

Dr Daruka Prasad B

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321
papers

9,066
citations

50
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74
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330
ext. papers

10,497
ext. citations

4.1
avg, IF

6.42
L-index

#	Paper	IF	Citations
321	Green synthesis of multifunctional zinc oxide (ZnO) nanoparticles using Cassia fistula plant extract and their photodegradative, antioxidant and antibacterial activities. <i>Materials Science in Semiconductor Processing</i> , 2015 , 31, 446-454	4.3	307
320	Green synthesis of CuO nanoparticles using Gloriosa superba L. extract and their antibacterial activityPeer review under responsibility of Taibah UniversityView all notes. <i>Journal of Taibah University for Science</i> , 2015 , 9, 7-12	3	260
319	Structural, optical and EPR studies on ZnO:Cu nanopowders prepared via low temperature solution combustion synthesis. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 5349-5355	5.7	225
318	Artocarpus gomezianus aided green synthesis of ZnO nanoparticles: luminescence, photocatalytic and antioxidant properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 141, 128-34	4.4	131
317	Facile green fabrication of nanostructure ZnO plates, bullets, flower, prismatic tip, closed pine cone: Their antibacterial, antioxidant, photoluminescent and photocatalytic properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 152, 404-16	4.4	126
316	Effect of Calcination Temperature on Structural, Photoluminescence, and Thermoluminescence Properties of Y2O3:Eu3+ Nanophosphor. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 1915-1924	3.8	126
315	Effect of Li+ion on enhancement of photoluminescence in Gd2O3:Eu3+ nanophosphors prepared by combustion technique. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 2368-2374	5.7	121
314	Combustion synthesis, characterization and Raman studies of ZnO nanopowders. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011 , 81, 53-8	4.4	113
313	Tinospora cordifolia mediated facile green synthesis of cupric oxide nanoparticles and their photocatalytic, antioxidant and antibacterial properties. <i>Materials Science in Semiconductor Processing</i> , 2015 , 33, 81-88	4.3	103
312	Biogenic synthesis of zinc oxide nanoparticles using Ruta graveolens (L.) and their antibacterial and antioxidant activities. <i>Applied Nanoscience (Switzerland)</i> , 2016 , 6, 703-710	3.3	102
311	Combustion synthesized tetragonal ZrO2: Eu(3+) nanophosphors: structural and photoluminescence studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 135, 241-51	4.4	100
310	Effective fingerprint recognition technique using doped yttrium aluminate nano phosphor material. <i>Journal of Colloid and Interface Science</i> , 2016 , 464, 206-18	9.3	100
309	Low temperature synthesis and photoluminescence properties of red emitting Mg2SiO4:Eu3+ nanophosphor for near UV light emitting diodes. <i>Sensors and Actuators B: Chemical</i> , 2014 , 195, 140-149	8.5	93
308	Red and green emitting CTAB assisted CdSiO3:Tb3+/Eu3+ nanopowders as fluorescent labeling agents used in forensic and display applications. <i>Dyes and Pigments</i> , 2017 , 147, 364-377	4.6	86
307	Novel and highly efficient red luminescent sensor based SiO2@Y2O3:Eu3+, M+ (M+= Li, Na, K) composite core-shell fluorescent markers for latent fingerprint recognition, security ink and solid state lightning applications. <i>Sensors and Actuators B: Chemical</i> , 2017 , 251, 310-325	8.5	84
306	Superstructures of doped yttrium aluminates for luminescent and advanced forensic investigations. <i>Journal of Alloys and Compounds</i> , 2016 , 686, 577-587	5.7	84
305	Particle size, morphology and color tunable ZnO:Eu3+ nanophosphors via plant latex mediated green combustion synthesis. <i>Journal of Alloys and Compounds</i> , 2014 , 584, 417-424	5.7	80

