

S J Dhoble

List of Publications by Year in descending order

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571
papers

9,735
citations

81434

41
h-index

116156

66
g-index

574
all docs

574
docs citations

574
times ranked

6200
citing authors

#	ARTICLE	IF	CITATIONS
1	E-waste recycling practices: a review on environmental concerns, remediation and technological developments with a focus on printed circuit boards. <i>Environment, Development and Sustainability</i> , 2022, 24, 8965-9047.	2.7	13
2	Structural and photoluminescence properties of Dy ³⁺ activated NaCaPO ₄ phosphor derived from solution combustion. <i>Luminescence</i> , 2022, 37, 141-152.	1.5	8
3	Persistent phosphors for luminous paints: A review. <i>Luminescence</i> , 2022, 37, 524-542.	1.5	8
4	Study on luminescence properties of Ce ³⁺ and Eu ³⁺ ions in a nanocrystalline hexagonal Zn ₄ Al ₂₂ O ₃₇ novel system. <i>Luminescence</i> , 2022, , .	1.5	2
5	Novel red colour emitting Ca _{0.995} Mg ₂ (SO ₄) ₃ :0.5Eu ²⁺ phosphor under ultraviolet, blue, and green excitation for plant growth LEDs. <i>Luminescence</i> , 2022, 37, 463-471.	1.5	4
6	Recent development of aluminate materials for solid state lighting. <i>Progress in Solid State Chemistry</i> , 2022, 66, 100347.	3.9	9
7	Energy transfer mechanism in K ₂ Ba(PO ₄)F:Dy ³⁺ , Eu ³⁺ co-activated phosphor: Spectral tuning phosphor for photovoltaic efficiency enhancement. <i>Journal of Molecular Structure</i> , 2022, 1257, 132603.	1.8	14
8	Color-tunable luminescence, energy transfer behavior and λ_{exc} characteristics of Dy ³⁺ ,Eu ³⁺ co-doped La(PO ₄) ₃ phosphors for WLEDs and solar applications. <i>New Journal of Chemistry</i> , 2022, 46, 6230-6243.	1.4	15
9	Tunable luminescence from Eu ³⁺ and Ce ³⁺ doped/co-doped color tunable Na ₄ Ca(PO ₃) ₆ phosphors for white LEDs and solar cell applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 11106-11123.	1.1	6
10	Evaluation of kV-CBCT based 3D dose calculation accuracy and its validation using delivery fluence derived dose metrics in Head and Neck Cancer. <i>Physica Medica</i> , 2022, 96, 32-45.	0.4	2
11	Energy transfer Process in Rare Earth (Ce ³⁺ , Dy ³⁺ , Sm ³⁺) Doped Nanocrystalline Phosphate phosphor. <i>Luminescence</i> , 2022, , .	1.5	0
12	Role of carbon ion beam radiotherapy for cancer treatment. , 2022, , 193-204.		0
13	Efficient white light-emitting Mg ₂₁ Ca ₄ Na ₄ (PO ₄) ₁₈ : Dy ³⁺ , Tb ³⁺ , Eu ³⁺ triple-doped glasses: a multipurpose glasses for WLEDs, solar cell efficiency enhancement, and smart windows applications. <i>Materials Today Chemistry</i> , 2022, 24, 100938.	1.7	8
14	Improvement of self-activated luminescence properties of Ca ₂ KZn ₂ (VO ₄) ₃ down-conversion materials by SSR method based on co-doped Eu ³⁺ ,Dy ³⁺ rare earth ions concentrations. <i>Journal of Molecular Structure</i> , 2022, 1264, 133250.	1.8	5
15	Luminescence investigation of Sm ³⁺ activated CaAl ₂ (SiO ₄) ₂ Cl ₂ chlorapatite phosphor for solid state lighting applications. <i>Chemical Data Collections</i> , 2022, 40, 100881.	1.1	4
16	Synthesis and luminescence properties of Bi ³⁺ activated Ba ₃ WO ₅ Cl ₂ phosphors for plant cultivation applications. <i>Chemical Data Collections</i> , 2022, 40, 100891.	1.1	5
17	Introduction to luminescence and radiation dosimetry techniques. , 2022, , 1-27.		0
18	Rare-earth-activated phosphors for TL dosimetry applications. , 2022, , 273-290.		0

