

Nameeta Brahme

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8294937/publications.pdf>

Version: 2024-02-01

101
papers

1,952
citations

249298

26
h-index

388640

36
g-index

106
all docs

106
docs citations

106
times ranked

1365
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural, luminescent properties and Judd-Ofelt analysis of CaMgSiO ₄ :Eu ³⁺ phosphor for solid state lighting. Optical Materials, 2022, 123, 111787.	1.7	18
2	Luminescence properties of a novel cyan-blue light emitting Ce ³⁺ -doped SrZrSi ₂ O ₇ phosphor. Optical Materials, 2022, 126, 112141.	1.7	15
3	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. Materials Today Chemistry, 2022, 24, 100938.	1.7	8
4	Analysis of thermoluminescence glow curve and evaluation of trapping parameters of cerium activated M ₂ Al ₂ SiO ₇ (M= Ca and Sr) phosphor for TLD application. Materials Chemistry and Physics, 2022, 287, 126273.	2.0	5
5	Thermoluminescence studies of CdB ₄ O ₇ :Sm ³⁺ phosphor. Materials Today: Proceedings, 2022, , .	0.9	0
6	Tale of GRB [^] 171010A/SN [^] 2017htp and GRB [^] 171205A/SN [^] 2017iuk: Magnetar origin?. New Astronomy, 2022, 97, 101889.	0.8	5
7	Studies on structural properties, luminescence behavior and zeta potential of Dy ³⁺ doped alkaline earth ortho-silicate phosphors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 263, 114882.	1.7	11
8	Generation of cold white light by using energy transfer process in single phase Ce ³⁺ /Tb ³⁺ co-doped CaSrAl ₂ SiO ₇ phosphor. Optics and Laser Technology, 2021, 135, 106682.	2.2	6
9	Study of Photoluminescence, Thermoluminescence, and Afterglow properties of Dy ³⁺ doped Ba ₂ ZnSi ₂ O ₇ phosphor. Optik, 2021, 226, 165896.	1.4	24
10	Investigation of structural and conduction mechanism of Europium modified BaZr _{0.05} Ti _{0.95} O ₃ ceramic prepared by solid-state reaction method. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	8
11	Luminescence properties of blue-emitting Ce ³⁺ -doped series of Ca ₂ Al ₂ SiO ₇ and Sr ₂ Al ₂ SiO ₇ phosphors. Journal of Materials Science: Materials in Electronics, 2021, 32, 20793-20803.	1.1	4
12	Judd-Ofelt analysis and luminescent characterization of Eu ³⁺ activated Li ₂ Zr(PO ₄) ₂ phosphor. Optical Materials, 2021, 118, 111196.	1.7	12
13	Synthesis and optical characterization of Dy ³⁺ doped barium alumino silicate phosphor. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 273, 115445.	1.7	7
14	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
15	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
16	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
17	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
18	A comparative photoluminescence and Judd-Ofelt study on alumino silicate phosphors. Journal of Materials Science: Materials in Electronics, 2020, 31, 13667-13679.	1.1	14

