities of Zn doped CuO nanostructures. <i>Applied Surface Science</i> , 2021, 560, 150026.	6.1	50
16	Electron beam irradiation studies of ZnGa ₂ O ₄ :Mn ²⁺ green phosphor. <i>Vacuum</i> , 2021, 192, 110447.	3.5	5
17	Evaluation of the effects of Au addition into ZnFe ₂ O ₄ nanostructures on acetone detection capabilities. <i>Materials Research Bulletin</i> , 2021, 142, 111395.	5.2	15
18	Interface analysis of SrWO ₄ :Er ³⁺ -Yb ³⁺ /Si thin films prepared by radio frequency magnetron sputtering for upconversion emission. <i>Physica B: Condensed Matter</i> , 2021, 623, 413349.	2.7	3

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19	The role of sulfate ions on distinctive defect emissions in ZnO:Ce ³⁺ nanophosphors - A study on the application in color display systems. <i>Journal of Luminescence</i> , 2021, 240, 118462.	3.1	10
20	Study of photoluminescence and nonlinear optical behaviour of AgCu nanoparticles for nanophotonics. <i>Nano Structures Nano Objects</i> , 2021, 28, 100807.	3.5	11
21	Effect of oxygen partial pressure during pulsed laser deposition on the emission of Eu doped ZnO thin films. <i>Physica B: Condensed Matter</i> , 2020, 576, 411713.	2.7	17
22	Pulsed laser deposition of a ZnO:Eu ³⁺ thin film: Study of the luminescence and surface state under electron beam irradiation. <i>Applied Surface Science</i> , 2020, 502, 144281.	6.1	21
23	Remarkable influence of alkaline earth ions on the enhancement of fluorescence from Eu ³⁺ ion doped in sodium ortho-phosphate phosphors. <i>Journal of Molecular Structure</i> , 2020, 1203, 127375.	3.6	24
24	Characterization of the incorporated ZnO doped and co-doped with Ce ³⁺ and Eu ³⁺ nanophosphor powders into PVC polymer matrix. <i>Journal of Molecular Structure</i> , 2020, 1202, 127339.	3.6	17
25	Gas sensors based on CeO ₂ nanoparticles prepared by chemical precipitation method and their temperature-dependent selectivity towards H ₂ S and NO ₂ gases. <i>Applied Surface Science</i> , 2020, 505, 144356.	6.1	67
26	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
27	Effect of hydrazine hydrate as complexing agent in the synthesis of zinc selenide thin films by chemical bath deposition. <i>Thin Solid Films</i> , 2020, 693, 137707.	1.8	6
28	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
29	Facile control of room temperature nitrogen dioxide gas selectivity induced by copper oxide nanoplatelets. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 755-768.	9.4	26
30	Structural and luminescence properties of Y ₂ O ₃ :Eu ³⁺ +red phosphor by incorporation of Ga ³⁺ and Bi ³⁺ ions. <i>Materials Research Bulletin</i> , 2020, 124, 110752.	5.2	16
31	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
32	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
33	Photoactive CdO:TiO ₂ nanocomposites for dyes degradation under visible light. <i>Materials Chemistry and Physics</i> , 2020, 253, 123191.	4.0	17
34	Structural and luminescence properties of thermally stable cool-white light emitting NaCaPO ₄ :Dy ³⁺ phosphor. <i>Optik</i> , 2020, 219, 165026.	2.9	19
35	Red emitting non-rare earth doped LiMgBO ₃ phosphor for light emitting diodes. <i>Journal of Alloys and Compounds</i> , 2020, 830, 154622.	5.5	12
36	Surface, optical and photocatalytic properties of Rb doped ZnO nanoparticles. <i>Applied Surface Science</i> , 2020, 514, 145930.	6.1	68

