

Hc Swart

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/11619602/hc-swart-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

258
papers

6,276
citations

40
h-index

61
g-index

261
ext. papers

7,299
ext. citations

4.6
avg, IF

6.49
L-index

#	Paper	IF	Citations
258	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	2.8	1
257	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	5.7	1
256	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	5.7	3
255	Study of photoluminescence and nonlinear optical behaviour of AgCu nanoparticles for nanophotonics. <i>Nano Structures Nano Objects</i> , 2021 , 28, 100807	5.6	4
254	Upconversion process in BaY F :Yb ,Ho phosphor for optical thermometry. <i>Luminescence</i> , 2021 , 36, 1847-1850	3.5	3
253	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	3.3	3
252	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	4.4	3
251	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	3.7	10
250	Synthesis, surface and photoluminescence properties of Sm ³⁺ doped Bi ₂ O ₃ . <i>Journal of Alloys and Compounds</i> , 2021 , 854, 157221	5.7	8
249	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	5.7	1
248	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	5.7	4
247	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	5.7	10
246	Structural, surface and luminescent properties of SrF ₂ :Eu annealed thin films. <i>Vacuum</i> , 2021 , 191, 110363	3.7	2
245	Defects induced enhancement of antifungal activities of Zn doped CuO nanostructures. <i>Applied Surface Science</i> , 2021 , 560, 150026	6.7	12
244	Electron beam irradiation studies of ZnGa ₂ O ₄ :Mn ²⁺ green phosphor. <i>Vacuum</i> , 2021 , 192, 110447	3.7	0
243	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	5.1	2
242	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	2.8	3

241	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	3.8	1
240	Photoactive CdO:TiO ₂ nanocomposites for dyes degradation under visible light. <i>Materials Chemistry and Physics</i> , 2020 , 253, 123191	4.4	5
239	Structural and luminescence properties of thermally stable cool-white light emitting NaCaPO ₄ :Dy ³⁺ phosphor. <i>Optik</i> , 2020 , 219, 165026	2.5	9
238	Red emitting non-rare earth doped LiMgBO ₃ phosphor for light emitting diodes. <i>Journal of Alloys and Compounds</i> , 2020 , 830, 154622	5.7	5
237	Surface, optical and photocatalytic properties of Rb doped ZnO nanoparticles. <i>Applied Surface Science</i> , 2020 , 514, 145930	6.7	38
236	Luminescence properties of Eu doped ZnO PLD thin films: The effect of oxygen partial pressure. <i>Superlattices and Microstructures</i> , 2020 , 139, 106432	2.8	6
235	Thermally induced structural metamorphosis of ZnO:Rb nanostructures for antibacterial impacts. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 188, 110821	6	9
234	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	3.4	10
233	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	3.4	9
232	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	6.7	33
231	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	6.7	1
230	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	2.2	5
229	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	42.2	156
228	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	9.3	13
227	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	5.1	10
226	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	3.1	12
225	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	5.1	22
224	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	2.8	8

223	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	6.7	8
222	Phase transformation on zinc selenide thin films deposited by photo-assisted chemical bath method: The effect of annealing temperature. <i>Materials Science in Semiconductor Processing</i> , 2020 , 115, 105118	4.3	3
221	Multifunction applications of Bi ₂ O ₃ :Eu ³⁺ nanophosphor for red light emission and photocatalytic activity. <i>Applied Surface Science</i> , 2019 , 497, 143748	6.7	18
220	Cathodoluminescence degradation of Bi doped La ₂ O ₃ and La ₂ O ₂ S phosphor powders. <i>Physica B: Condensed Matter</i> , 2019 , 574, 411659	2.8	8
219	Photoluminescence and thermoluminescence studies of 100 MeV Si ⁸⁺ ion irradiated Y ₂ O ₃ :Dy ³⁺ nanophosphor. <i>Journal of Luminescence</i> , 2019 , 209, 179-187	3.8	5
218	Luminescence properties of Bi doped La ₂ O ₃ powder phosphor. <i>Journal of Luminescence</i> , 2019 , 209, 217-224	3.8	20
217	Analysis of the electron-vibrational interaction in the 5d states of Eu ²⁺ ions in LiSrPO ₄ host matrix. <i>Journal of Luminescence</i> , 2019 , 214, 116564	3.8	8
216	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. <i>Applied Surface Science</i> , 2019 , 487, 1198-1208	6.7	3
215	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	3.4	17
214	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	5.7	20
213	Facile precipitation synthesis of green-emitting BaY ₂ F ₈ :Yb ³⁺ , Ho ³⁺ upconverting phosphor. <i>Ceramics International</i> , 2019 , 45, 14205-14213	5.1	17
212	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	3.6	32
211	Cathodoluminescence degradation study of the green luminescence of ZnO nanorods. <i>Applied Surface Science</i> , 2019 , 484, 105-111	6.7	12
210	Optical properties and stability of Bi doped La ₂ O ₂ S. <i>Optical Materials</i> , 2019 , 95, 109260	3.3	7
209	Comparative study of photo- and non-photo-assisted chemical bath deposition of Zinc Selenide thin films using different volumes of hydrazine hydrate. <i>Superlattices and Microstructures</i> , 2019 , 134, 106222	2.8	4
208	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. <i>Thin Solid Films</i> , 2019 , 687, 137483	2.2	4
207	(INVITED) Ultraviolet and visible luminescence from bismuth doped materials. <i>Optical Materials: X</i> , 2019 , 2, 100025	1.7	17
206	Improved steady-state photoluminescence derived from the compensation of the charge-imbalance in Ca ₃ Mg ₃ (PO ₄) ₄ :Eu ³⁺ phosphor. <i>Ceramics International</i> , 2019 , 45, 21709-21715	5.1	19