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19	Rare-earth-activated phosphors for energy-efficient solar cell. , 2022, , 347-364.		1
20	Ions beam dosimetry: an emerging field for thermoluminescence dosimetry. , 2022, , 403-431.		0
21	Nanophosphors for radiation dosimetry. , 2022, , 251-277.		1
22	A scrutiny of phosphors for TL radiation dosimetry. , 2022, , 45-70.		1
23	Rare-earth-activated phosphors for TL dosimetry applications. , 2022, , 247-264.		0
24	New challenges in radiation dosimetry and possible materials. , 2022, , 509-524.		1
25	Principle, mechanism, and models of radiation dosimetry. , 2022, , 27-45.		1
26	Thermoluminescence radiation dosimetry in sulfate-based phosphors. , 2022, , 277-299.		1
27	Low Zeff phosphors for radiation dosimetry. , 2022, , 189-210.		0
28	Color-tunable luminescence by energy transfer mechanism in RE (RE = Eu^{2+} , Tb^{3+}) doped $\text{Na}_2\text{SrPO}_4\text{F}$ phosphors. Journal of Materials Science: Materials in Electronics, 2022, 33, 15333-15345.	1.1	6
29	Luminescence study of Sm^{3+} , Eu^{3+} doped $\text{Y}_2\text{Zr}_2\text{O}_7$ host: optical investigation of greenish yellow to red colour tunable pyrochlore phosphor. Luminescence, 2022, 37, 1352-1360.	1.5	9
30	Synthesis and Luminescence Characterization of Downconversion and Downshifting Phosphor for Efficiency Enhancement of Solar Cells: Perspectives and Challenges. ACS Applied Electronic Materials, 2022, 4, 3354-3391.	2.0	9
31	Photoluminescence and thermoluminescence in Dy^{3+} , Ce^{3+} , and Tb^{3+} activated MgB_4O_7 phosphor for dosimetry application. Luminescence, 2022, 37, 1563-1574.	1.5	3
32	Thermoluminescence dosimetry properties and kinetic analysis of $\text{K}_3\text{Ca}_2(\text{SO}_4)_3\text{F:Dy}^{3+}$ phosphor. Luminescence, 2021, 36, 1869-1877.	1.5	2
33	Synthesis and mechanoluminescence study of $\text{Li}_6\text{Y}(\text{BO}_3)_3\text{Dy}^{3+}/\text{Eu}^{3+}$ phosphor. Luminescence, 2021, 36, 1851-1861.	1.5	3
34	Upconversion process in $\text{BaY}_2\text{F}_8\text{:Yb}^{3+},\text{Ho}^{3+}$ phosphor for optical thermometry. Luminescence, 2021, 36, 1847-1850.	1.5	8
35	Thermoluminescence study of $\text{CaNa}_2(\text{SO}_4)_2$ phosphor doped with Eu^{3+} and synthesized by combustion method. Luminescence, 2021, 36, 1862-1868.	1.5	4
36	Synthesis and luminescence characterization of Eu^{3+} doped $\text{Ca}_7\text{Mg}_2(\text{PO}_4)_6$ phosphor for eco-friendly white light emitting diodes and thermoluminescence dosimetric applications. Luminescence, 2021, 36, 1837-1846.	1.5	24