#	ARTICLE	IF	CITATIONS
19	Photoluminescence and comparative thermoluminescence studies of UV/ γ -irradiated Dy ³⁺ doped bismuth silicate phosphor. Journal of Materials Science: Materials in Electronics, 2020, 31, 14454-14465.	1.1	18
20	Oxygen vacancy related conduction behavior in BaZr _{0.05} Ti _{0.95} O ₃ ceramic. IOP Conference Series: Materials Science and Engineering, 2020, 798, 012006.	0.3	2
21	Investigation of structural and optical properties of gadolinium modified barium zirconium titanate ceramic. Phase Transitions, 2020, 93, 529-536.	0.6	3
22	Synthesis and concentration dependent luminescent characterization of BaMgSiO ₄ : Eu ³⁺ phosphor. Journal of Alloys and Compounds, 2020, 838, 155326.	2.8	14
23	SN 2010kd: Photometric and Spectroscopic Analysis of a Slow-decaying Superluminous Supernova. Astrophysical Journal, 2020, 892, 28.	1.6	15
24	Structural characterization and effects of Dy concentration on luminescent properties of BaMgSiO ₄ phosphors. Journal of Alloys and Compounds, 2019, 805, 663-672.	2.8	32
25	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
26	Structural characterization and luminescence properties of Dy ³⁺ doped Ca ₃ MgSi ₂ O ₈ phosphors. Journal of Alloys and Compounds, 2019, 777, 423-433.	2.8	62
27	Luminescence properties of near-UV excitable yellow-orange light emitting warm CaSrAl ₂ SiO ₇ :Sm ³⁺ phosphors. Journal of Rare Earths, 2019, 37, 365-373.	2.5	18
28	Influence of Eu doping on the structural, electrical and optical behavior of Barium Zirconium Titanate ceramic. Ceramics International, 2018, 44, 1817-1825.	2.3	17
29	Study on photoluminescence and thermoluminescence properties of UV-irradiated CaSrAl ₂ SiO ₇ :Ce ³⁺ phosphors. Journal of Materials Science: Materials in Electronics, 2018, 29, 1412-1419.	1.1	11
30	Studies on thermoluminescence properties of alkaline earth silicate phosphors. Journal of Alloys and Compounds, 2018, 735, 1383-1388.	2.8	29
31	Growth and synthesis of Sr ₃ MgSi ₂ O ₈ :Dy ³⁺ nanorod arrays by a solid state reaction method. Optical and Quantum Electronics, 2018, 50, 1.	1.5	11
32	Analysis of temperature and frequency dependent dielectric properties, dynamic hysteresis loop and thermal energy conversion in BaZr _{0.05} Ti _{0.95} O ₃ ceramic. Journal of Materials Science: Materials in Electronics, 2018, 29, 11439-11448.	1.1	17
33	Cool white light emission from Dy ³⁺ activated alkaline alumino silicate phosphors. Optics Express, 2018, 26, 29495.	1.7	62
34	Photoluminescence and mechanoluminescence investigation of bluish-green afterglow SrMgAl ₁₀ O ₁₇ :Ce ³⁺ phosphor. Journal of Materials Science: Materials in Electronics, 2017, 28, 4750-4757.	1.1	6
35	Electrical characterizations of BaZr _{0.05} Ti _{0.95} O ₃ perovskite ceramic by impedance spectroscopy, electric modulus and conductivity. Journal of Materials Science: Materials in Electronics, 2017, 28, 16956-16964.	1.1	23
36	Fracto- mechanoluminescence and thermoluminescence properties of orange-red emitting Eu ³⁺ doped Ca ₂ Al ₂ SiO ₇ phosphors. Journal of Luminescence, 2017, 183, 89-96.	1.5	33