205	Effects of cationic substitution on the luminescence behavior of Dy ³⁺ doped orthophosphate phosphor. <i>Journal of Alloys and Compounds</i> , 2019 , 806, 1127-1137	5.7	14
204	Photoluminescence and cathodoluminescence of spin coated ZnO films with different concentration of Eu ³⁺ ions. <i>Vacuum</i> , 2019 , 169, 108889	3.7	16
203	Thermoluminescence response in 60Co gamma rays, 100 MeV Si ⁸⁺ and 150 MeV Au ⁹⁺ irradiated Y ₂ O ₃ :Ho ³⁺ nanophosphor. <i>Journal of Alloys and Compounds</i> , 2019 , 778, 554-565	5.7	7
202	Synthesis and optical studies of KCaVO ₄ :Sm ³⁺ /PMMA nanocomposites. <i>Vacuum</i> , 2019 , 159, 414-422	3.7	20
201	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	6.7	46
200	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	5.7	17
199	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	5.6	12
198	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	3.8	20
197	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	5.7	30
196	Photoluminescence, thermoluminescence and defect centres in Y ₂ O ₃ and Y ₂ O ₃ :Tb ³⁺ under 100 MeV swift Ni ⁸⁺ ion beam irradiation. <i>Materials Research Bulletin</i> , 2018 , 102, 62-69	5.1	5
195	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	5.1	17
194	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	8.5	54
193	Host sensitized near-infrared emission in Nd ³⁺ doped different alkaline-sodium-phosphate phosphors. <i>Physica B: Condensed Matter</i> , 2018 , 535, 29-34	2.8	12
192	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	2.8	5
191	Structure and photoluminescence properties of Ba _{2-x} Si ₄ O ₁₀ :2xSm ³⁺ . <i>Physica B: Condensed Matter</i> , 2018 , 535, 50-56	2.8	2
190	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	2.8	21
189	Luminescence properties of Y ₂ O ₃ :Bi ³⁺ , Yb ³⁺ co-doped phosphor for application in solar cells. <i>Physica B: Condensed Matter</i> , 2018 , 535, 102-105	2.8	8
188	Structural and plasmonic properties of noble metal doped ZnO nanomaterials. <i>Physica B: Condensed Matter</i> , 2018 , 535, 114-118	2.8	15

187	Potential of Sm ³⁺ doped LiSrVO ₄ nanophosphor to fill amber gap in LEDs. <i>Physica B: Condensed Matter</i> , 2018 , 535, 221-226	2.8	37
186	A potential green emitting citrate gel synthesized NaSrBO ₃ :Tb ³⁺ phosphor for display application. <i>Physica B: Condensed Matter</i> , 2018 , 535, 189-193	2.8	7
185	Physical and optical properties of lithium borosilicate glasses doped with Dy ³⁺ ions. <i>Physica B: Condensed Matter</i> , 2018 , 535, 194-197	2.8	11
184	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. <i>Applied Surface Science</i> , 2018 , 433, 155-159	6.7	2
183	Role of Ga particulates on the structure and optical properties of Y ₃ (Al,Ga) ₅ O ₁₂ :Tb thin films prepared by PLD. <i>Physica B: Condensed Matter</i> , 2018 , 535, 319-322	2.8	1
182	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	4.4	31
181	Development of an optical thermometry system for phosphor materials. <i>Vacuum</i> , 2018 , 155, 702-711	3.7	6
180	Surface and spectral studies of Sm ³⁺ doped Li ₄ Ca(BO ₃) ₂ phosphors for white light emitting diodes. <i>Journal of Alloys and Compounds</i> , 2018 , 738, 97-104	5.7	15
179	Band gap engineering, enhanced morphology and photoluminescence of un-doped, Ga and/or Al-doped ZnO nanoparticles by reflux precipitation method. <i>Journal of Luminescence</i> , 2018 , 195, 54-60	3.8	15
178	Tailoring and optimization of optical properties of CdO thin films for gas sensing applications. <i>Physica B: Condensed Matter</i> , 2018 , 535, 314-318	2.8	24
177	Energy transfer upconversion in Er ³⁺ -Tm ³⁺ codoped sodium silicate glass. <i>Physica B: Condensed Matter</i> , 2018 , 535, 330-332	2.8	7
176	Photocatalytic and biological applications of Ag and Au doped ZnO nanomaterial synthesized by combustion. <i>Vacuum</i> , 2018 , 157, 508-513	3.7	48
175	Surface and chemical characterization of ZnO:Eu ³⁺ /Yb ³⁺ spin coated thin films using SEM-CL and TOF-SIMS. <i>Vacuum</i> , 2018 , 157, 376-383	3.7	7
174	The effect of pH on the luminescence properties of Y ₂ O ₃ :Bi phosphor powders synthesised using co-precipitation. <i>Vacuum</i> , 2018 , 157, 237-242	3.7	7
173	Synthesis and characterization of Er ³⁺ -Yb ³⁺ doped ZnO upconversion nanoparticles for solar cell application. <i>Journal of Alloys and Compounds</i> , 2018 , 766, 429-435	5.7	50
172	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. <i>Applied Surface Science</i> , 2017 , 424, 407-411	6.7	12
171	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	5.7	28
170	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⁺ (0.2-2%) nanocrystals synthesized using sol-gel process. <i>Chemical Physics</i> , 2017 , 487, 75-86	2.3	19