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37	Photoluminescence and thermoluminescence characteristics of CaAl ₂ Si ₄ O ₁₂ :Dy ³⁺ new phosphor prepared by combustion synthesis. Journal of Molecular Structure, 2021, 1227, 129417.	1.8	11
38	Enhancement of blue emission in Ce ³⁺ , Eu ²⁺ activated BaSiF ₆ downconversion phosphor by energy transfer mechanism: A photochromic phosphor. Journal of Luminescence, 2021, 229, 117676.	1.5	41
39	Thermoluminescence study and evaluation of trapping parameters CaTiO ₃ : RE (RE=Eu ³⁺ , Dy ³⁺) phosphor for TLD applications. Journal of Molecular Structure, 2021, 1225, 129129.	1.8	43
40	Short review on recent progress in Mn ⁴⁺ activated oxide phosphors for indoor plant light emitting diodes. Luminescence, 2021, 36, 560-575.	1.5	21
41	Investigation of thermoluminescence response and trapping parameters of natural barite samples from Dongargaon mine, India. Luminescence, 2021, 36, 460-471.	1.5	4
42	Review on the synthesis, structural and photo-physical properties of Gd ₂ O ₃ phosphors for various luminescent applications. Optics and Laser Technology, 2021, 135, 106663.	2.2	39
43	Thermoluminescence study of sodium aluminosilicate phosphors. Journal of Molecular Structure, 2021, 1225, 129135.	1.8	7
44	Enhanced photoluminescence in RE (Eu ³⁺ , Ce ³⁺ and Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (Sm ³⁺) triple ionized mineral doping: a comparative study. Luminescence, 2021, 36, 606-620.	1.5	15
45	Photoluminescence studies and synthesis of BaSO ₃ Cl ₂ :Ce ³⁺ blue emitting lamp phosphor. Luminescence, 2021, 36, 1335-1340.	1.5	1
46	Role of rare-earth ions for energy-saving LED lighting devices. , 2021, , 407-444.		3
47	Luminescence Properties of Rare Earth "Doped Cubic Double Perovskite Tungstate Ba ₂ (1 [~] X [~] Z) (Na,RE) ZnWO ₆ (RE= Ce ³⁺) Tj ETQq1 1 0.7843 2000442.		8
48	Eu(III)-Doped tri-calcium Ca ₃ (1 [~] X [~] Z)M ₂ (PO ₄) ₂ AX host array: optical investigations of down-conversion red phosphor for boosting display intensity and high color purity. New Journal of Chemistry, 2021, 45, 7285-7307.	1.4	25
49	Wet chemically synthesized Na ₃ Ca ₂ (SO ₄) ₃ Cl:RE ³⁺ (RE= Ce, Dy, Eu) phosphors for solid-state lighting. Radiation Effects and Defects in Solids, 2021, 176, 493-507.	0.4	9
50	Synthesis and luminescence study of silicate-based phosphors for energy-saving light-emitting diodes. , 2021, , 445-480.		8
51	Eu ²⁺ -doped microporous aluminosilicate Ca-chabazite Ca _{1.9} Al _{3.8} Si ₈ .2024 phosphor: synthesis and characterization of potential blue phosphor for NUV wLED. Journal of Materials Science: Materials in Electronics, 2021, 32, 6984-6991.	1.1	2
52	Study of thermoluminescence properties of Li ₂ B ₄ O ₇ :Cu irradiated to 50 MeV Li ³⁺ ion beam. Journal of Materials Science: Materials in Electronics, 2021, 32, 11210-11219.	1.1	4
53	Solid state diffusion and amalgamating anionic exchange at a KNaSO ₄ phosphors activated with Eu ³⁺ , Dy ³⁺ and Sm ³⁺ rare earth ions to enhance wLED performance. Luminescence, 2021, 36, 1159-1171.	1.5	6
54	Response of TLD ₆₀₀ /TLD ₇₀₀ and CR ₃₉ to neutrons for medical dosimetry. Luminescence, 2021, 36, 1257-1264.	1.5	4