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37	Luminescence properties of Eu doped ZnO PLD thin films: The effect of oxygen partial pressure. Superlattices and Microstructures, 2020, 139, 106432.	3.1	13
38	Thermally induced structural metamorphosis of ZnO:Rb nanostructures for antibacterial impacts. Colloids and Surfaces B: Biointerfaces, 2020, 188, 110821.	5.0	17
39	Phase transformation on zinc selenide thin films deposited by photo-assisted chemical bath method: The effect of annealing temperature. Materials Science in Semiconductor Processing, 2020, 115, 105118.	4.0	8
40	Optical properties and stability of Bi doped La ₂ O ₂ S. Optical Materials, 2019, 95, 109260.	3.6	10
41	Comparative study of photo- and non-photo-assisted chemical bath deposition of Zinc Selenide thin films using different volumes of hydrazine hydrate. Superlattices and Microstructures, 2019, 134, 106222.	3.1	11
42	Structural, morphological and optical properties of ZnO nanorods grown on a ZnO:Ga seeded thin film: The role of chemical bath deposition precursor concentration at constant and varying II/VI molar ratios. Thin Solid Films, 2019, 687, 137483.	1.8	5
43	(INVITED) Ultraviolet and visible luminescence from bismuth doped materials. Optical Materials: X, 2019, 2, 100025.	0.8	32
44	Improved steady-state photoluminescence derived from the compensation of the charge-imbalance in Ca ₃ Mg ₃ (PO ₄) ₄ :Eu ³⁺ phosphor. Ceramics International, 2019, 45, 21709-21715.	4.8	34
45	Effects of cationic substitution on the luminescence behavior of Dy ³⁺ doped orthophosphate phosphor. Journal of Alloys and Compounds, 2019, 806, 1127-1137.	5.5	40
46	Photoluminescence and cathodoluminescence of spin coated ZnO films with different concentration of Eu ³⁺ ions. Vacuum, 2019, 169, 108889.	3.5	23
47	Structural and Luminescence Properties of ZnO Nanoparticles Synthesized by Mixture of Fuel Approach in Solution Combustion Method. , 2019, , .		3
48	Multifunction applications of Bi ₂ O ₃ :Eu ³⁺ nanophosphor for red light emission and photocatalytic activity. Applied Surface Science, 2019, 497, 143748.	6.1	32
49	Cathodoluminescence degradation of Bi doped La ₂ O ₃ and La ₂ O ₂ S phosphor powders. Physica B: Condensed Matter, 2019, 574, 411659.	2.7	10
50	Photoluminescence and thermoluminescence studies of 100 MeV Si ⁸⁺ ion irradiated Y ₂ O ₃ :Dy ³⁺ nanophosphor. Journal of Luminescence, 2019, 209, 179-187.	3.1	6
51	Luminescence properties of Bi doped La ₂ O ₃ powder phosphor. Journal of Luminescence, 2019, 209, 217-224.	3.1	29
52	Analysis of the electron-vibrational interaction in the 5d states of Eu ²⁺ ions in LiSrPO ₄ host matrix. Journal of Luminescence, 2019, 214, 116564.	3.1	15
53	Controlling the morphology of ZnO NRs grown on GZO seed layer, by use of ethylenediamine and L-cysteine as crystal growth modifiers and complexing agents. Applied Surface Science, 2019, 487, 1198-1208.	6.1	4
54	Structural, optical and photoluminescence properties of Eu doped ZnO thin films prepared by spin coating. Journal of Molecular Structure, 2019, 1192, 105-114.	3.6	32

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55	H ₂ 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
56	Facile precipitation synthesis of green-emitting BaY ₂ F ₈ :Yb ³⁺ , Ho ³⁺ upconverting phosphor. <i>Ceramics International</i> , 2019, 45, 14205-14213.	4.8	28
57	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
