

Ishwar Prasad Sahu

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,131
citations

346980

22
h-index

511568

30
g-index

64
all docs

64
docs citations

64
times ranked

790
citing authors

#	ARTICLE	IF	CITATIONS
1	Photo and Mechano-luminescence properties of novel Zn _{1-x} EuxAl _{2-y} BayO ₄ advance blue phosphor. Physica B: Condensed Matter, 2021, 602, 412612.	1.3	6
2	Enhanced thermoluminescence properties of CaSrAl ₂ SiO ₇ :Ce ³⁺ ,Tb ³⁺ phosphor. Journal of Materials Science: Materials in Electronics, 2021, 32, 28765-28771.	1.1	1
3	Thermoluminescence studies of Dy ³⁺ -doped calcium barium orthosilicate codoped with Li ⁺ ion. Journal of Thermal Analysis and Calorimetry, 2020, 139, 1577-1583.	2.0	4
4	Influence of Dy ³⁺ concentration on spectroscopic behaviour of Sr ₃ MgSi ₂ O ₈ :Dy ³⁺ phosphors. Journal of Alloys and Compounds, 2020, 816, 152590.	2.8	23
5	Investigation of structural and thermal response of Sm ³⁺ doped Sr ₃ MgSi ₂ O ₈ phosphors. Optical and Quantum Electronics, 2020, 52, 1.	1.5	2
6	Thermoluminescence glow curve for UV induced Sr ₃ MgSi ₂ O ₈ phosphor with its structural characterization. Journal of Materials Science: Materials in Electronics, 2019, 30, 771-777.	1.1	7
7	Studies on thermoluminescence properties of alkaline earth silicate phosphors. Journal of Alloys and Compounds, 2018, 735, 1383-1388.	2.8	29
8	Optical studies of the Ba _{1-x} MgAl ₁₀ O ₁₇ :Eux phosphors synthesis by combustion route. Journal of Alloys and Compounds, 2018, 769, 831-842.	2.8	25
9	Tuning of luminescent properties of Zn _{1-x} MgAl ₁₀ O ₁₇ :Eux nano phosphor. Journal of Alloys and Compounds, 2018, 764, 1021-1032.	2.8	24
10	Studies on the luminescence properties of CaZrO ₃ :Eu ³⁺ phosphors prepared by the solid state reaction method. Journal of Science: Advanced Materials and Devices, 2017, 2, 69-78.	1.5	12
11	Luminescence studies on the europium doped strontium metasilicate phosphor prepared by solid state reaction method. Journal of Science: Advanced Materials and Devices, 2017, 2, 59-68.	1.5	16
12	Tuning of photoluminescence emission properties of Eu ³⁺ doped Gd ₂ O ₃ by different excitations. Optik, 2017, 135, 281-289.	1.4	12
13	Luminescence properties of violet-blue emitting Ca ₂ MgSi ₂ O ₇ :Ce ³⁺ phosphor prepared by solid state reaction method. Journal of Materials Science: Materials in Electronics, 2017, 28, 381-393.	1.1	5
14	Orange-red emitting europium doped strontium ortho-silicate phosphor prepared by a solid state reaction method. Luminescence, 2017, 32, 364-374.	1.5	7
15	Effect of charge compensator ion on dysprosium doped di-calcium magnesium di-silicate phosphors. Journal of Materials Science: Materials in Electronics, 2017, 28, 892-902.	1.1	4
16	Luminescence behavior of europium doped strontium magnesium silicate phosphor by solid state reaction method. Journal of Materials Science: Materials in Electronics, 2016, 27, 7573-7581.	1.1	3
17	Enhancement of photoluminescence behavior of Gd ₂ O ₃ :Er ³⁺ phosphor by alkali metal. Optik, 2016, 127, 3693-3697.	1.4	11
18	Luminescent properties of R ⁺ doped Sr ₂ MgSi ₂ O ₇ :Eu ³⁺ (R ⁺ =Li ⁺ , Na ⁺ and K ⁺) orange-red emitting phosphors. Journal of Materials Science: Materials in Electronics, 2016, 27, 6721-6734.	1.1	12