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55	Recent development of Eu ³⁺ -doped phosphor for white LED application: A review. Journal of Physics: Conference Series, 2021, 1913, 012029.	0.3	17
56	A review on morphological studies of phosphors by combustion route synthesis: The role of fuels. Journal of Physics: Conference Series, 2021, 1913, 012026.	0.3	3
57	Critical review on lanthanide activated LED phosphors. Journal of Physics: Conference Series, 2021, 1913, 012030.	0.3	3
58	Recent progress in phosphate based luminescent materials: A case study. Journal of Physics: Conference Series, 2021, 1913, 012024.	0.3	2
59	Current progress and comparative study of performance of the energy saving lighting devices: a review. Journal of Physics: Conference Series, 2021, 1913, 012018.	0.3	2
60	Inorganic thermoluminescent phosphors in radiation dosimetry: An overview. Journal of Physics: Conference Series, 2021, 1913, 012023.	0.3	0
61	Rare Earth (RE) doped color tunable phosphors for white light emitting diodes. Journal of Physics: Conference Series, 2021, 1913, 012017.	0.3	15
62	Synthesis and photoluminescence properties of novel red-emitting KMg ₄ (PO ₄) ₃ : Eu ³⁺ phosphors for UV-excited white-light emitting diodes. Journal of Physics: Conference Series, 2021, 1913, 012032.	0.3	2
63	Bio-waste lemon peel derived carbon based electrode in perspective of supercapacitor. Journal of Materials Science: Materials in Electronics, 2021, 32, 14057-14071.	1.1	21
64	Combustion assisted spectroscopic investigation of Dy ³⁺ activated SrYAl ₃ O ₇ phosphor for LED and TLD applications. Journal of Molecular Structure, 2021, 1233, 130150.	1.8	27
65	A review: X-ray excited luminescence of gadolinium based optoelectronic phosphors. Luminescence, 2021, 36, 1344-1353.	1.5	4
66	Optical properties of rare earth-activated Ca ₃ (PO ₄) ₂ :RE (RE = Eu ³⁺ and Dy ³⁺) phosphors prepared by wet chemical synthesis. Bulletin of Materials Science, 2021, 44, 1.	0.8	19
67	Tailoring of thermoluminescent properties and assessment of trapping parameters of natural fluorite samples from Dogargaon fluorite mines, India. Luminescence, 2021, 36, 1648-1657.	1.5	2
68	Study of trapping parameters of MgB ₄ O ₇ : Dy exposed to 75 MeV O ⁶⁺ ion beam. Journal of Materials Science: Materials in Electronics, 2021, 32, 22527-22534.	1.1	1
69	Study of thermoluminescence and trapping parameter evaluation of K ₃ Ca ₂ (SO ₄) ₃ F: Mn ²⁺ phosphor in perspective of TLD application. Radiation Effects and Defects in Solids, 2021, 176, 817-832.	0.4	2
70	Thermoluminescence properties and evaluation of trapping parameters of Eu ³⁺ and Dy ³⁺ activated K ₃ Ca ₂ (SO ₄) ₃ Cl phosphors. Radiation Effects and Defects in Solids, 2021, 176, 845-859.	0.4	2
71	Green Synthesis of Nanomaterials Using Plant Extract: A Review. Current Pharmaceutical Biotechnology, 2021, 22, 1794-1811.	0.9	6
72	VUV and UV photoluminescence of green emitting Sr ₂ P ₂ O ₇ :Tb ³⁺ phosphors for PDP applications. Optik, 2021, 243, 167396.	1.4	13