169	Effect of Yb ³⁺ ions on structural and NIR emission of SrF ₂ :Eu ²⁺ /Pr ³⁺ down-conversion containing Na ⁺ ions. <i>Materials Research Bulletin</i> , 2017 , 93, 170-176	5.1	4
168	The influence of Cr ³⁺ concentration on the structure and photoluminescence of MgAl ₂ O ₄ :0.1% Eu ³⁺ , x% Cr ³⁺ (0.15%) nanophosphor synthesized by sol-gel process. <i>Optik</i> , 2017 , 131, 705-712	2.5	11
167	Effect of PLD growth atmosphere on the physical properties of ZnO:Zn thin films. <i>Optical Materials</i> , 2017 , 74, 76-85	3.3	13
166	Investigation of thermoluminescence characteristics of NaSrBO ₃ :Sm ³⁺ phosphor against 120 MeV Ag ⁹⁺ ion and γ-ray irradiation prepared by different methods. <i>Journal of Luminescence</i> , 2017 , 187, 499-506	3.8	11
165	Effect of substrate temperature and post annealing temperature on ZnO:Zn PLD thin film properties. <i>Optical Materials</i> , 2017 , 74, 139-149	3.3	15
164	Energy transfer study between Ce ³⁺ and Tb ³⁺ ions in a calcium fluoride crystal for solar cell applications. <i>Journal of Luminescence</i> , 2017 , 187, 96-101	3.8	13
163	Charge compensated derived enhanced red emission from Sr ₃ (VO ₄) ₂ :Eu ³⁺ nanophosphors for white light emitting diodes and flat panel displays. <i>Journal of Alloys and Compounds</i> , 2017 , 709, 362-372	5.7	33
162	Synthesis, spectral and surface investigation of novel CaMgB ₂ O ₅ :Dy ³⁺ nanophosphor for UV based white LEDs. <i>Materials Research Bulletin</i> , 2017 , 91, 140-147	5.1	20
161	Infrared emission spectroscopy and upconversion of ZnO-Li ₂ O-Na ₂ O-P ₂ O ₅ glasses doped with Nd ³⁺ ions. <i>Journal of Non-Crystalline Solids</i> , 2017 , 457, 157-163	3.9	32
160	Surface characterization and cathodoluminescence degradation of ZnO thin films. <i>Applied Surface Science</i> , 2017 , 424, 412-420	6.7	17
159	Efficient resonance energy transfer study from Ce ³⁺ to Tb ³⁺ in BaMgF ₄ . <i>Materials Chemistry and Physics</i> , 2017 , 187, 233-244	4.4	22
158	Luminescence dynamics and investigation of Judd-Ofelt intensity parameters of Sm ³⁺ ion containing glasses. <i>Optical Materials</i> , 2017 , 64, 171-178	3.3	63
157	Role of silver doping on the defects related photoluminescence and antibacterial behaviour of zinc oxide nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 159, 191-199	6	36
156	Photon upconversion in Ho ³⁺ -Yb ³⁺ embedded tungsten tellurite glass. <i>Journal of Luminescence</i> , 2017 , 192, 757-760	3.8	21
155	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	3.7	32
154	Photon and electron beam pumped luminescence of Ho ³⁺ activated CaMoO ₄ phosphor. <i>Applied Surface Science</i> , 2017 , 423, 1169-1175	6.7	11
153	Non-plasmonic enhancement of the near band edge luminescence from ZnO using Ag nanoparticles. <i>Journal of Luminescence</i> , 2017 , 182, 263-267	3.8	19
152	Colour tuneable emission from (Y _{1.995} Gax) ₂ O ₃ :Bi ³⁺ phosphor prepared by a sol-gel combustion method. <i>Materials Letters</i> , 2017 , 186, 345-348	3.3	8