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19	Studies on the luminescence properties of dysprosium doped strontium metasilicate phosphor by solid state reaction method. Journal of Materials Science: Materials in Electronics, 2016, 27, 9094-9106.	1.1	9
20	Dysprosium-Doped Strontium Magnesium Silicate White Light Emitting Phosphor Prepared by Solid State Reaction Method. Journal of Display Technology, 2016, 12, 1478-1487.	1.3	3
21	Enhancement of the mechanoluminescence properties on Ca ₂ MgSi ₂ O ₇ :Dy ³⁺ phosphor by co-doping of charge compensator ions. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	1
22	Enhance luminescence by introducing alkali metal ions (R ⁺ =Li ⁺ , Tl ⁺ , Na ⁺ , K ⁺) on Sr ₂ MgSi ₂ O ₇ :Dy ³⁺ phosphor by solid-state reaction method. Radiation Effects and Defects in Solids, 2016, 171, 511-527.	0.4	12
23	Luminescence properties of dysprosium doped barium alumino-silicate phosphors prepared by the solid state reaction method. Journal of Materials Science: Materials in Electronics, 2016, 27, 13134-13147.	1.1	12
24	Luminescence properties of cerium-doped di-strontium magnesium di-silicate phosphor by the solid-state reaction method. Radiation Effects and Defects in Solids, 2016, 171, 544-564.	0.4	1
25	Effect of charge compensator ions (R ⁺ =Li ⁺ , Na ⁺ and K ⁺) on Sr ₂ MgSi ₂ O ₇ :Dy ³⁺ phosphors by solid-state reaction method. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	11
26	Structural Characterization of Gd ₂ O ₃ Phosphor Synthesized by Solid-State Reaction and Combustion Method Using X-Ray Diffraction and Transmission Electron Microscopic Techniques. Journal of Display Technology, 2016, 12, 921-927.	1.3	9
27	Studies on the photoluminescence behavior of rare earth (Ce, Sm, Eu, Dy, Tb) activated calcium magnesium silicate phosphors. Journal of Materials Science: Materials in Electronics, 2016, 27, 10353-10363.	1.1	4
28	Ca ₂ Al ₂ Si ₇ :Ce ³⁺ phosphors for mechanoluminescence dosimetry. Luminescence, 2016, 31, 1479-1487.	1.5	14
29	Luminescence behavior of europium activated strontium aluminate phosphors by solid state reaction method. Journal of Materials Science: Materials in Electronics, 2016, 27, 3443-3455.	1.1	13
30	Comparative study of thermoluminescence behaviour of Gd ₂ O ₃ phosphor synthesized by solid state reaction and combustion method with different exposure. Radiation Measurements, 2016, 84, 41-54.	0.7	17
31	Generation of White Light from Dysprosium-Doped Strontium Aluminate Phosphor by a Solid-State Reaction Method. Journal of Electronic Materials, 2016, 45, 2222-2232.	1.0	26
32	Studies on the luminescence behavior of SrCaMgSi ₂ O ₇ :Eu ³⁺ phosphor by solid state reaction method. Journal of Materials Science: Materials in Electronics, 2016, 27, 1828-1839.	1.1	10
33	Impulsive excitation of mechanoluminescence in europium activated strontium ortho-silicate phosphor. Journal of Materials Science: Materials in Electronics, 2016, 27, 3934-3940.	1.1	6
34	Enhancement of the photoluminescence and long afterglow properties of Ca ₂ MgSi ₂ O ₇ :Eu ²⁺ phosphor by Dy ³⁺ co-doping. Research on Chemical Intermediates, 2016, 42, 1823-1843.	1.3	18
35	Upconversion and colour tunability of Gd ₂ O ₃ :Er ³⁺ phosphor prepared by combustion synthesis method. Journal of Alloys and Compounds, 2016, 655, 423-432.	2.8	32
36	Enhanced luminescence performance of Sr ₂ MgSi ₂ O ₇ :Eu ²⁺ blue long persistence phosphor by co-doping with Ce ³⁺ ions. Journal of Materials Science: Materials in Electronics, 2016, 27, 554-569.	1.1	17