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73	Proposing a novel graphical method to determine effective bremsstrahlung focal spot size and shape of the therapeutic beam from a linear accelerator in radiation therapy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1012, 165625.	0.7	1
74	Investigation of UV and VUV excited photoluminescence features of green-emitting YPO ₄ doped with Tb ³⁺ phosphors. Optik, 2021, 243, 167437.	1.4	10
75	Photoluminescence and electron-vibrational interaction in 5d state of Eu ²⁺ ion in Ca ₃ Al ₂ O ₆ down-conversion phosphor. Optics and Laser Technology, 2021, 142, 107191.	2.2	18
76	Luminescence studies of green emitting CaLa ₄ Si ₃ O ₁₃ :Tb ³⁺ phosphor for WLED and PDP applications. Optik, 2021, 243, 167327.	1.4	11
77	Structural, photoluminescence and Judd-Ofelt analysis of red-emitting Eu ³⁺ doped strontium hexa-aluminate nanophosphors for lighting application. Optical Materials, 2021, 121, 111542.	1.7	33
78	Energy transfer mechanism of KAlF ₄ :Dy ³⁺ , Eu ³⁺ co-activated down-conversion phosphor as spectral converters: An approach towards improving photovoltaic efficiency by downshifting layer. Journal of Alloys and Compounds, 2021, 884, 161138.	2.8	35
79	Wet chemically prepared terbium activated sodium calcium chlorosulfate phosphor for solid state lighting industry. Radiation Effects and Defects in Solids, 2021, 176, 431-440.	0.4	5
80	Eu(ⁱⁱⁱ), Tb(ⁱⁱⁱ) activated/co-activated K ₂ NaAlF ₆ host array: simultaneous approach for improving photovoltaic efficiency and tricolour emission. New Journal of Chemistry, 2021, 46, 334-344.	1.4	18
81	Effect of singly, doubly and triply ionized ions on downconversion photoluminescence in Eu ³⁺ doped Na ₂ Sr ₂ Al ₂ PO ₄ Cl ₉ phosphor: A comparative study. Ceramics International, 2020, 46, 3264-3274.	2.3	49
82	Tunable lanthanide/transition metal ion doped novel phosphors for possible application in w LEDs: a review. Luminescence, 2020, 35, 4-33.	1.5	43
83	Tunable luminescence of Eu ³⁺ , Sm ³⁺ and Dy ³⁺ doped Na ₂ CaMg(PO ₄) ₂ phosphor for optical applications. Journal of Molecular Structure, 2020, 1199, 126969.	1.8	21
84	Thermoluminescence study of Eu ³⁺ doped Na ₂ Sr ₂ Al ₂ PO ₄ Cl ₉ phosphor via doping of singly, doubly and triply ionized ions. Ceramics International, 2020, 46, 132-155.	2.3	35
85	Study of thermoluminescence in turtle shell fossils using radiation dosimetry. Luminescence, 2020, 35, 332-340.	1.5	3
86	Synergistic effect from the dual oxidation states of europium in the color-tuning of Ca ₃ Mg ₃ (PO ₄) ₄ :Eu ²⁺ , Eu ³⁺ thermometric phosphor. Materials Research Bulletin, 2020, 122, 110644.	2.7	22
87	Intense green, red emitting Tb ³⁺ , Tb ³⁺ /Bi ³⁺ doped and Sm ³⁺ , Sm ³⁺ /La ³⁺ doped Ca ₂ Al ₂ SiO ₇ phosphors. Luminescence, 2020, 35, 594-600.	1.5	5
88	Carbon Quantum Dots/Polyaniline Nanocomposite (S-CQD/PANI) for High Capacitive Asymmetric Supercapacitor Device. Journal of Nanoscience and Nanotechnology, 2020, 20, 3785-3794.	0.9	13
89	Synthesis and photoluminescence study of Ce ³⁺ ion-activated Na ₂ ZnP ₂ O ₇ and Na ₄ P ₂ O ₇ pyrophosphate phosphors. Journal of Materials Science: Materials in Electronics, 2020, 31, 548-559.	1.1	11
90	Synthesis and photoluminescence properties of Eu ³⁺ activated Ba ₂ Mg(PO ₄) ₂ phosphor. Luminescence, 2020, 35, 618-621.	1.5	15

