Durairajana A

List of Publications by Year
in descending order

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29	435	623574	713332
papers	citations	14	21
		h-index	g-index

29	29	29	432
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solâ€“gel synthesis and photoluminescence analysis of Sm 3+ :NaGd(WO 4) 2 phosphors. Journal of Luminescence, 2016, 170, 743-748.	1.5	48
2	Solvent influenced synthesis of single-phase SnS₂ nanosheets for solution-processed photodiode fabrication. CrystEngComm, 2020, 22, 525-533.	1.3	40
3	Solâ€“gel synthesis and characterizations of crystalline NaGd(WO4)2 powder for anisotropic transparent ceramic laser application. Optical Materials, 2013, 35, 740-743.	1.7	37
4	Photoluminescence properties of novel Sm3+ and Dy3+ co-activated CsGd(WO4)2 phosphors. Journal of Alloys and Compounds, 2015, 637, 350-360.	2.8	32
5	Solâ€“gel synthesis and photoluminescence studies on colour tuneable Dy3+/Tm3+ co-doped NaGd(WO4)2 phosphor for white light emission. Journal of Luminescence, 2015, 157, 357-364.	1.5	32
6	Photosensitive activity of fabricated core-shell composite nanostructured p-CuO@CuS/n-Si diode for photodetection applications. Sensors and Actuators A: Physical, 2021, 317, 112373.	2.0	31
7	Luminescence characterization of sol-gel derived Pr3+ doped NaGd(WO4)2 phosphors for solid state lighting applications. Materials Chemistry and Physics, 2016, 179, 295-303.	2.0	27
8	Influence of pH and microwave calcination on the morphology of KGd(WO4)2 particles derived by Pechini Solâ€“Gel method. Journal of Sol-Gel Science and Technology, 2011, 58, 419-426.	1.1	26
9	Novel KGd1â^'(x+y)EuxBiy (W1â^'zMozO4)2 nanocrystalline red phosphors for tricolor white LEDs. Journal of Luminescence, 2013, 134, 244-250.	1.5	25
10	Photoluminescence properties of sub-micron NaGd 1â^'x Eu x (WO 4) 2 red phosphor for solid state lightings application: Derived by different synthesis routes. Superlattices and Microstructures, 2016, 93, 308-321.	1.4	23
11	Solâ€“gel synthesis and luminescent properties of Eu3+:CsGd(WO4)2 red emitting phosphors. Journal of Luminescence, 2014, 146, 458-463.	1.5	21
12	SiO2/KGd(WO4)2:Eu3+ composite luminescent nanoparticles: Synthesis and characterization. Materials Chemistry and Physics, 2012, 135, 1115-1121.	2.0	19
13	Synthesis and characterization of monoclinic KGd(WO4)2 particles for non-cubic transparent ceramics. Optical Materials, 2013, 35, 753-756.	1.7	17
14	Investigation of structural and luminescent properties of Pr3+ activated CsGd(WO4)2 by solâ€“gel synthesis. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2013, 178, 762-767.	1.7	15
15	Characterization of paramagnetic KHo(WO4)2 nanocrystals: Synthesized by polymeric mixed-metal precursor solâ€“gel method. Journal of Alloys and Compounds, 2011, 509, 9890-9896.	2.8	11
16	Growth, vibrational and luminescence analysis of monoclinic KGd(1â^'x)Prx(WO4)2 (x=0.005, 0.02, 0.05) single crystals. Journal of Crystal Growth, 2013, 362, 319-323.	0.7	9
17	Structural, Morphological, Vibrational, and Photoluminescence Study of Solâ€“Gel-Synthesized Tm3+:NaGd(WO4)2 Blue Phosphors. Journal of Electronic Materials, 2015, 44, 4199-4206.	1.0	7
18	Synthesis, structural and vibrational studies on mixed alkali metal gadolinium double tungstate, K1â^'xNaxGd(WO4)2. Optical Materials, 2013, 35, 735-739.	1.7	6

#	ARTICLE	IF	CITATIONS
19	Preparation of low cost NaCl single crystal for IR optical window applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 24971-24979.	1.1	2
20	Synthesis and vibrational characterization of KLa(WO[sub 4])[sub 2] crystalline powders by modified pechini method. , 2013, , .		1
21	Investigation on the luminescence properties of Eu3+/Tb3+:Y3Al5O12 phosphors. AIP Conference Proceedings, 2015, , .	0.3	1
22	Synthesis, vibrational and luminescence studies on Eu3+:KY(WO4)2 red phosphors. AIP Conference Proceedings, 2015, , .	0.3	1
23	Synthesis and Magnetic Characterization of SolGelâ€Derived Submicrometer NaGd(<scp>WO</scp>₄)₂. International Journal of Applied Ceramic Technology, 2016, 13, 876-883.	1.1	1
24	Top Seeded Solution Growth, Structural and Vibrational Analyses of K1â^'x Na x Gd(WO4)2 (0.0Ââ‰ÂxÂâ‰Â0.2) Single Crystals. Journal of Electronic Materials, 2016, 45, 4460-4467.	1.0	1
25	Growth and Characterization of Triglycine Sulphate Single Crystal by Sankaranaryananâ€“Ramasamy Method. Materials Today: Proceedings, 2018, 5, 18815-18822.	0.9	1
26	Magnetic and electric characterizations of solâ€“gel-derived NaFe(WO4)2 rods. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	1
27	Polymerized Complex Sol-Gel Synthesis, Structural and Optical Properties of Monoclinic Eu[sup 3+] Doped KGd(WO[sub 4])[sub 2] Crystalline Red Phosphors. , 2011, , .		0
28	Synthesis structural and luminescence analysis of NaGd[sub 1â^'X]Tb[sub x](WO[sub 4])[sub 2] solid solution for white LED application. , 2013, , .		0
29	Synthesis and characterization of Eu[sup 3+]:YAG nanopowder by precipitation method. , 2013, , .		0