58	Cathodoluminescence degradation study of the green luminescence of ZnO nanorods. <i>Applied Surface Science</i> , 2019, 484, 105-111.	6.1	14
59	Thermoluminescence response in ⁶⁰ Co gamma rays, 100 keV Si ⁸⁺ and 150 keV Au ⁹⁺ irradiated Y ₂ O ₃ :Ho ³⁺ nanophosphor. <i>Journal of Alloys and Compounds</i> , 2019, 778, 554-565.	5.5	9
60	Synthesis and optical studies of KCaVO ₄ :Sm ³⁺ /PMMA nanocomposites. <i>Vacuum</i> , 2019, 159, 414-422.	3.5	31
61	Selective detection of CO at room temperature with CuO nanoplatelets sensor for indoor air quality monitoring manifested by crystallinity. <i>Applied Surface Science</i> , 2019, 466, 545-553.	6.1	61
62	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
63	Self-assembled Cu doped CdS nanostructures on flexible cellulose acetate substrates using low cost sol-gel route. <i>Nano Structures Nano Objects</i> , 2018, 16, 1-8.	3.5	17
64	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
65	Enhancement of upconversion emission and temperature sensing of paramagnetic Gd ₂ Mo ₃ O ₉ :Er ³⁺ /Yb ³⁺ phosphor via Li ⁺ /Mg ²⁺ co-doping. <i>Journal of Alloys and Compounds</i> , 2018, 747, 455-464.	5.5	45
66	Photoluminescence, thermoluminescence and defect centres in Y ₂ O ₃ and Y ₂ O ₃ :Tb ³⁺ under 100 keV swift Ni ⁸⁺ ion beam irradiation. <i>Materials Research Bulletin</i> , 2018, 102, 62-69.	5.2	9
67	Synthesis, structure and optical studies of ZnO:Eu ³⁺ ,Er ³⁺ ,Yb ³⁺ thin films: Enhanced up-conversion emission. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 540, 123-135.	4.7	19
68	In depth study on the notable room-temperature NO ₂ gas sensor based on CuO nanoplatelets prepared by sonochemical method: Comparison of various bases. <i>Sensors and Actuators B: Chemical</i> , 2018, 266, 761-772.	7.8	69
69	Host sensitized near-infrared emission in Nd ³⁺ doped different alkaline-sodium-phosphate phosphors. <i>Physica B: Condensed Matter</i> , 2018, 535, 29-34.	2.7	16
70	Upconversion luminescence of Er ³⁺ /Yb ³⁺ doped Sr ₅ (PO ₄) ₃ OH phosphor powders. <i>Physica B: Condensed Matter</i> , 2018, 535, 57-62.	2.7	6
71	Structure and photoluminescence properties of Ba _{2-x} Si ₄ O ₁₀ :xSm ³⁺ . <i>Physica B: Condensed Matter</i> , 2018, 535, 50-56.	2.7	3
72	Combustion synthesis and characterization of blue long lasting phosphor CaAl ₂ O ₄ :Eu ²⁺ , Dy ³⁺ and its novel application in latent fingerprint and lip mark detection. <i>Physica B: Condensed Matter</i> , 2018, 535, 149-156.	2.7	40

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73	Luminescence properties of Y ₂ O ₃ :Bi ³⁺ , Yb ³⁺ co-doped phosphor for application in solar cells. Physica B: Condensed Matter, 2018, 535, 102-105.	2.7	11
74	Structural and plasmonic properties of noble metal doped ZnO nanomaterials. Physica B: Condensed Matter, 2018, 535, 114-118.	2.7	24
75	Potential of Sm ³⁺ doped LiSrVO ₄ nanophosphor to fill amber gap in LEDs. Physica B: Condensed Matter, 2018, 535, 221-226.	2.7	57
76	A potential green emitting citrate gel synthesized NaSrBO ₃ :Tb ³⁺ phosphor for display application. Physica B: Condensed Matter, 2018, 535, 189-193.	2.7	9
77	Physical and optical properties of lithium borosilicate glasses doped with Dy ³⁺ ions. Physica B: Condensed Matter, 2018, 535, 194-197.	2.7	18
78	The effect of the host lattice on the optical properties of Bi ³⁺ in Ca _{1-x} O:Bi and Ca _{1-x} (OH) ₂ :Bi phosphors. Applied Surface Science, 2018, 433, 155-159.	6.1	5
