

Durairajana A

List of Publications by Year in descending order

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papers

435
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623574

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#	ARTICLE	IF	CITATIONS
1	Photosensitive activity of fabricated core-shell composite nanostructured p-CuO@CuS/n-Si diode for photodetection applications. <i>Sensors and Actuators A: Physical</i> , 2021, 317, 112373.	2.0	31
2	Preparation of low cost NaCl single crystal for IR optical window applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 24971-24979.	1.1	2
3	Solvent influenced synthesis of single-phase SnS ₂ nanosheets for solution-processed photodiode fabrication. <i>CrystEngComm</i> , 2020, 22, 525-533.	1.3	40
4	Growth and Characterization of Triglycine Sulphate Single Crystal by Sankaranaryananâ€“Ramasamy Method. <i>Materials Today: Proceedings</i> , 2018, 5, 18815-18822.	0.9	1
5	Magnetic and electric characterizations of solâ€“gel-derived NaFe(WO ₄) ₂ rods. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	1
6	Synthesis and Magnetic Characterization of SolGelâ€“Derived Submicrometer NaGd(WO ₄) ₂ . <i>International Journal of Applied Ceramic Technology</i> , 2016, 13, 876-883.	1.1	1
7	Luminescence characterization of sol-gel derived Pr ³⁺ doped NaGd(WO ₄) ₂ phosphors for solid state lighting applications. <i>Materials Chemistry and Physics</i> , 2016, 179, 295-303.	2.0	27
8	Top Seeded Solution Growth, Structural and Vibrational Analyses of K ^{1-x} Na ^x Gd(WO ₄) ₂ (0.0 ≤ x ≤ 0.2) Single Crystals. <i>Journal of Electronic Materials</i> , 2016, 45, 4460-4467.	1.0	1
9	Photoluminescence properties of sub-micron NaGd ^{1-x} Eu ^x (WO ₄) ₂ red phosphor for solid state lightings application: Derived by different synthesis routes. <i>Superlattices and Microstructures</i> , 2016, 93, 308-321.	1.4	23
10	Solâ€“gel synthesis and photoluminescence analysis of Sm ³⁺ :NaGd(WO ₄) ₂ phosphors. <i>Journal of Luminescence</i> , 2016, 170, 743-748.	1.5	48
11	Investigation on the luminescence properties of Eu ³⁺ /Tb ³⁺ :Y ₃ Al ₅ O ₁₂ phosphors. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	1
12	Synthesis, vibrational and luminescence studies on Eu ³⁺ :KY(WO ₄) ₂ red phosphors. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	1
13	Photoluminescence properties of novel Sm ³⁺ and Dy ³⁺ co-activated CsGd(WO ₄) ₂ phosphors. <i>Journal of Alloys and Compounds</i> , 2015, 637, 350-360.	2.8	32
14	Structural, Morphological, Vibrational, and Photoluminescence Study of Solâ€“Gel-Synthesized Tm ³⁺ :NaGd(WO ₄) ₂ Blue Phosphors. <i>Journal of Electronic Materials</i> , 2015, 44, 4199-4206.	1.0	7
15	Solâ€“gel synthesis and photoluminescence studies on colour tuneable Dy ³⁺ /Tm ³⁺ co-doped NaGd(WO ₄) ₂ phosphor for white light emission. <i>Journal of Luminescence</i> , 2015, 157, 357-364.	1.5	32
16	Solâ€“gel synthesis and luminescent properties of Eu ³⁺ :CsGd(WO ₄) ₂ red emitting phosphors. <i>Journal of Luminescence</i> , 2014, 146, 458-463.	1.5	21
17	Synthesis, structural and vibrational studies on mixed alkali metal gadolinium double tungstate, K ^{1-x} Na ^x Gd(WO ₄) ₂ . <i>Optical Materials</i> , 2013, 35, 735-739.	1.7	6
18	Solâ€“gel synthesis and characterizations of crystalline NaGd(WO ₄) ₂ powder for anisotropic transparent ceramic laser application. <i>Optical Materials</i> , 2013, 35, 740-743.	1.7	37

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19	Novel $\text{KGd}_{1-x-y}\text{Eu}_x\text{Bi}_y(\text{W}_{1-z}\text{Mo}_z\text{O}_4)_2$ nanocrystalline red phosphors for tricolor white LEDs. <i>Journal of Luminescence</i> , 2013, 134, 244-250.	1.5	25
20	Synthesis and characterization of monoclinic $\text{KGd}(\text{WO}_4)_2$ particles for non-cubic transparent ceramics. <i>Optical Materials</i> , 2013, 35, 753-756.	1.7	17
21	Investigation of structural and luminescent properties of Pr^{3+} activated $\text{CsGd}(\text{WO}_4)_2$ by sol-gel synthesis. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2013, 178, 762-767.	1.7	15
22	Growth, vibrational and luminescence analysis of monoclinic $\text{KGd}(1-x)\text{Pr}_x(\text{WO}_4)_2$ ($x=0.005, 0.02, 0.05$) single crystals. <i>Journal of Crystal Growth</i> , 2013, 362, 319-323.	0.7	9
23	Synthesis and vibrational characterization of $\text{KLa}(\text{WO}_4)_2$ crystalline powders by modified pechini method. , 2013, , .		1
24	Synthesis structural and luminescence analysis of $\text{NaGd}_{1-x}\text{Tb}_x(\text{WO}_4)_2$ solid solution for white LED application. , 2013, , .		0
25	Synthesis and characterization of $\text{Eu}^{3+}:\text{YAG}$ nanopowder by precipitation method. , 2013, , .		0
26	$\text{SiO}_2/\text{KGd}(\text{WO}_4)_2:\text{Eu}^{3+}$ composite luminescent nanoparticles: Synthesis and characterization. <i>Materials Chemistry and Physics</i> , 2012, 135, 1115-1121.	2.0	19
27	Characterization of paramagnetic $\text{KHo}(\text{WO}_4)_2$ nanocrystals: Synthesized by polymeric mixed-metal precursor sol-gel method. <i>Journal of Alloys and Compounds</i> , 2011, 509, 9890-9896.	2.8	11
28	Influence of pH and microwave calcination on the morphology of $\text{KGd}(\text{WO}_4)_2$ particles derived by Pechini Sol-Gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 58, 419-426.	1.1	26
29	Polymerized Complex Sol-Gel Synthesis, Structural and Optical Properties of Monoclinic Eu^{3+} Doped $\text{KGd}(\text{WO}_4)_2$ Crystalline Red Phosphors. , 2011, , .		0