151	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	9.3	42
150	Investigation of thermoluminescence response and trapping parameters of 120 MeV Ag ⁹⁺ and Er ³⁺ exposed NaSrBO ₃ :Dy ³⁺ phosphor for dosimetry. <i>Journal of Alloys and Compounds</i> , 2017 , 691, 919-928	5.7	16
149	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	8.4	18
148	Structural and optical studies of ZnAl ₂ O ₄ :x% Cu ²⁺ . <i>Optical Materials</i> , 2017 , 64, 26-32	3.3	8
147	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	8.9	20
146	Eu doped down shifting TiO ₂ layer for efficient dye-sensitized solar cells. <i>Journal of Colloid and Interface Science</i> , 2016 , 484, 24-32	9.3	35
145	Characterization of annealed Eu ³⁺ -doped ZnO flower-like morphology synthesized by chemical bath deposition method. <i>Optical Materials</i> , 2016 , 60, 294-304	3.3	30
144	Near infrared quantum cutting of Na ⁺ and Eu ²⁺ -Yb ³⁺ couple activated SrF ₂ crystal. <i>Optical Materials</i> , 2016 , 60, 521-525	3.3	7
143	Embedded plasmonic nanostructures: synthesis, fundamental aspects and their surface enhanced Raman scattering applications. <i>International Reviews in Physical Chemistry</i> , 2016 , 35, 353-398	7	41
142	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	2.8	11
141	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	3.4	13
140	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	2.5	9
139	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	5.7	15
138	Trap characteristics of UV-activated Y ₃ (Al,Ga) ₅ O ₁₂ :Ce ³⁺ phosphors. <i>Optik</i> , 2016 , 127, 3918-3924	2.5	8
137	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	6.7	16
136	La ³⁺ eliminate the blue component from the emission of Y ₂ O ₃ :Bi ³⁺ . <i>Materials Letters</i> , 2016 , 171, 171-173	3.3	2
135	Structural and optical characterization of mechanically milled Mg-TiO ₂ and nitrided Mg-TiO ₂ -N nanostructures: Possible candidates for gas sensing application. <i>Applied Surface Science</i> , 2016 , 360, 1047-1058	6.7	3
134	Structural, surface and luminescence properties of Ca ₃ B ₂ O ₆ :Dy ³⁺ phosphors. <i>Ceramics International</i> , 2016 , 42, 5743-5753	5.1	24

133	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	3	30
132	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	2.8	8
131	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	2.8	8
130	Characterization of crystallite morphology for doped strontium fluoride nanophosphors by TEM and XRD. <i>Physica B: Condensed Matter</i> , 2016 , 480, 169-173	2.8	10
129	Surface characterization of ZnO nanorods grown by chemical bath deposition. <i>Physica B: Condensed Matter</i> , 2016 , 480, 42-47	2.8	9
128	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	5.1	23
127	Spectroscopic properties of Pr ³⁺ ions embedded in lithium borate glasses. <i>Physica B: Condensed Matter</i> , 2016 , 480, 111-115	2.8	33
126	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	2.8	16
125	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	5.7	23
124	Spectroscopic studies of Sm ³⁺ /Dy ³⁺ co-doped lithium boro-silicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2016 , 438, 49-58	3.9	39
123	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	1.1	4
122	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	3.7	3
121	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, 129-36	9.3	13
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	1.2	3
119	Thermoluminescence response of 120 MeV Ag ⁹⁺ and γ-ray exposed LiMgBO ₃ :Dy ³⁺ nanophosphors for dosimetry. <i>Ceramics International</i> , 2016 , 42, 18529-18535	5.1	10
118	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	3.8	10
117	The role of oxygen and titanium related defects on the emission of TiO ₂ :Tb ³⁺ nano-phosphor for blue lighting applications. <i>Optical Materials</i> , 2015 , 46, 510-516	3.3	42
116	Radiative energy transfer in ZnAl ₂ O ₄ :0.1% Ce ³⁺ , x% Eu ³⁺ nanophosphor synthesized by sol-gel process. <i>Physica B: Condensed Matter</i> , 2015 , 468-469, 11-20	2.8	15

115	Thermoluminescence of calcium phosphate co-doped with gadolinium and praseodymium. <i>Radiation Measurements</i> , 2015 , 77, 26-33	1.5	15
114	The influence of Ag ⁹⁺ ion irradiation on the structural, optical and luminescence properties of Sm ³⁺ doped NaSrBO ₃ : Stability of color emission. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015 , 351, 27-34	1.2	8
113	Persistent photoluminescence emission from SrTa ₂ O ₆ :Pr ³⁺ phosphor prepared at different temperatures. <i>Ceramics International</i> , 2015 , 41, 8828-8836	5.1	11
112	Comparison and analysis of Eu ³⁺ luminescence in Y ₃ Al ₅ O ₁₂ and Y ₃ Ga ₅ O ₁₂ hosts material for red lighting phosphor. <i>Materials Chemistry and Physics</i> , 2015 , 166, 167-175	4.4	25
111	Luminescence of Alternating SiO ₂ :Tb and SiO ₂ :Ce Thin Films Produced by Sol-gel Spin Coating. <i>Materials Today: Proceedings</i> , 2015 , 2, 4111-4117	1.4	3
110	Effect of alkali metal ions (Li ⁺ , Na ⁺ and K ⁺) on the luminescence properties of CaMgB ₂ O ₅ : Sm ³⁺ nanophosphor. <i>Nano Structures Nano Objects</i> , 2015 , 3, 9-16	5.6	33
109	A study on the sensing of NO ₂ and O ₂ utilizing ZnO films grown by aerosol spray pyrolysis. <i>Materials Chemistry and Physics</i> , 2015 , 162, 628-639	4.4	19
108	Review of rare earth activated blue emission phosphors prepared by combustion synthesis. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 52, 596-612	16.2	53
107	Luminescence and electron degradation properties of Bi doped CaO phosphor. <i>Applied Surface Science</i> , 2015 , 356, 1064-1069	6.7	12
106	Optical and Chemical Properties of Alq ₃ :PMMA Blended Thin Films. <i>Materials Today: Proceedings</i> , 2015 , 2, 4019-4027	1.4	8
105	Upconversion based temperature sensing ability of Er ³⁺ /Tb ³⁺ codoped SrWO ₄ : An optical heating phosphor. <i>Sensors and Actuators B: Chemical</i> , 2015 , 209, 352-358	8.5	287
104	CaTiO ₃ :Eu ³⁺ , 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	5.7	36
103	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 ^{1.1}		4
102	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	1.1	16
101	Concentration quenching, surface and spectral analyses of SrF ₂ :Pr ³⁺ prepared by different synthesis techniques. <i>Optical Materials</i> , 2015 , 42, 204-209	3.3	18
100	Noble metal nanoparticles embedding into polymeric materials: From fundamentals to applications. <i>Advances in Colloid and Interface Science</i> , 2015 , 226, 187-202	14.3	69
99	Luminescent properties, intensity degradation and X-ray photoelectron spectroscopy analysis of CaS:Eu ²⁺ powder. <i>Optical Materials</i> , 2015 , 40, 68-75	3.3	27
98	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	5.1	41