304	Reactivity of Crystalline ZnO Superstructures against Fungi and Bacterial Pathogens: Synthesized Using Nerium oleander Leaf Extract. <i>Crystal Growth and Design</i> , 2014 , 14, 4068-4079	3.5	79
303	Versatile core-shell SiO ₂ @SrTiO ₃ :Eu ³⁺ , Li ⁺ nanopowders as fluorescent label for the visualization of latent fingerprints and anti-counterfeiting applications. <i>Chemical Engineering Journal</i> , 2017 , 327, 1135-1150	14.7	77
302	Garcinia xanthochymus mediated green synthesis of ZnO nanoparticles: Photoluminescence, photocatalytic and antioxidant activity studies. <i>Ceramics International</i> , 2015 , 41, 8680-8687	5.1	77
301	Enhanced photoluminescence of Gd ₂ O ₃ :Eu ³⁺ nanophosphors with alkali (M=Li ⁺ , Na ⁺ , K ⁺) metal ion co-doping. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 86, 8-14	4.4	75
300	Hollow microspheres Mg-doped ZrO ₂ nanoparticles: Green assisted synthesis and applications in photocatalysis and photoluminescence. <i>Journal of Alloys and Compounds</i> , 2016 , 672, 609-622	5.7	74
299	Leucas aspera mediated multifunctional CeO ₂ nanoparticles: Structural, photoluminescent, photocatalytic and antibacterial properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 149, 452-62	4.4	73
298	Blue light emitting ceramic nano-pigments of Tm ³⁺ doped YAlO ₃ : Applications in latent finger print, anti-counterfeiting and porcelain stoneware. <i>Dyes and Pigments</i> , 2016 , 131, 268-281	4.6	73
297	Photoluminescence, photocatalysis and Judd-Ofelt analysis of Eu ³⁺ -activated layered BiOCl phosphors. <i>RSC Advances</i> , 2015 , 5, 4109-4120	3.7	72
296	Synthesis, structural and luminescence studies of magnesium oxide nanopowder. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 118, 847-51	4.4	71
295	Green, Nonchemical Route for the Synthesis of ZnO Superstructures, Evaluation of Its Applications toward Photocatalysis, Photoluminescence, and Biosensing. <i>Crystal Growth and Design</i> , 2016 , 16, 6828-6840	3.5	69
294	A simple combustion method for the synthesis of multi-functional ZrO ₂ /CuO nanocomposites: Excellent performance as Sunlight photocatalysts and enhanced latent fingerprint detection. <i>Applied Catalysis B: Environmental</i> , 2017 , 210, 97-115	21.8	68
293	Rapid identification of latent fingerprints, security ink and WLED applications of CaZrO ₃ :Eu ³⁺ fluorescent labelling agent fabricated via bio-template assisted combustion route. <i>Journal of Alloys and Compounds</i> , 2018 , 762, 763-779	5.7	68
292	Green mediated synthesis and characterization of ZnO nanoparticles using Euphorbia Jatropa latex as reducing agent. <i>Journal of Science: Advanced Materials and Devices</i> , 2016 , 1, 301-310	4.2	67
291	A single host white light emitting Zn ₂ SiO ₄ :Re ³⁺ (Eu, Dy, Sm) phosphor for LED applications. <i>Optik</i> , 2015 , 126, 1745-1756	2.5	67
290	Effect of zinc substitution on the nanocobalt ferrite powders for nanoelectronic devices. <i>Journal of Alloys and Compounds</i> , 2014 , 587, 50-58	5.7	66
289	Phase transformation of ZrO ₂ :Tb ³⁺ nanophosphor: Color tunable photoluminescence and photocatalytic activities. <i>Journal of Alloys and Compounds</i> , 2015 , 622, 86-96	5.7	65
288	Bio-inspired synthesis of Y ₂ O ₃ :Eu(3+) red nanophosphor for eco-friendly photocatalysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 141, 149-60	4.4	65
287	Ultrasound assisted rare earth doped Wollastonite nanopowders: Labeling agent for imaging eccrine latent fingerprints and cheiloscopia applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 51, 90-105	6.3	64