79	Role of Ga particulates on the structure and optical properties of Y ₃ (Al,Ga) ₅ O ₁₂ :Tb thin films prepared by PLD. Physica B: Condensed Matter, 2018, 535, 319-322.	2.7	1
80	Influence of Bi doping on the structure and photoluminescence of ZnO phosphor synthesized by the combustion method. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 190, 164-171.	3.9	44
81	Surface and spectral studies of Sm ³⁺ doped Li ₄ Ca(BO ₃) ₂ phosphors for white light emitting diodes. Journal of Alloys and Compounds, 2018, 738, 97-104.	5.5	21
82	Band gap engineering, enhanced morphology and photoluminescence of un-doped, Ga and/or Al-doped ZnO nanoparticles by reflux precipitation method. Journal of Luminescence, 2018, 195, 54-60.	3.1	24
83	Tailoring and optimization of optical properties of CdO thin films for gas sensing applications. Physica B: Condensed Matter, 2018, 535, 314-318.	2.7	33
84	Energy transfer upconversion in Er ³⁺ -Tm ³⁺ codoped sodium silicate glass. Physica B: Condensed Matter, 2018, 535, 330-332.	2.7	8
85	Photocatalytic and biological applications of Ag and Au doped ZnO nanomaterial synthesized by combustion. Vacuum, 2018, 157, 508-513.	3.5	73
86	Surface and chemical characterization of ZnO:Eu ³⁺ /Yb ³⁺ spin coated thin films using SEM-CL and TOF-SIMS. Vacuum, 2018, 157, 376-383.	3.5	9
87	The effect of pH on the luminescence properties of Y ₂ O ₃ :Bi phosphor powders synthesised using co-precipitation. Vacuum, 2018, 157, 237-242.	3.5	9
88	Synthesis and characterization of Er ³⁺ -Yb ³⁺ doped ZnO upconversion nanoparticles for solar cell application. Journal of Alloys and Compounds, 2018, 766, 429-435.	5.5	72
89	Development of an optical thermometry system for phosphor materials. Vacuum, 2018, 155, 702-711.	3.5	6
90	The effect of different annealing temperatures on the structure and luminescence properties of Y ₂ O ₃ :Bi ³⁺ thin film fabricated by RF magnetron sputtering. Applied Surface Science, 2017, 424, 407-411.	6.1	14

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91	Structural and luminescence properties of Eu ³⁺ /Dy ³⁺ embedded sodium silicate glass for multicolour emission. <i>Journal of Alloys and Compounds</i> , 2017, 708, 922-931. Colour tuning and energy transfer pathways in MgAl ₂ O ₄ triply doped with 0.1% Ce ³⁺ , 0.1% Eu ²⁺ , x% Tb ³⁺	5.5	43
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109	Non-plasmonic enhancement of the near band edge luminescence from ZnO using Ag nanoparticles. <i>Journal of Luminescence</i> , 2017, 182, 263-267.	3.1	24
110	Colour tuneable emission from $(Y_{1.995}xGax)_{2}O_{3}:Bi^{3+}$ phosphor prepared by a sol-gel combustion method. <i>Materials Letters</i> , 2017, 186, 345-348.	2.6	8
111	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
112	Investigation of thermoluminescence response and trapping parameters of 120 MeV Ag^{9+} and $\hat{1}^3$ -ray exposed $NaSrBO_{3}:Dy^{3+}$ phosphor for dosimetry. <i>Journal of Alloys and Compounds</i> , 2017, 691, 919-928.	5.5	20
113	Structural and luminescence responses of $CaMoO_{4}$ nano phosphors synthesized by hydrothermal route to swift heavy ion irradiation: Elemental and spectral stability. <i>Acta Materialia</i> , 2017, 124, 109-119.	7.9	26
114	Structural and optical studies of $ZnAl_{2}O_{4}:x\%Cu^{2+}$ synthesized via citrate sol-gel route. <i>Optical Materials</i> , 2017, 64, 26-32.	3.6	18