97	X-ray photoelectron spectroscopy and luminescent properties of Y ₂ O ₃ :Bi ³⁺ phosphor. <i>Applied Surface Science</i> , 2015 , 332, 198-204	6.7	42
96	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	6.7	36
95	A near-UV-converted LiMgBO ₃ :Dy ³⁺ nanophosphor: Surface and spectral investigations. <i>Applied Surface Science</i> , 2015 , 329, 40-46	6.7	40
94	Structural and morphology analysis of annealed Y ₃ (Al,Ga) ₅ O ₁₂ :Tb thin films synthesized by pulsed laser deposition. <i>Applied Surface Science</i> , 2014 , 305, 732-739	6.7	9
93	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	9.3	83
92	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	6.7	37
91	Temperature-dependence on the structural, optical, and paramagnetic properties of ZnO nanostructures. <i>Applied Surface Science</i> , 2014 , 293, 62-70	6.7	70
90	Spectral and surface investigations on Eu ³⁺ doped K ₃ Y(PO ₄) ₂ nanophosphor: A promising orange-red phosphor for white light-emitting diodes. <i>Optical Materials</i> , 2014 , 36, 996-1001	3.3	24
89	Roles of doping ions in afterglow properties of blue CaAl ₂ O ₄ :Eu ²⁺ ,Nd ³⁺ phosphors. <i>Physica B: Condensed Matter</i> , 2014 , 439, 153-159	2.8	25
88	Photoluminescence properties of Ce ³⁺ -doped SrAl ₂ O ₄ prepared using the solution combustion method. <i>Physica B: Condensed Matter</i> , 2014 , 439, 177-180	2.8	19
87	Luminescence of Ce doped MgAl ₂ O ₄ prepared by the combustion method. <i>Physica B: Condensed Matter</i> , 2014 , 439, 109-114	2.8	40
86	Effect of Eu ³⁺ on the structure, morphology and optical properties of flower-like ZnO synthesized using chemical bath deposition. <i>Journal of Luminescence</i> , 2014 , 147, 85-89	3.8	53
85	Generation of white-light from Dy ³⁺ doped Sr ₂ SiO ₄ phosphor. <i>Physica B: Condensed Matter</i> , 2014 , 439, 126-129	2.8	50
84	Synthesis and characterization of Y ₂ O ₃ :Eu ³⁺ phosphors using the Sol-Combustion method. <i>Physica B: Condensed Matter</i> , 2014 , 439, 181-184	2.8	12
83	The effects of Eu-concentrations on the luminescent properties of SrF ₂ :Eu nanophosphor. <i>Journal of Luminescence</i> , 2014 , 156, 150-156	3.8	34
82	Properties of flower-like ZnO nanostructures synthesized using the chemical bath deposition. <i>Materials Science in Semiconductor Processing</i> , 2014 , 27, 33-40	4.3	32
81	Tunable and white emission from ZnO:Tb ³⁺ nanophosphors for solid state lighting applications. <i>Chemical Engineering Journal</i> , 2014 , 255, 541-552	14.7	114
80	A comparative investigation on ion impact parameters and TL response of Y ₂ O ₃ :Tb ³⁺ nanophosphor exposed to swift heavy ions for space dosimetry. <i>Journal of Alloys and Compounds</i> , 2014 , 589, 5-18	5.7	27