#	ARTICLE	IF	CITATIONS
37	Estimation of kinetic parameters from thermoluminescence glow curves of pure and Eu ³⁺ doped barium zirconate titanate (BZT). <i>Optik</i> , 2017, 129, 83-92.	1.4	2
38	INVESTIGATION OF THERMOLUMINESCENCE CHARACTERISTICS OF Y ₂ O ₃ :Er ³⁺ NANOPHOSPHORS. <i>Radiation Protection Dosimetry</i> , 2017, 173, 293-301.	0.4	1
39	Fractomechanoluminescence and thermoluminescence properties of UV and γ irradiated Ca ₂ Al ₂ Si ₇ O ₂₀ :Ce ³⁺ phosphor. <i>Luminescence</i> , 2016, 31, 793-801.	1.5	10
40	Structural characterization and thermoluminescence studies of UV irradiated and Eu ³⁺ activated BaZr _{0.25} Ti _{0.75} O ₃ powders. <i>Materials Science in Semiconductor Processing</i> , 2016, 44, 38-47.	1.9	8
41	Luminescent properties of R ⁺ doped Sr ₂ MgSi ₂ O ₇ :Eu ³⁺ (R ⁺ =Li ⁺ , Na ⁺ and K ⁺) orange-red emitting phosphors. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 6721-6734.	1.1	12
42	A study on the luminescence properties of gamma-ray-irradiated white light emitting Ca ₂ Al ₂ Si ₇ O ₂₀ :Dy ³⁺ phosphors fabricated using a combustion-assisted method. <i>RSC Advances</i> , 2016, 6, 49317-49327.	1.7	21
43	Structural characterization of Er ³⁺ , Yb ³⁺ doped Gd ₂ O ₃ phosphor, synthesized using the solid state reaction method, and its luminescence behavior. <i>Luminescence</i> , 2016, 31, 8-15.	1.5	12
44	Photoluminescence and thermoluminescence studies of CaAl ₂ O ₄ :Dy ³⁺ phosphor. <i>Luminescence</i> , 2016, 31, 76-80.	1.5	12
45	Mechanoluminescence, thermoluminescence and photoluminescence studies of UV/ γ -irradiated Ba ₂ MgSi ₂ O ₇ :Dy ³⁺ phosphors. <i>Journal of Luminescence</i> , 2016, 180, 306-314.	1.5	14
46	Photoluminescence and thermoluminescence properties of Eu ²⁺ doped and Eu ²⁺ , Dy ³⁺ co-doped Ba ₂ MgSi ₂ O ₇ phosphors. <i>Luminescence</i> , 2016, 31, 1364-1371.	1.5	7
47	Investigations on luminescence behaviour of Ce ³⁺ activated BaMgAl ₁₀ O ₁₇ phosphor. <i>Luminescence</i> , 2016, 31, 1306-1312.	1.5	1
48	Enhanced long-persistence of Ca ₂ Al ₂ Si ₇ O ₂₀ :Ce ³⁺ phosphors for mechanoluminescence and thermoluminescence dosimetry. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 6399-6407.	1.1	18
49	Luminescence properties of dysprosium doped di-calcium di-aluminium silicate phosphors. <i>Optical Materials</i> , 2016, 58, 234-242.	1.7	29
50	Ca ₂ Al ₂ Si ₇ O ₂₀ :Ce ³⁺ phosphors for mechanoluminescence dosimetry. <i>Luminescence</i> , 2016, 31, 1479-1487.	1.5	14
51	Luminescence behavior of europium activated strontium aluminate phosphors by solid state reaction method. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 3443-3455.	1.1	13
52	Effect of gamma irradiation on thermoluminescence and fracto-mechanoluminescence properties of SrMgAl ₁₀ O ₁₇ :Eu ²⁺ phosphor. <i>Optical Materials</i> , 2016, 53, 109-115.	1.7	12
53	Generation of White Light from Dysprosium-Doped Strontium Aluminate Phosphor by a Solid-State Reaction Method. <i>Journal of Electronic Materials</i> , 2016, 45, 2222-2232.	1.0	26
54	Studies on the luminescence behavior of SrCaMgSi ₂ O ₇ :Eu ³⁺ phosphor by solid state reaction method. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 1828-1839.	1.1	10

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	Thermoluminescence and Mechanoluminescence Properties of UV- Irradiated Ca ₂ Al ₂ SiO ₇ :Ce ³⁺ , Tb ³⁺ Phosphor. Physics Procedia, 2015, 76, 53-58.	1.2	8
58	Photoluminescence and Electroluminescence of Eu Doped Y ₂ O ₃ . Physics Procedia, 2015, 76, 16-24.	1.2	4
59	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
60	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
61	Thermoluminescence and Mechanoluminescence Properties of Ba _{2-x} MgSi ₂ O ₇ :xCe ³⁺ Phosphors. Physics Procedia, 2015, 76, 59-67.	1.2	8
62	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
63	Down-conversion luminescence property of Er ³⁺ and Yb ³⁺ co-doped Gd ₂ O ₃ crystals prepared by combustion synthesis and solid state reaction method. Superlattices and Microstructures, 2015, 81, 34-48.	1.4	37
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	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
72	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