115	Effect of annealing temperature on structural and optical properties of $ZnAl_{2}O_{4}:1.5\%Pb^{2+}$ nanocrystals synthesized via sol-gel reaction. <i>Journal of Alloys and Compounds</i> , 2016, 677, 72-79.	5.5	35
116	Spectroscopic studies of Sm^{3+}/Dy^{3+} co-doped lithium boro-silicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2016, 438, 49-58.	3.1	50
117	Photoluminescence and thermoluminescence properties of $Y_{3}(Al,Ga)_{5}O_{12}:Tb^{3+}$ phosphor. <i>Journal of Modern Optics</i> , 2016, 63, 103-110.	1.3	4
118	Ion-induced modification of structural, optical and luminescence behaviour of $Gd_{2}MoO_{6}$ nanomaterials: A comparative approach. <i>Vacuum</i> , 2016, 128, 146-157.	3.5	6
119	Role of deposition time on the properties of $ZnO:Tb^{3+}$ thin films prepared by pulsed laser deposition. <i>Journal of Colloid and Interface Science</i> , 2016, 474, 129-136.	9.4	16
120	Ag^{7+} ion induced modification of morphology, optical and luminescence behaviour of charge compensated $CaMoO_{4}$ nanophosphor. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2016, 384, 76-85.	1.4	3
121	Thermoluminescence response of 120 MeV Ag^{9+} and $\hat{1}^3$ -ray exposed $LiMgBO_{3}:Dy^{3+}$ nanophosphors for dosimetry. <i>Ceramics International</i> , 2016, 42, 18529-18535.	4.8	11
122	The effect of annealing temperature on the luminescence properties of $Y_{2}O_{3}$ phosphor powders doped with a high concentration of Bi^{3+} . <i>Journal of Luminescence</i> , 2016, 180, 198-203.	3.1	17
123	Eu^{3+} doped down shifting TiO_{2} layer for efficient dye-sensitized solar cells. <i>Journal of Colloid and Interface Science</i> , 2016, 484, 24-32.	9.4	44
124	Characterization of annealed Eu^{3+} -doped ZnO flower-like morphology synthesized by chemical bath deposition method. <i>Optical Materials</i> , 2016, 60, 294-304.	3.6	39
125	Near infrared quantum cutting of Na^{+} and $Eu^{2+}-Yb^{3+}$ couple activated SrF_{2} crystal. <i>Optical Materials</i> , 2016, 60, 521-525.	3.6	10
126	Embedded plasmonic nanostructures: synthesis, fundamental aspects and their surface enhanced Raman scattering applications. <i>International Reviews in Physical Chemistry</i> , 2016, 35, 353-398.	2.3	58

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127	Comparison of Y ₂ O ₃ :Bi ³⁺ phosphor thin films fabricated by the spin coating and radio frequency magnetron techniques. <i>Physica B: Condensed Matter</i> , 2016, 497, 39-44.	2.7	13
128	The effect of different substrate temperatures on the structure and luminescence properties of Y ₂ O ₃ :Bi ³⁺ thin films. <i>Solid State Sciences</i> , 2016, 53, 30-36.	3.2	15
129	Effect of swift heavy ion irradiation on structural, optical and luminescence properties of SrAl ₂ O ₄ :Eu ²⁺ , Dy ³⁺ nanophosphor. <i>Radiation Physics and Chemistry</i> , 2016, 122, 48-54.	2.8	10
130	Temperature induced upconversion behaviour of Ho ³⁺ -Yb ³⁺ codoped yttrium oxide films prepared by pulsed laser deposition. <i>Journal of Alloys and Compounds</i> , 2016, 672, 190-196.	5.5	20
131	Trap characteristics of UV-activated Y ₃ (Al,Ga) ₅ O ₁₂ :Ce ³⁺ phosphors. <i>Optik</i> , 2016, 127, 3918-3924.	2.9	9
132	The effect of different annealing temperatures on the structure and luminescence properties of Y ₂ O ₃ :Bi ³⁺ thin films fabricated by spin coating. <i>Applied Surface Science</i> , 2016, 365, 93-98.	6.1	17