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91	Enhanced photoluminescence via doping of phosphate, sulphate and vanadate ions in Eu ³⁺ doped La ₂ (MoO ₄) ₃ downconversion phosphors for white LEDs. Optics and Laser Technology, 2020, 124, 105974.	2.2	36
92	A review on the advancements in phosphor-converted light emitting diodes (pc-LEDs): Phosphor synthesis, device fabrication and characterization. Progress in Materials Science, 2020, 109, 100622.	16.0	373
93	Preparation of porous agro-waste-derived carbon from onion peel for supercapacitor application. Journal of Materials Science, 2020, 55, 4213-4224.	1.7	66
94	Combustion synthesis and spectroscopic investigation of CaNa ₂ (SO ₄) ₂ :Eu ³⁺ phosphor. Journal of Molecular Structure, 2020, 1221, 128838.	1.8	16
95	Photoluminescence and Energy Transfer Study of Sr ₃ Y _{0.96} (BO ₃) ₃ :0.02Ce ³⁺ +0.02Mn ²⁺ Phosphor for WLED Application. Macromolecular Symposia, 2020, 393, 2000011.	0.4	0
96	A review on recent progress in rare earth and transition metals activated SrY ₂ O ₄ phosphors. Journal of Materials Science: Materials in Electronics, 2020, 31, 13011-13027.	1.1	10
97	Indirect evaluation of pretreatment imaging protocols and their clinical impact on patient dose delivery in radiotherapy. Journal of Radiation Oncology, 2020, 9, 211-223.	0.7	0
98	Synthesis and Characterization of Nanocrystalline Ca ₂ Cu ₂ Fe _(12-x) Al _x O ₂₂ Y-Type Hexaferrites by the Sol-Gel Combustion Method. Integrated Ferroelectrics, 2020, 212, 25-30.	0.3	0
99	Facile synthesis and thermoluminescence properties of nano bio-ceramic ¹²⁵ I-Ca ₂ P ₂ O ₇ :Dy phosphor irradiated with 75ÅmeV C ₆₊ ion beam. Scientific Reports, 2020, 10, 21203.	1.6	10
100	Photoluminescence Analytical Study of Ce ³⁺ Activated Blue-Emitting SrAl ₁₂ O ₁₉ Lamp Phosphors. Macromolecular Symposia, 2020, 393, 2000099.	0.4	1
101	Investigations on optical properties of Eu _{0.5} Sm _{0.5} (TTA) ₃ tpo hybrid organic complexes molecularly doped in PMMA and PS matrices. Luminescence, 2020, 36, 1878-1884.	1.5	5
102	Combustion Synthesis and Photoluminescence Studies of Blue-Emitting CaAl ₁₂ O ₁₉ :Ce ³⁺ Lamp Phosphors. Macromolecular Symposia, 2020, 393, 2000100.	0.4	3
103	Comparison of the thermoluminescence properties of NaCaPO ₄ :Dy ³⁺ phosphors irradiated by 75ÅmeV C ₆₊ ion and ¹³⁷ I-rays. Journal of Luminescence, 2020, 224, 117274.	1.5	11
104	Structural and luminescence properties of thermally stable cool-white light emitting NaCaPO ₄ :Dy ³⁺ phosphor. Optik, 2020, 219, 165026.	1.4	19
105	Thermoluminescence study in fossils of dinosaur bones and eggshells. Luminescence, 2020, 35, 1304-1318.	1.5	2
106	Synthesis and luminescence properties of RE ³⁺ (re ³⁺ =Eu ³⁺ , Dy ³⁺) activated CaSr ₂ (PO ₄) ₂ phosphors for lighting and dosimetric applications. Materials Research Bulletin, 2020, 131, 110971.	2.7	39
107	Synthesis of novel Eu ²⁺ activated K ₃ Ca ₂ (SO ₄) ₃ F down-conversion phosphor for near UV excited white light emitting diode. Journal of Molecular Structure, 2020, 1212, 127957.	1.8	32
108	Luminescence characteristics of O ₆₊ ion beam and ¹³⁷ I-ray irradiated Ca ₉ La(PO ₄) ₅ (SiO ₄) ₂ :Eu phosphor. Radiation Effects and Defects in Solids, 2020, 175, 407-421.	0.4	11

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109	Thermoluminescence study and evaluation of trapping parameter of rare earth activated Ca ₃ Al ₂ O ₆ : RE (RE= Eu ²⁺ ,Ce ³⁺) phosphors. Journal of Molecular Structure, 2020, 1211, 127993.	1.8	27
110	Luminescence characterization of Eu ³⁺ activated KMgPO ₄ phosphor for solid state lighting. Materials Today: Proceedings, 2020, 29, 876-879.	0.9	7
111	Luminescence characterization of K ₂ BaPO ₄ :RE (RE =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662 Td (Sm ³⁺)	1.5	26
112	Synthesis and study of Co doped Ni-Cd ferro-spinels by microwave assisted sol-gel auto-combustion method. Ferroelectrics, 2020, 555, 146-160.	0.3	5
113	Tailoring the luminescent properties of Ca ₉ La(PO ₄) ₅ (SiO ₄) ₂ :1Åmol%Eu ³⁺ phosphor via doping of chloride, molybdate, vanadate, sulfate, and tungstate ions. Journal of Materials Science: Materials in Electronics, 2020, 31, 3426-3440.	1.1	19
114	Eu ³⁺ and Dy ³⁺ -activated LaAlO ₃ phosphor for solid-state lighting. Journal of Materials Science: Materials in Electronics, 2020, 31, 6506-6509.	1.1	17
115	Synthesis and luminescence study of Eu ³⁺ -doped Sr ₃ YAl ₃ O ₇ phosphor. Luminescence, 2019, 34, 846-853.	1.5	36
116	Near UV excited multi-color photoluminescence in RE ³⁺ (RE=Tb, Sm, Dy and Eu) doped Ca ₂ Pb ₃ (PO ₄) ₃ Cl phosphors. Journal of Luminescence, 2019, 215, 116645.	1.5	33
117	Luminescence study of LiMgBO ₃ :Dy for γ and carbon ion beam exposure. Luminescence, 2019, 34, 933-944.	1.5	6
118	Study of luminescence properties of dysprosium-doped CaAl ₁₂ O ₁₉ phosphor for white light-emitting diodes. Luminescence, 2019, 34, 804-811.	1.5	9
119	Synthesis and photoluminescence study of Dy ³⁺ activated SrAl ₁₂ O ₁₉ phosphor. Optik, 2019, 194, 163051.	1.4	10
120	Effect of β -radiation on TL, ESR and evaluation of trapping parameters of K ₂ Ca(SO ₄) ₂ :X (X= Dy or Eu) phosphors. Radiation Effects and Defects in Solids, 2019, 174, 790-808.	0.4	3
121	Structural characterization and influence of calcination temperature on luminescence properties of Sr _{0.91} Mg ₂ Al _{5.82} Si _{9.18} O ₃₀ : Eu ³⁺ nanophosphors. Powder Technology, 2019, 354, 591-600.	2.1	7
122	A review: Thermoluminescence dosimetric application for phosphor. AIP Conference Proceedings, 2019, , .	0.3	15
123	Versatility of thermoluminescence materials and radiation dosimetry – A review. Luminescence, 2019, 34, 656-665.	1.5	46
124	Thermoluminescence glow curve analysis of RE doped LiMgBO ₃ phosphor using GCCD function. AIP Conference Proceedings, 2019, , .	0.3	0
125	Synthesis route dependent characterizations of CaMgP ₂ O ₇ : Gd ³⁺ phosphor. Results in Physics, 2019, 13, 102295.	2.0	14
126	Facile precipitation synthesis of green-emitting BaY ₂ F ₈ :Yb ³⁺ , Ho ³⁺ upconverting phosphor. Ceramics International, 2019, 45, 14205-14213.	2.3	28