#	ARTICLE	IF	CITATIONS
73	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
74	Studies on the luminescence properties of europium doped strontium aluminosilicate phosphors by solid state reaction method. Journal of Materials Science: Materials in Electronics, 2015, 26, 10075-10086.	1.1	15
75	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
76	Effect of Yb ³⁺ concentration on photoluminescence properties of cubic Gd ₂ O ₃ phosphor. Infrared Physics and Technology, 2015, 68, 92-97.	1.3	31
77	Effect of capping agent concentration on thermoluminescence and photoluminescence of copper doped zinc sulfide nanoparticles. Luminescence, 2015, 30, 655-659.	1.5	4
78	Influence of Er ³⁺ concentration on the photoluminescence characteristics and excitation mechanism of Gd ₂ O ₃ :Er ³⁺ phosphor synthesized via a solid state reaction method. Luminescence, 2015, 30, 668-676.	1.5	28
79	Comparison of photoluminescence properties of Gd ₂ O ₃ phosphor synthesized by combustion and solid state reaction method. Journal of Radiation Research and Applied Sciences, 2014, 7, 550-559.	0.7	97
80	Dysprosium doped di-strontium magnesium di-silicate white light emitting phosphor by solid state reaction method. Displays, 2014, 35, 279-286.	2.0	52
81	Effects of rare earth ions (Tb, Ce, Eu, Dy) on the thermoluminescence characteristics of sol-gel derived and ¹³⁷ Cs irradiated SiO ₂ nanoparticles. Luminescence, 2014, 29, 669-673.	1.5	19
82	Thermoluminescence investigation of sol-gel derived and ¹³⁷ Cs irradiated SnO ₂ :Eu ³⁺ nanoparticles. Journal of Luminescence, 2014, 145, 940-943.	1.5	23
83	Thermo and mechanoluminescence studies of BZT phosphor. Optik, 2014, 125, 4655-4658.	1.4	4
84	Electroluminescence and photoluminescence of rare earth (Eu,Tb) doped Y ₂ O ₃ nanophosphor. Journal of Luminescence, 2014, 155, 112-118.	1.5	32
85	UV and gamma ray induced thermoluminescence properties of cubic Gd ₂ O ₃ :Er ³⁺ phosphor. Journal of Radiation Research and Applied Sciences, 2014, 7, 417-429.	0.7	68
86	Characterization and luminescence properties of Gd ₂ O ₃ phosphor. Research on Chemical Intermediates, 2014, 40, 1771-1779.	1.3	69
87	Thermoluminescence Characterization Of Gamma-ray Irradiated Dy ³⁺ Activated SrAl ₄ O ₇ Nanophosphor. Advanced Materials Letters, 2014, 5, 396-399.	0.3	8
88	Enhancing effect of hydrazine on chemiluminescence of luminol-H ₂ O ₂ system. Journal of Applied Spectroscopy, 2013, 80, 305-307.	0.3	5
89	Thermoluminescence and Mechanoluminescence of Eu Doped Y ₂ O ₃ Nanophosphors. Physics Procedia, 2012, 29, 97-103.	1.2	16
90	Mechanoluminescence by Impulsive Deformation and Photoluminescence of SrAl ₂ O ₄ :Eu Phosphor Prepared by Combustion Synthesis. Physics Procedia, 2012, 29, 104-108.	1.2	11

#	ARTICLE	IF	CITATIONS
91	Mechanoluminescence and thermoluminescence of BaFCl:Sm ²⁺ and BaFBr:Sm ²⁺ crystals. Radiation Effects and Defects in Solids, 2012, 167, 326-332.	0.4	5
92	Synthesis, structural, photoluminescence and mechanoluminescence properties of Tb ³⁺ : Ca ₂ Gd ₂ W ₃ O ₁₄ novel green nanophosphors. Journal of Materials Science, 2012, 47, 2359-2364.	1.7	15
93	Combustion synthesis of Sr ₆ AlP ₅ O ₂₀ :Dy ³⁺ submicron phosphor for high dose TL dosimetry. Radiation Measurements, 2011, 46, 1886-1889.	0.7	9
94	Synthesis, photoluminescence and mechanoluminescence properties of Eu ³⁺ ions activated Ca ₂ Gd ₂ W ₃ O ₁₄ phosphors. Journal of Materials Science, 2011, 46, 7793-7798.	1.7	32
95	Improved efficiency of MEH-PPV:PCBM solar cells by the use of ZnS nano-particles. Polymer Bulletin, 2011, 67, 709-718.	1.7	3
96	Mechanoluminescence by impulsive deformation of ¹³⁷ Ir-irradiated Er-doped CaF ₂ crystals. Journal of Luminescence, 2011, 131, 965-969.	1.5	20
97	Mechanoluminescence and thermoluminescence of Mn doped ZnS nanocrystals. Journal of Luminescence, 2011, 131, 2089-2092.	1.5	46
98	Chemical route synthesis dependent particle size of Mn activated ZnS nanophosphors. International Journal of Nanoparticles, 2011, 4, 64.	0.1	9
99	Mechanoluminescence and thermoluminescence in CaF_2 irradiated rare earth doped CaF_2 crystals. Journal of Luminescence, 2011, 131, 2089-2092.	1.2	18
100	Kinetics of transient electroluminescence in organic light emitting diodes. Journal Physics D: Applied Physics, 2008, 41, 165101.	1.3	2
101	Deformation luminescence produced during application and release of pressure on to gamma-irradiated CaF ₂ :RE crystals. Radiation Protection Dosimetry, 2006, 119, 62-65.	0.4	4