286	Effect of different fuels on structural, thermo and photoluminescent properties of Gd ₂ O ₃ nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 96, 532-40	4.4	64
285	EGCG assisted green synthesis of ZnO nanopowders: Photodegradative, antimicrobial and antioxidant activities. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 136 Pt C, 1467-74	4.4	63
284	Synthesis of Eu ³⁺ -activated BiOF and BiOBr phosphors: photoluminescence, Judd-Ofelt analysis and photocatalytic properties. <i>RSC Advances</i> , 2015 , 5, 9241-9254	3.7	62
283	CaTiO ₃ :Eu ³⁺ red nanophosphor: low temperature synthesis and photoluminescence properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 120, 395-400	4.4	62
282	Synthesis, characterization and photoluminescence properties of CaSiO ₃ :Eu ³⁺ red phosphor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011 , 78, 64-9	4.4	61
281	Facile EGCG assisted green synthesis of raspberry shaped CdO nanoparticles. <i>Journal of Alloys and Compounds</i> , 2016 , 669, 232-239	5.7	60
280	Dual color emitting Eu doped strontium orthosilicate phosphors synthesized by bio-template assisted ultrasound for solid state lightning and display applications. <i>Ultrasonics Sonochemistry</i> , 2017 , 34, 803-820	8.9	59
279	Facile green fabrication of iron-doped cubic ZrO ₂ nanoparticles by <i>Phyllanthus acidus</i> : Structural, photocatalytic and photoluminescent properties. <i>Journal of Molecular Catalysis A</i> , 2015 , 397, 36-47		58
278	Neodymium doped yttrium aluminate synthesis and optical properties [A blue light emitting nanophosphor and its use in advanced forensic analysis. <i>Dyes and Pigments</i> , 2016 , 134, 227-233	4.6	58
277	Mg ₂ SiO ₄ :Tb ³⁺ nanophosphor: Auto ignition route and near UV excited photoluminescence properties for WLEDs. <i>Journal of Alloys and Compounds</i> , 2014 , 617, 69-75	5.7	56
276	Photoluminescence properties of Eu ³⁺ -activated CaMoO ₄ phosphors for WLEDs applications and its Judd-Ofelt analysis. <i>Journal of Materials Science</i> , 2015 , 50, 287-298	4.3	54
275	MgO:Eu ³⁺ red nanophosphor: low temperature synthesis and photoluminescence properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 121, 46-52	4.4	54
274	Zinc silicates with tunable morphology by surfactant assisted sonochemical route suitable for NUV excitable white light emitting diodes. <i>Ultrasonics Sonochemistry</i> , 2017 , 34, 700-712	8.9	53
273	Synthesis and characterization of spherical and rod like nanocrystalline Nd ₂ O ₃ phosphors. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 1146-1151	5.7	53
272	A benign approach for tailoring the photometric properties and Judd-Ofelt analysis of LaAlO ₃ :Sm ³⁺ nanophosphors for thermal sensor and WLED applications. <i>Sensors and Actuators B: Chemical</i> , 2017 , 243, 1057-1066	8.5	50
271	Euphorbia tirucalli mediated green synthesis of rose like morphology of Gd ₂ O ₃ :Eu ³⁺ red phosphor: Structural, photoluminescence and photocatalytic studies. <i>Journal of Alloys and Compounds</i> , 2015 , 619, 760-770	5.7	50
270	Auto-ignition based synthesis of Y ₂ O ₃ for photo- and thermo-luminescent applications. <i>Journal of Alloys and Compounds</i> , 2014 , 585, 129-137	5.7	50
269	MgO:Dy ³⁺ nanophosphor: Self ignition route, characterization and its photoluminescence properties. <i>Materials Characterization</i> , 2014 , 97, 27-36	3.9	50