79	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	5.7	29
78	Enhanced upconversion and temperature sensing study of Er ³⁺ /Yb ³⁺ codoped tungsten tellurite glass. <i>Sensors and Actuators B: Chemical</i> , 2014 , 202, 1305-1312	8.5	136
77	Influence of ultrasonication times on the tunable colour emission of ZnO nanophosphors for lighting applications. <i>Ultrasonics Sonochemistry</i> , 2014 , 21, 1549-56	8.9	52
76	Luminescent properties and quenching effects of Pr ³⁺ co-doping in SiO ₂ :Tb ³⁺ /Eu ³⁺ nanophosphors. <i>Optical Materials</i> , 2014 , 36, 732-739	3.3	7
75	Enhanced exciton emission from ZnO nano-phosphor induced by Yb ³⁺ ions. <i>Materials Letters</i> , 2014 , 119, 71-74	3.3	25
74	Swift heavy ion irradiation induced modification in structural, optical and luminescence properties of Y ₂ O ₃ :Tb ³⁺ nanophosphor. <i>Journal of Luminescence</i> , 2014 , 146, 162-173	3.8	54
73	Enhanced UVB emission and analysis of chemical states of Ca ₅ (PO ₄) ₃ OH:Gd ³⁺ ,Pr ³⁺ phosphor prepared by co-precipitation. <i>Journal of Physics and Chemistry of Solids</i> , 2014 , 75, 998-1003	3.9	45
72	Improvement of the photoluminescent intensity of ZnTa ₂ O ₆ :Pr ³⁺ phosphor. <i>Materials Research Bulletin</i> , 2014 , 55, 150-155	5.1	8
71	Effect of Eu doping on the photoluminescence properties of ZnO nanophosphors for red emission applications. <i>Applied Surface Science</i> , 2014 , 308, 419-430	6.7	86
70	The greenish-blue emission and thermoluminescent properties of CaTa ₂ O ₆ :Pr ³⁺ . <i>Journal of Alloys and Compounds</i> , 2014 , 589, 88-93	5.7	26
69	A comparative study of the effect of Ni ⁹⁺ and Au ⁸⁺ ion beams on the properties of poly(methacrylic acid) grafted gum ghatti films. <i>Radiation Physics and Chemistry</i> , 2014 , 97, 253-261	2.5	11
68	Dependence of luminescence properties of CaTiO ₃ :Pr ³⁺ on different TiO ₂ polymorphs. <i>Powder Technology</i> , 2014 , 256, 477-481	5.2	9
67	Effect of different annealing temperatures on the optical properties of Y ₃ (Al,Ga) ₅ O ₁₂ :Tb thin films grown by PLD. <i>Physica B: Condensed Matter</i> , 2014 , 439, 77-82	2.8	9
66	Compound Luminescent Semiconductors: Their Properties and Uses 2013 , 73-86		1
65	Photoluminescence and thermoluminescence properties of Pr ³⁺ doped ZnTa ₂ O ₆ phosphor. <i>Powder Technology</i> , 2013 , 247, 147-150	5.2	23
64	Origin of the red emission in zinc oxide nanophosphors. <i>Materials Letters</i> , 2013 , 101, 57-60	3.3	206
63	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	2.2	126
62	Afterglow enhancement with In ³⁺ codoping in CaTiO ₃ :Pr ³⁺ + red phosphor. <i>Powder Technology</i> , 2013 , 237, 141-146	5.2	62

61	Conversion of $Y_3(Al,Ga)_5O_{12}:Tb^{3+}$ to $Y_2Si_2O_7:Tb^{3+}$ thin film by annealing at higher temperatures. <i>Applied Surface Science</i> , 2013 , 270, 331-339	6.7	25
60	The effect of Ce^{3+} 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	3.8	31
59	Improved luminescence properties of pulsed laser deposited $Y_3(Al,Ga)_5O_{12}:Tb$ thin films by post deposition annealing. <i>Journal of Luminescence</i> , 2013 , 143, 201-206	3.8	16
58	Effect of Br^{+6} ions on the structural, morphological and luminescent properties of ZnO/Si thin films. <i>Applied Surface Science</i> , 2013 , 279, 472-478	6.7	63
57	Synthesis, spectral and surface investigation of $NaSrBO_3:Sm^{3+}$ phosphor for full color down conversion in LEDs. <i>Journal of Alloys and Compounds</i> , 2013 , 554, 214-220	5.7	74
56	Cathodoluminescent stability of rare earth tantalate phosphors. <i>Journal of Luminescence</i> , 2013 , 140, 14-20	3.8	15
55	Thermo-luminescence kinetic parameters of γ -irradiated $Sr_4Al_{14}O_{25}:Eu^{2+}, Dy^{3+}$ phosphors. <i>Radiation Effects and Defects in Solids</i> , 2013 , 168, 1022-1029	0.9	4
54	The cathodoluminescence degradation and surface characterization of $[Ca_3(PO_4)_2:Tb]$ phosphor. <i>Optical Materials</i> , 2012 , 34, 1398-1405	3.3	18
53	A comparative study on structural, morphological and luminescence characteristics of $Zn_3(VO_4)_2$ phosphor prepared via hydrothermal and citrate-gel combustion routes. <i>Physica B: Condensed Matter</i> , 2012 , 407, 1485-1488	2.8	43
52	Lattice site dependent cathodoluminescence behavior and surface chemical changes in a $Sr_5(PO_4)_3F$ host. <i>Physica B: Condensed Matter</i> , 2012 , 407, 1505-1508	2.8	12
51	Surface chemical changes of $CaTiO_3:Pr^{3+}$ upon electron beam irradiation. <i>Physica B: Condensed Matter</i> , 2012 , 407, 1517-1520	2.8	15
50	Luminescence studies of a combustion-synthesized blue-green $BaAl_xO_y:Eu^{2+}, Dy^{3+}$ nanoparticles. <i>Physica B: Condensed Matter</i> , 2012 , 407, 1561-1565	2.8	9
49	Luminescence from Ce in sol-gel SiO_2 . <i>Physica B: Condensed Matter</i> , 2012 , 407, 1595-1598	2.8	9
48	Synthesis and characterization of $BaAl_2O_4:Eu^{2+}$ co-doped with different rare earth ions. <i>Physica B: Condensed Matter</i> , 2012 , 407, 1603-1606	2.8	34
47	Sensitizing effects of ZnO quantum dots on red-emitting Pr^{3+} -doped SiO_2 phosphor. <i>Physica B: Condensed Matter</i> , 2012 , 407, 1607-1610	2.8	9
46	Investigation of ageing characteristics and identification of surface chemical changes on $SrGa_2S_4:Ce^{3+}$ display phosphor under electron beam bombardment. <i>Physica B: Condensed Matter</i> , 2012 , 407, 1645-1648	2.8	2
45	Surface characterization and luminescent properties of $SrAl_2O_4:Eu^{2+}, Dy^{3+}$ nano thin films. <i>Physica B: Condensed Matter</i> , 2012 , 407, 1660-1663	2.8	12
44	PL and CL degradation and characteristics of $SrAl_2O_4:Eu^{2+}, Dy^{3+}$ phosphors. <i>Physica B: Condensed Matter</i> , 2012 , 407, 1664-1667	2.8	22

