

G Annadurai

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

909
citations

430874

18
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

576
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and photoluminescence properties of Ba ₂ CaZn ₂ Si ₆ O ₁₇ :Eu ³⁺ red phosphors for white LED applications. <i>Journal of Luminescence</i> , 2016, 169, 690-694.	3.1	85
2	Synthesis, luminescence properties and thermal stability of Eu ³⁺ -activated Na ₂ Y ₂ B ₂ O ₇ red phosphors excited by near-UV light for pc-WLEDs. <i>Journal of Luminescence</i> , 2019, 205, 129-135.	3.1	82
3	Novel SrLaAlO ₄ :Mn ⁴⁺ deep-red emitting phosphors with excellent responsiveness to phytochrome P _{FR} for plant cultivation LEDs: synthesis, photoluminescence properties, and thermal stability. <i>RSC Advances</i> , 2018, 8, 30223-30229.	3.6	60
4	Photoluminescence properties of red emitting Ba ₃ Bi ₂ (PO ₄) ₄ :Eu ³⁺ phosphor for WLEDs applications. <i>Journal of Luminescence</i> , 2018, 201, 196-202.	3.1	54
5	Synthesis, structural and photoluminescence properties of novel orange-red emitting Ba ₃ Y ₂ B ₆ O ₁₅ :Eu ³⁺ phosphors. <i>Journal of Luminescence</i> , 2019, 208, 75-81.	3.1	48
6	Photoluminescence properties of a novel orange-red emitting Ba ₂ CaZn ₂ Si ₆ O ₁₇ :Sm ³⁺ phosphor. <i>Journal of Rare Earths</i> , 2016, 34, 576-582.	4.8	45
7	Synthesis and photoluminescence properties of a novel high-efficiency red-emitting Ca ₂ LuSbO ₆ :Eu ³⁺ phosphor for WLEDs. <i>Journal of Luminescence</i> , 2019, 214, 116605.	3.1	44
8	High-efficiency cubic-phased blue-emitting Ba ₃ Lu ₂ B ₆ O ₁₅ :Ce ³⁺ phosphors for ultraviolet-excited white-light-emitting diodes. <i>Optics Letters</i> , 2018, 43, 5138.	3.3	44
9	Cyan-emitting Ba ₃ Y ₂ B ₆ O ₁₅ :Ce ³⁺ , Tb ³⁺ phosphor: A potential color converter for near-UV-excited white LEDs. <i>Journal of Luminescence</i> , 2019, 211, 388-393.	3.1	43
10	Synthesis, optical and thermal properties of novel Tb ³⁺ doped RbCaF ₃ fluoroperovskite phosphors. <i>Journal of Alloys and Compounds</i> , 2016, 683, 654-660.	5.5	42
11	Synthesis and photoluminescence properties of a new blue-light-excitable red phosphor Ca ₂ LaTaO ₆ :Eu ³⁺ for white LEDs. <i>Journal of Luminescence</i> , 2020, 222, 117173.	3.1	42
12	Synthesis and photoluminescence characteristics of high color purity Ba ₃ Y ₄ O ₉ :Eu ³⁺ red-emitting phosphors with excellent thermal stability for warm W-LED application. <i>RSC Advances</i> , 2018, 8, 32111-32118.	3.6	41
13	Synthesis and photoluminescence properties of Ba ₂ CaZn ₂ Si ₆ O ₁₇ :Tb ³⁺ green phosphor. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2016, 208, 47-52.	3.5	39
14	Crystal structure, photoluminescence properties and thermal stability of BaLu ₂ Si ₃ O ₁₀ :Eu ³⁺ red-emitting phosphors with high color purity for near-UV-excited white LEDs. <i>Journal of Luminescence</i> , 2019, 215, 116623.	3.1	38
15	Bright tunable white-light emissions from Bi ³⁺ /Eu ³⁺ co-doped Ba ₂ Y ₅ B ₅ O ₁₇ phosphors via energy transfer for UV-excited white light-emitting diodes. <i>Journal of Luminescence</i> , 2020, 226, 117474.	3.1	38
16	Synthesis of novel Dy ³⁺ activated Ba ₂ CaZn ₂ Si ₆ O ₁₇ phosphors for white light-emitting diodes. <i>Luminescence</i> , 2018, 33, 521-527.	2.9	36
17	Novel Eu ³⁺ -activated Ba ₂ Y ₅ B ₅ O ₁₇ red-emitting phosphors for white LEDs: high color purity, high quantum efficiency and excellent thermal stability. <i>RSC Advances</i> , 2018, 8, 23323-23331.	3.6	25
18	A facile synthesis, structural and triple-luminescence properties of a novel fluoroperovskite RbCaF ₃ :Sm ³⁺ phosphor for radiation dosimetry and orange-red LED applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 255, 114531.	3.5	25

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19	Synthesis, structural and optical properties of Eu ³⁺ activated fluoroperovskite (RbMgF ₃) phosphors. Journal of Alloys and Compounds, 2017, 727, 215-223.	5.5	20
20	Novel high color purity and thermally stable Eu ³⁺ ions activated Ba ₂ Gd ₅ B ₅ O ₁₇ red emitting phosphor for near-UV based WLEDs. Optical Materials, 2018, 84, 312-317.	3.6	18
21	Luminescence properties of a novel green emitting Ba ₂ CaZn ₂ Si ₆ O ₁₇ :Eu ²⁺ phosphor for white light emitting diodes applications. Superlattices and Microstructures, 2016, 93, 57-66.	3.1	16
22	A novel bifunctional Dy ³⁺ activated RbCaF ₃ single phase phosphor: Facile synthesis and dual-luminescence properties for WLEDs and dosimetry applications. Advanced Powder Technology, 2020, 31, 2597-2604.	4.1	12
23	Photoluminescence properties of novel Ba ₂ Lu ₅ B ₅ O ₁₇ :Eu ³⁺ red emitting phosphors with high color purity for near-UV excited white light emitting diodes. RSC Advances, 2018, 8, 30396-30403.	3.6	11
24	Structural and Optical Properties of Dy ³⁺ Doped with an Eulytite Type NaBaBi ₂ (PO ₄) ₃ Phosphor for White Light Emitting Diodes. Asian Journal of Chemistry, 2022, 34, 1869-1874.	0.3	1