268	White light emitting magnesium aluminate nanophosphor: Near ultra violet excited photoluminescence, photometric characteristics and its UV photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2017 , 728, 1124-1138	5.7	50
267	Large-scale controlled bio-inspired fabrication of 3D CeO ₂ :Eu ³⁺ hierarchical structures for evaluation of highly sensitive visualization of latent fingerprints. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 3127-3147	8.5	49
266	Synthesis and photoluminescence properties of a novel Sr ₂ CeO ₄ :Dy ³⁺ nanophosphor with enhanced brightness by Li ⁺ co-doping. <i>RSC Advances</i> , 2014 , 4, 38655-38662	3.7	49
265	Structural, EPR, photo and thermoluminescence properties of ZnO:Fe nanoparticles. <i>Materials Chemistry and Physics</i> , 2012 , 133, 876-883	4.4	49
264	Photoluminescence and Judd-Ofelt analysis of Eu ³⁺ doped LaAlO ₃ nanophosphors for WLEDs. <i>Dyes and Pigments</i> , 2015 , 122, 22-30	4.6	48
263	Vitis labruska skin extract assisted green synthesis of ZnO super structures for multifunctional applications. <i>Ceramics International</i> , 2017 , 43, 11656-11667	5.1	46
262	EGCG assisted Y ₂ O ₃ :Eu ³⁺ nanopowders with 3D micro-architecture assemblies useful for latent finger print recognition and anti-counterfeiting applications. <i>Sensors and Actuators B: Chemical</i> , 2018 , 264, 426-439	8.5	46
261	Tunable white light emissive Mg ₂ SiO ₄ :Dy ³⁺ nanophosphor: Its photoluminescence, Judd-Ofelt and photocatalytic studies. <i>Dyes and Pigments</i> , 2016 , 127, 25-36	4.6	46
260	Eco-friendly green synthesis, structural and photoluminescent studies of CeO ₂ :Eu ³⁺ nanophosphors using E. tirucalli plant latex. <i>Journal of Alloys and Compounds</i> , 2014 , 612, 425-434	5.7	46
259	CdSiO ₃ :Pr ³⁺ nanophosphor: synthesis, characterization and thermoluminescence studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 99, 279-87	4.4	46
258	SiO@LaOF:Eu core-shell functional nanomaterials for sensitive visualization of latent fingerprints and WLED applications. <i>Journal of Colloid and Interface Science</i> , 2018 , 518, 200-215	9.3	45
257	EPR, thermo and photoluminescence properties of ZnO nanopowders. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011 , 81, 59-63	4.4	45
256	Synthesis and luminescence properties of Sm ³⁺ doped CaTiO ₃ nanophosphor for application in white LED under NUV excitation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 128, 891-901	4.4	44
255	Combustion synthesis, structural characterization, thermo and photoluminescence studies of CdSiO ₃ :Dy ³⁺ nanophosphor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 93, 140-8	4.4	44
254	Plant latex mediated green synthesis of ZnAl ₂ O ₄ :Dy ³⁺ (19mol%) nanophosphor for white light generation. <i>Journal of Alloys and Compounds</i> , 2014 , 585, 561-571	5.7	43
253	Green synthesis of Y ₂ O ₃ :Dy(3+) nanophosphor with enhanced photocatalytic activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 149, 687-97	4.4	42
252	Effect of different fuels on structural, photo and thermo luminescence properties of solution combustion prepared Y(2)SiO(5) nanopowders. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 127, 177-84	4.4	42
251	Synthesis, structural characterization of nano ZnTiO ₃ ceramic: An effective azo dye adsorbent and antibacterial agentPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. <i>Journal of Asian Ceramic Societies</i> , 2014 , 2, 357-365	2.4	42

250	Comparison of structural and luminescence properties of Dy ₂ O ₃ nanopowders synthesized by co-precipitation and green combustion routes. <i>Materials Research Bulletin</i> , 2014 , 55, 237-245	5.1	42
249	Mimosa pudica mediated praseodymium substituted calcium silicate nanostructures for white LED application. <i>Journal of Alloys and Compounds</i> , 2017 , 690, 730-740	5.7	42
248	Facile LaOF: Sm ³⁺ based labeling agent and their applications in residue chemistry of latent fingerprint and cheiloscropy under UV-visible light. <i>Arabian Journal of Chemistry</i> , 2018 , 11, 460-482	5.9	41
247	Structural, photo and thermoluminescence studies of Eu ³⁺ doped orthorhombic YAlO ₃ nanophosphors. <i>Journal of Alloys and Compounds</i> , 2014 , 601, 75-84	5.7	41
246	Enhanced luminescence by monovalent alkali metal ions in Sr ₂ SiO ₄ :Eu ³⁺ nanophosphor prepared by low temperature solution combustion method. <i>Journal of Alloys and Compounds</i> , 2014 , 595, 192-199	5.7	41
245	Facile combustion synthesis of ZnO nanoparticles using <i>Cajanus cajan</i> (L.) and its multidisciplinary applications. <i>Materials Research Bulletin</i> , 2014 , 57, 325-334	5.1	41
244	Spherical and rod-like Gd ₂ O ₃ :Eu ³⁺ nanophosphors Structural and luminescent properties. <i>Bulletin of Materials Science</i> , 2012 , 35, 519-527	1.7	40
243	Hydrothermal synthesis, characterization and Raman studies of Eu ³⁺ activated Gd ₂ O ₃ nanorods. <i>Physica B: Condensed Matter</i> , 2011 , 406, 1639-1644	2.8	40
242	Zn ₂ TiO ₄ :Eu(3+) nanophosphor: self explosive route and its near UV excited photoluminescence properties for WLEDs. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 138, 857-65	4.4	39
241	Structural, photoluminescence and thermoluminescence properties of CeO ₂ nanoparticles. <i>Optik</i> , 2016 , 127, 855-861	2.5	39
240	Thermoluminescence response in gamma and UV irradiated Dy ₂ O ₃ nanophosphor. <i>Journal of Luminescence</i> , 2012 , 132, 1798-1806	3.8	39
239	Investigation of structural and luminescence properties of Ho(3+) doped YAlO ₃ nanophosphors synthesized through solution combustion route. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 115, 234-43	4.4	39
238	Bio-inspired route for the synthesis of spherical shaped MgO:Fe(3+) nanoparticles: Structural, photoluminescence and photocatalytic investigation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 149, 703-13	4.4	39
237	Fruit juice extract mediated synthesis of CeO ₂ nanoparticles for antibacterial and photocatalytic activities. <i>European Physical Journal Plus</i> , 2016 , 131, 1	3.1	39
236	Sonochemically assisted hollow/solid BaTiO ₃ :Dy ³⁺ microspheres and their applications in effective detection of latent fingerprints and lip prints. <i>Journal of Science: Advanced Materials and Devices</i> , 2017 , 2, 22-33	4.2	38
235	Bio-mediated route for the synthesis of shape tunable Y ₂ O ₃ :Tb ³⁺ nanoparticles: Photoluminescence and antibacterial properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 151, 131-40	4.4	38
234	YAlO ₃ :Cr ³⁺ nanophosphor: synthesis, photoluminescence, EPR, dosimetric studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 96, 154-62	4.4	38
233	Synthesis, characterization, EPR, photo and thermoluminescence properties of YAlO ₃ :Ni ²⁺ nanophosphors. <i>Journal of Luminescence</i> , 2013 , 135, 105-112	3.8	38