43	Phosphorescent and thermoluminescent properties of SrAl ₂ O ₄ :Eu ²⁺ , Dy ³⁺ phosphors prepared by solid state reaction method. <i>Physica B: Condensed Matter</i> , 2012 , 407, 1679-1682	2.8	35
42	Surface state of Y ₃ (Al,Ga) ₅ O ₁₂ :Tb phosphor under electron beam bombardment. <i>Applied Surface Science</i> , 2012 , 258, 6495-6503	6.7	32
41	Low voltage electron induced cathodoluminescence degradation and surface characterization of Sr ₃ (PO ₄) ₂ :Tb phosphor. <i>Applied Surface Science</i> , 2011 , 257, 10147-10155	6.7	30
40	Dependence of Eu ³⁺ luminescence dynamics on the structure of the combustion synthesized Sr ₅ (PO ₄) ₃ F host. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 2544-2551	5.7	28
39	Effects of Ce ³⁺ concentration, beam voltage and current on the cathodoluminescence intensity of SiO ₂ :Pr ³⁺ +Ce ³⁺ nanophosphor. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 2986-2992	5.7	9
38	Luminescent properties and X-ray photoelectron spectroscopy study of ZnAl ₂ O ₄ :Ce ³⁺ ,Tb ³⁺ phosphor. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 10115-10120	5.7	76
37	Investigations on the low voltage cathodoluminescence stability and surface chemical behaviour using Auger and X-ray photoelectron spectroscopy on LiSrBO ₃ :Sm ³⁺ phosphor. <i>Materials Research Bulletin</i> , 2011 , 46, 987-994	5.1	43
36	Luminescence response and CL degradation of combustion synthesized spherical SiO ₂ :Ce nanophosphor. <i>Materials Research Bulletin</i> , 2011 , 46, 2359-2366	5.1	9
35	Luminescence investigations on LiAl ₅ O ₈ :Tb ³⁺ nanocrystalline phosphors. <i>Current Applied Physics</i> , 2011 , 11, 341-345	2.6	32
34	Characterization of luminescent and thermal properties of long afterglow SrAl _x O _y :Eu ²⁺ ,Dy ³⁺ phosphor synthesized by combustion method. <i>Polymer Composites</i> , 2011 , 32, 219-226	3	12
33	Luminescence characterization and electron beam induced chemical changes on the surface of ZnAl ₂ O ₄ :Mn nanocrystalline phosphor. <i>Applied Surface Science</i> , 2011 , 257, 3298-3306	6.7	29
32	The effect of different gas atmospheres on luminescent properties of pulsed laser ablated SrAl ₂ O ₄ :Eu ²⁺ ,Dy ³⁺ thinfilms. <i>Journal of Luminescence</i> , 2011 , 131, 119-125	3.8	20
31	Synthesis and characterization of Ce ³⁺ doped silica (SiO ₂) nanoparticles. <i>Journal of Luminescence</i> , 2011 , 131, 1249-1254	3.8	32
30	Luminescence investigations of Ce ³⁺ doped CaS nanophosphors. <i>Journal of Alloys and Compounds</i> , 2010 , 492, L8-L12	5.7	37
29	Combustion synthesis and luminescence investigation of Na ₃ Al ₂ (PO ₄) ₃ :RE (RE=Ce ³⁺ , Eu ³⁺ and Mn ²⁺) phosphor. <i>Journal of Alloys and Compounds</i> , 2010 , 492, 384-388	5.7	94
28	Luminescent properties of Ca _{0.97} Al ₂ O ₄ :Eu _{0.012} ⁺ ,Dy _{0.023} ⁺ phosphors prepared by combustion method at different initiating temperatures. <i>Journal of Alloys and Compounds</i> , 2010 , 508, 262-265	5.7	24
27	Electron beam induced green luminescence and degradation study of CaS:Ce nanocrystalline phosphors for FED applications. <i>Applied Surface Science</i> , 2010 , 256, 1720-1724	6.7	8
26	Auger electron/X-ray photoelectron and cathodoluminescent spectroscopic studies of pulsed laser ablated SrAl ₂ O ₄ :Eu ²⁺ ,Dy ³⁺ thin films. <i>Applied Surface Science</i> , 2010 , 257, 512-517	6.7	17