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127	Green light emission through energy transfer from Ce ³⁺ to Tb ³⁺ ions in the Li ₂ SO ₄ ·Al ₂ (SO ₄) ₃ system. <i>Luminescence</i> , 2019, 34, 382-386.	1.5	1
128	Two-dimensional layered magnesium-cobalt hydroxide crocheted structure for high rate and long stable supercapacitor application. <i>Npj 2D Materials and Applications</i> , 2019, 3, .	3.9	19
129	Impact of Cs ⁺ ion beam on Dy activated Sr ₂ B ₅ O ₉ Cl TL phosphor. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 7621-7628.	1.1	4
130	Improved photon upconversion photoluminescence and intrinsic optical bistability from a rare earth co-doped lanthanum oxide phosphor via Bi ³⁺ doping. <i>New Journal of Chemistry</i> , 2018, 42, 7272-7282.	1.4	44
131	ZrO ₂ :Sm ³⁺ nanophosphor: synthesis, Rietveld refinement, optical and thermoluminescent properties. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	11
132	Spectroscopic investigations of Dy ³⁺ activated MCa ₂ P ₂ O ₇ (M ²⁺ =Sr/Ba) pyrophosphate phosphors. <i>Journal of Alloys and Compounds</i> , 2018, 753, 111-118.	2.8	9
133	Optical properties of Eu ³⁺ & Tb ³⁺ ions doped alkali oxide (Li ₂ O/Na ₂ O/K ₂ O) modified borophosphate glasses for red, green lasers and display device applications. <i>Physica B: Condensed Matter</i> , 2018, 535, 2-7.	1.3	13
134	Luminescence properties of Na ₂ Sr ₂ Al ₂ PO ₄ Cl ₉ :Sm ³⁺ phosphor. <i>Physica B: Condensed Matter</i> , 2018, 535, 157-161.	1.3	12
135	Synthesis and characterization of high quantum yield and oscillator strength 6-chloro-2-(4-cyanophenyl)-4-phenyl quinoline (Cl-CN-DPQ) organic phosphor for solid-state lighting. <i>Luminescence</i> , 2018, 33, 297-304.	1.5	5
136	Novel photoluminescence properties of Eu ³⁺ doped chlorapatite phosphor synthesized via sol-gel method. <i>Materials Research Bulletin</i> , 2018, 97, 466-472.	2.7	15
137	Structural and optical characterization of RE (Eu ²⁺ , Ce ³⁺) doped SrMg ₂ Al ₆ Si ₉ O ₃₀ nanocrystalline phosphor. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 906-913.	1.1	2
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