232	A single phase, red emissive Mg ₂ SiO ₄ :Sm ³⁺ nanophosphor prepared via rapid propellant combustion route. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 140, 516-523	4.4	38
231	Structural and magnetic studies of Mg(1-x)Zn _x Fe ₂ O ₄ nanoparticles prepared by a solution combustion method. <i>Journal of Alloys and Compounds</i> , 2013 , 578, 103-109	5.7	38
230	Electron paramagnetic resonance, magnetic and electrical properties of CoFe ₂ O ₄ nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 339, 40-45	2.8	38
229	Rapid visualization of latent fingerprints using novel CaSiO ₃ :Sm ³⁺ nanophosphors fabricated via ultrasound route. <i>Journal of Rare Earths</i> , 2019 , 37, 32-44	3.7	38
228	Pivotal role of fluxes in BaTiO ₃ :Eu ³⁺ nano probes for visualization of latent fingerprints on multifaceted substrates and anti-counterfeiting applications. <i>Microchemical Journal</i> , 2019 , 145, 226-234	4.8	38
227	Calotropis procera mediated combustion synthesis of ZnAl ₂ O ₄ :Cr(3+) nanophosphors: structural and luminescence studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 136 Pt B, 1027-37	4.4	37
226	Low temperature synthesis of pure cubic ZrO ₂ nanopowder: structural and luminescence studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 122, 216-22	4.4	37
225	Synthesis of Eu ³⁺ -activated ZnO superstructures: Photoluminescence, Judd-Ofelt analysis and Sunlight photocatalytic properties. <i>Journal of Molecular Catalysis A</i> , 2015 , 409, 26-41		36
224	Role of Cu ²⁺ ions substitution in magnetic and conductivity behavior of nano-CoFe ₂ O ₄ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 132, 256-62	4.4	36
223	Surfactant-Assisted BaTiO ₃ :Eu ³⁺ @SiO ₂ Core-Shell Superstructures Obtained by Ultrasonication Method: Dormant Fingerprint Visualization and Red Component of White Light-Emitting Diode Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 5214-5226	8.3	34
222	Red-emitting LaOF:Eu ³⁺ phosphors: Synthesis, structure and their Judd-Ofelt analysis for LED applications. <i>Materials Research Bulletin</i> , 2016 , 75, 100-109	5.1	34
221	Structural, EPR, optical and magnetic properties of Fe ³⁺ nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 104, 512-8	4.4	33
220	Luminescent characteristics of Eu ³⁺ doped di-calcium silicate nano-powders for white LEDs. <i>Journal of Alloys and Compounds</i> , 2013 , 575, 434-443	5.7	33
219	Role of flux on morphology and luminescence properties of Sm(3+) doped Y ₂ SiO ₅ nanopowders for WLEDs. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 136 Pt B, 356-65	4.4	32
218	Bio-mediated Sm doped nano cubic zirconia: Photoluminescent, Judd-Ofelt analysis, electrochemical impedance spectroscopy and photocatalytic performance. <i>Journal of Alloys and Compounds</i> , 2016 , 685, 761-773	5.7	32
217	Green engineered nano MgO and ZnO doped with Sm ³⁺ : Synthesis and a comparison study on their characterization, PC activity and electrochemical properties. <i>Journal of Physics and Chemistry of Solids</i> , 2019 , 127, 127-139	3.9	32
216	Facile combustion synthesized orthorhombic GdAlO ₃ :Eu ³⁺ nanophosphors: Structural and photoluminescence properties for WLEDs. <i>Journal of Luminescence</i> , 2015 , 163, 47-54	3.8	31
215	Tapioca starch: An efficient fuel in gel-combustion synthesis of photocatalytically and anti-microbially active ZnO nanoparticles. <i>Materials Characterization</i> , 2015 , 99, 266-276	3.9	31