25	Photon emission mechanisms of different phosphors. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009 , 267, 2630-2633	1.2	11
24	Characteristic properties of Y ₂ SiO ₅ :Ce thin films grown with PLD. <i>Physica B: Condensed Matter</i> , 2009 , 404, 4431-4435	2.8	5
23	Photoluminescence and phosphorescence properties of MAl ₂ O ₄ :Eu ²⁺ , Dy ³⁺ (M=Ca, Ba, Sr) phosphors prepared at an initiating combustion temperature of 500 °C. <i>Physica B: Condensed Matter</i> , 2009 , 404, 4440-4444	2.8	68
22	Characterization and luminescent properties of SiO ₂ :ZnS:Mn ²⁺ and ZnS:Mn ²⁺ nanophosphors synthesized by a sol-gel method. <i>Physica B: Condensed Matter</i> , 2009 , 404, 4470-4475	2.8	33
21	The effect of Mg ²⁺ ions on the photoluminescence of Ce ³⁺ -doped silica. <i>Physica B: Condensed Matter</i> , 2009 , 404, 4499-4503	2.8	19
20	Structural, luminescent and thermal properties of blue SrAl ₂ O ₄ :Eu ²⁺ , Dy ³⁺ phosphor filled low-density polyethylene composites. <i>Physica B: Condensed Matter</i> , 2009 , 404, 4504-4508	2.8	13
19	Resolution of Eu ²⁺ asymmetrical emission peak of SrAl ₂ O ₄ :Eu ²⁺ , Dy ³⁺ phosphor by cathodoluminescence measurements. <i>Materials Letters</i> , 2008 , 62, 3192-3194	3.3	45
18	Degradation of Y ₂ SiO ₅ :Ce phosphor powders. <i>Journal of Luminescence</i> , 2007 , 126, 37-42	3.8	18
17	Effects of SnO ₂ surface coating on the degradation of ZnS thin film phosphor. <i>Applied Surface Science</i> , 2007 , 253, 8513-8516	6.7	15
16	Characterization of Y ₂ SiO ₅ :Ce thin films. <i>Optical Materials</i> , 2007 , 29, 1338-1343	3.3	16
15	Enhanced luminescence and degradation of SiO ₂ :Ce,Tb powder phosphors prepared by a sol-gel process. <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 1749-1753	3.9	47
14	A comparative study between the simulated and measured cathodoluminescence generated in ZnS:Cu, Al, Au phosphor powder. <i>Journal of Luminescence</i> , 2005 , 113, 191-198	3.8	10
13	Degradation of ZnS:Cu,Al,Au phosphor powder in different gas mixtures. <i>Journal of Luminescence</i> , 2004 , 109, 93-102	3.8	14
12	Extracting inter-diffusion parameters of TiC from AES depth profiles. <i>Applied Surface Science</i> , 2003 , 205, 231-239	6.7	26
11	Effect of a CdO coating on the degradation of a ZnS thin film phosphor material. <i>Applied Surface Science</i> , 2002 , 187, 137-144	6.7	20
10	Low temperature effect on the electron beam induced degradation of ZnS:Cu,Al,Au phosphor powders. <i>Applied Surface Science</i> , 2002 , 193, 77-82	6.7	9
9	Modelling the effect of a thin ZnO layer on the cathodoluminescence generated in ZnS phosphor powders. <i>Thin Solid Films</i> , 2002 , 408, 260-269	2.2	8
8	ZnS thin films grown on Si(100) by XeCl pulsed laser ablation. <i>Applied Surface Science</i> , 2001 , 177, 73-77	6.7	39

7	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	6.7	29
6	The oxidation of industrial FeCrMo steel. <i>Corrosion Science</i> , 2000 , 42, 1725-1740	6.8	61
5	The influence of sulphur segregation on the oxidation of industrial FeCrMo steel. <i>Corrosion Science</i> , 2000 , 42, 991-1004	6.8	11
4	Electron beam-induced degradation of zinc sulfide-based phosphors. <i>Surface Science</i> , 2000 , 451, 174-181	6.8	26
3	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	6.7	47
2	Electron Beam Degradation of Sulfide-Based Thin-Film Phosphors for Field Emission Flat Panel Displays. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 508, 261		5
1	ZnS:Cu,Al,Au phosphor degradation under electron excitation. <i>Applied Surface Science</i> , 1997 , 120, 9-14	6.7	63