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37	UV excited green luminescence of SrAl ₂ O ₄ :Eu ²⁺ , Dy ³⁺ nanophosphor. Research on Chemical Intermediates, 2016, 42, 2791-2804.	1.3	8
38	Effect of synthesis annealing temperature & Yb ³⁺ concentration on photoluminescence properties of monoclinic Gd ₂ O ₃ phosphor. Journal of Optics (India), 2015, 44, 337-345.	0.8	5
39	Luminescence Properties of Sr ₂ MgSi ₂ O ₇ :Eu ²⁺ , Ce ³⁺ Phosphor by Solid State Reaction Method. Physics Procedia, 2015, 76, 80-85.	1.2	9
40	Photoluminescence properties of europium doped di-strontium magnesium di-silicate phosphor by solid state reaction method. Journal of Radiation Research and Applied Sciences, 2015, 8, 104-109.	0.7	47
41	Luminescence properties of Eu ²⁺ , Dy ³⁺ -doped Sr ₂ MgSi ₂ O ₇ , and Ca ₂ MgSi ₂ O ₇ phosphors by solid-state reaction method. Research on Chemical Intermediates, 2015, 41, 6649-6664.	1.3	44
42	Structural characterization and luminescence properties of bluish-green-emitting SrCaMgSi ₂ O ₇ :Eu ²⁺ , Dy ³⁺ phosphor by solid-state reaction method. Research on Chemical Intermediates, 2015, 41, 8797-8814.	1.3	30
43	Luminescence properties of green-emitting Ca ₂ MgSi ₂ O ₇ :Eu ²⁺ phosphor by a solid-state reaction method. Luminescence, 2015, 30, 1125-1132.	1.5	32
44	Europium doped di-calcium magnesium di-silicate orange-red emitting phosphor by solid state reaction method. Journal of Radiation Research and Applied Sciences, 2015, 8, 381-388.	0.7	31
45	Luminescence properties of dysprosium doped calcium magnesium silicate phosphor by solid state reaction method. Journal of Alloys and Compounds, 2015, 649, 1329-1338.	2.8	37
46	Structural and luminescence behavior of Gd ₂ O ₃ :Er ³⁺ phosphor synthesized by solid state reaction method. Optik, 2015, 126, 2654-2658.	1.4	18
47	Enhancement of the photoluminescence and long afterglow properties of Sr ₂ MgSi ₂ O ₇ :Eu ²⁺ phosphor by Dy ³⁺ co-doping. Luminescence, 2015, 30, 1318-1325.	1.5	35
48	Structural characterization and optical properties of dysprosium doped strontium calcium magnesium di-silicate phosphor by solid state reaction method. Displays, 2015, 38, 68-76.	2.0	33
49	Comparison of emitted color by pure Gd ₂ O ₃ prepared by two different methods by CIE coordinates. Superlattices and Microstructures, 2015, 88, 382-388.	1.4	20
50	The role of europium and dysprosium in the bluish-green long lasting Sr ₂ Al ₂ SiO ₇ :Eu ²⁺ , Dy ³⁺ phosphor by solid state reaction method. Journal of Materials Science: Materials in Electronics, 2015, 26, 7059-7072.	1.1	29
51	Comparative Study and Role of Er ³⁺ and Yb ³⁺ Concentrations on Upconversion Process of Gd ₂ O ₃ :Er ³⁺ Yb ³⁺ Phosphors Prepared By Solid-State Reaction and Combustion Method. Journal of Physical Chemistry C, 2015, 119, 21072-21086.	1.5	32
52	Luminescence studies of dysprosium doped strontium aluminate white light emitting phosphor by combustion route. Journal of Materials Science: Materials in Electronics, 2015, 26, 8824-8839.	1.1	39
53	Studies on the luminescence properties of europium doped strontium alumino-silicate phosphors by solid state reaction method. Journal of Materials Science: Materials in Electronics, 2015, 26, 10075-10086.	1.1	15
54	Dysprosium doped di-calcium magnesium di-silicate white light emitting phosphor by solid state reaction method. Journal of Materials Science: Materials in Electronics, 2015, 26, 9907-9920.	1.1	11

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55	Effect of capping agent concentration on thermoluminescence and photoluminescence of copper doped zinc sulfide nanoparticles. <i>Luminescence</i> , 2015, 30, 655-659.	1.5	4
56	Ytterbium Doped Gadolinium Oxide ($Gd_2O_3:Yb^{3+}$) Phosphor: Topology, Morphology, and Luminescence Behaviour. <i>Indian Journal of Materials Science</i> , 2014, 2014, 1-7.	0.6	24
57	Dysprosium doped di-strontium magnesium di-silicate white light emitting phosphor by solid state reaction method. <i>Displays</i> , 2014, 35, 279-286.	2.0	52
58	Performance Study of PEM Fuel Cell under Different Loading Conditions. <i>Energy Procedia</i> , 2014, 54, 468-478.	1.8	10
59	UV and gamma ray induced thermoluminescence properties of cubic $Gd_2O_3:Er^{3+}$ phosphor. <i>Journal of Radiation Research and Applied Sciences</i> , 2014, 7, 417-429.	0.7	68
60	Investigation of structural, luminescence, and anti-bacterial properties of novel $Zn_{1-x}Eu_xAl_2O_4$ phosphor. <i>Journal of Materials Science: Materials in Electronics</i> , 0, , .	1.1	4