133	La ³⁺ eliminate the blue component from the emission of Y ₂ O ₃ :Bi ³⁺ . <i>Materials Letters</i> , 2016, 171, 171-173.	2.6	2
134	Structural and optical characterization of mechanically milled Mg-TiO ₂ and nitrated Mg-TiO ₂ -N nanostructures: Possible candidates for gas sensing application. <i>Applied Surface Science</i> , 2016, 360, 1047-1058.	6.1	3
135	Structural, surface and luminescence properties of Ca ₃ B ₂ O ₆ :Dy ³⁺ phosphors. <i>Ceramics International</i> , 2016, 42, 5743-5753.	4.8	35
136	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
137	Structural and luminescence properties of SrAl ₂ O ₄ :Eu ²⁺ ,Dy ³⁺ ,Nd ³⁺ phosphor thin films grown by pulsed laser deposition. <i>Physica B: Condensed Matter</i> , 2016, 480, 116-124.	2.7	8
138	The influence of substrate temperature and deposition pressure on pulsed laser deposited thin films of CaS:Eu ²⁺ phosphors. <i>Physica B: Condensed Matter</i> , 2016, 480, 186-190.	2.7	9
139	Characterization of crystallite morphology for doped strontium fluoride nanophosphors by TEM and XRD. <i>Physica B: Condensed Matter</i> , 2016, 480, 169-173.	2.7	12
140	Surface characterization of ZnO nanorods grown by chemical bath deposition. <i>Physica B: Condensed Matter</i> , 2016, 480, 42-47.	2.7	10
141	NaSrVO ₄ :Sm ³⁺ 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
142	Spectroscopic properties of Pr ³⁺ ions embedded in lithium borate glasses. <i>Physica B: Condensed Matter</i> , 2016, 480, 111-115.	2.7	39
143	Effect of doping concentration on the conductivity and optical properties of p-type ZnO thin films. <i>Physica B: Condensed Matter</i> , 2016, 480, 31-35.	2.7	19
144	Dopant distribution and influence of sonication temperature on the pure red light emission of mixed oxide phosphor for solid state lighting. <i>Ultrasonics Sonochemistry</i> , 2016, 28, 79-89.	8.2	24

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145	The influence of laser wavelength on the structure, morphology, and photoluminescence properties of pulsed laser deposited CaS: Eu ²⁺ thin films. <i>Journal of Modern Optics</i> , 2015, 62, 1102-1109.	1.3	4
146	P-type conductivity in doped and codoped ZnO thin films synthesized by RF magnetron sputtering. <i>Journal of Modern Optics</i> , 2015, 62, 1368-1373.	1.3	25
147	Concentration quenching, surface and spectral analyses of SrF ₂ :Pr ³⁺ prepared by different synthesis techniques. <i>Optical Materials</i> , 2015, 42, 204-209.	3.6	21
148	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
149	Luminescent properties, intensity degradation and X-ray photoelectron spectroscopy analysis of CaS:Eu ²⁺ powder. <i>Optical Materials</i> , 2015, 40, 68-75.	3.6	32
150	Effects of Cr ³⁺ mol% on the structure and optical properties of the ZnAl ₂ O ₄ :Cr ³⁺ nanocrystals synthesized using sol-gel process. <i>Ceramics International</i> , 2015, 41, 6776-6783.	4.8	60
151	X-ray photoelectron spectroscopy and luminescent properties of Y ₂ O ₃ :Bi ³⁺ phosphor. <i>Applied Surface Science</i> , 2015, 332, 198-204.	6.1	45
152	Characteristics of the mechanical milling on the room temperature ferromagnetism and sensing properties of TiO ₂ nanoparticles. <i>Applied Surface Science</i> , 2015, 331, 362-372.	6.1	42
153	A near-UV-converted LiMgBO ₃ :Dy ³⁺ nanophosphor: Surface and spectral investigations. <i>Applied Surface Science</i> , 2015, 329, 40-46.	6.1	53
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