214	Synthesis of multicolor emitting Sr ₂ SrSmxCeO ₄ nanophosphor with compositionally tuneable photo and thermoluminescence. <i>Chemical Engineering Journal</i> , 2014 , 253, 155-164	14.7	31
213	Novel EGCG assisted ultrasound synthesis of self-assembled Ca ₂ SiO ₄ :Eu(3+) hierarchical superstructures: Photometric characteristics and LED applications. <i>Ultrasonics Sonochemistry</i> , 2016 , 33, 226-239	8.9	31
212	Caralluma fimbriata extract induced green synthesis, structural, optical and photocatalytic properties of ZnO nanostructure modified with Gd. <i>Journal of Alloys and Compounds</i> , 2016 , 685, 656-669	5.7	31
211	White light emission and energy transfer (Dy ³⁺ -Eu ³⁺) in combustion synthesized YSO: Dy ³⁺ , Eu ³⁺ nanophosphors. <i>Optik</i> , 2016 , 127, 2939-2945	2.5	30
210	Spectroscopic properties of red emitting Eu ³⁺ doped Y ₂ SiO ₅ nanophosphors for WLEDs on the basis of Judd-Ofelt analysis: Calotropis gigantea latex mediated synthesis. <i>Journal of Luminescence</i> , 2017 , 181, 153-163	3.8	30
209	Effect of fuel on auto ignition route, photoluminescence and photometric studies of tunable red emitting Mg ₂ SiO ₄ :Cr ³⁺ nanophosphors for solid state lighting applications. <i>Journal of Alloys and Compounds</i> , 2016 , 682, 815-824	5.7	30
208	Multifunctional Dy (III) doped di-calcium silicate array for boosting display and forensic applications. <i>Journal of Rare Earths</i> , 2018 , 36, 690-702	3.7	29
207	Synthesis, characterization, EPR and thermoluminescence properties of CaTiO ₃ nanophosphor. <i>Materials Research Bulletin</i> , 2013 , 48, 1490-1498	5.1	29
206	Beta vulgaris aided green synthesis of ZnO nanoparticles and their luminescence, photocatalytic and antioxidant properties. <i>European Physical Journal Plus</i> , 2015 , 130, 1	3.1	28
205	Green synthesis, structural characterization and photoluminescence properties of Sm ³⁺ co-doped Y ₂ SiO ₅ :Ce ³⁺ nanophosphors for wLEDs. <i>Optik</i> , 2016 , 127, 5310-5315	2.5	28
204	Structural, morphological and photometric properties of sonochemically synthesized Eu ³⁺ doped Y ₂ O ₃ nanophosphor for optoelectronic devices. <i>Materials Research Bulletin</i> , 2017 , 94, 442-455	5.1	27
203	Luminescence properties of MgO: Fe ³⁺ nanopowders for WLEDs under NUV excitation prepared via propellant combustion routePeer review under responsibility of The Egyptian Society of Radiation Sciences and Applications.View all notes. <i>Journal of Radiation Research and Applied</i> , 2017 , 3, 262-270	1.5	27
202	Orange red emitting Eu ³⁺ doped zinc oxide nanophosphor material prepared using Guizotia abyssinica seed extract: Structural and photoluminescence studies. <i>Journal of Luminescence</i> , 2015 , 167, 91-100	3.8	27
201	Thermo, lono and photoluminescence properties of 100 MeV Si ⁷⁺ ions bombarded CaSiO ₃ :Eu ³⁺ nanophosphor. <i>Journal of Luminescence</i> , 2012 , 132, 2065-2071	3.8	27
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23	Electrical Properties of Nano Zinc Ferrites Prepared by Solution Combustion and Hydrothermal Methods. <i>Materials Science Forum</i> , 2012 , 710, 721-726	0.4	1
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