

# Samvit G Menon

## List of Publications by Citations

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23  
papers

284  
citations

10  
h-index

16  
g-index

24  
ext. papers

376  
ext. citations

3.8  
avg, IF

3.82  
L-index

#	Paper	IF	Citations
23	Magnetically separable core-shell ZnFe <sub>2</sub> O <sub>4</sub> @ZnO nanoparticles for visible light photodegradation of methyl orange. <i>Materials Research Bulletin</i> , <b>2016</b> , 77, 70-77	5.1	65
22	Facile synthesis and luminescence studies of nanocrystalline red emitting Cr:ZnAl <sub>2</sub> O <sub>4</sub> phosphor. <i>Materials Research Bulletin</i> , <b>2017</b> , 86, 63-71	5.1	37
21	Microwave solution route to ceramic ZnAl <sub>2</sub> O <sub>4</sub> nanoparticles in 10 minutes: inversion and photophysical changes with thermal history. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 5420-5428	3.6	21
20	Cr-doped ZnAl <sub>2</sub> O <sub>4</sub> : Microwave solution route for ceramic nanoparticles from metalorganic complexes in minutes. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 800-811	3.8	19
19	Diffusion-controlled growth of CuAl <sub>2</sub> O <sub>4</sub> nanoparticles: effect of sintering and photodegradation of methyl orange. <i>Journal of Experimental Nanoscience</i> , <b>2016</b> , 11, 1227-1241	1.9	19
18	Rapid annealing: A novel processing technique for Cr:ZnAl <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 728, 484-489	5.7	19
17	Nanocrystalline MgCr <sub>x</sub> Al <sub>2-x</sub> O <sub>4</sub> : Facile synthesis and thermal dependency of photoluminescence. <i>Materials Research Bulletin</i> , <b>2017</b> , 94, 513-519	5.1	14
16	Thermal effects on rapid microwave synthesized Co:ZnAl <sub>2</sub> O <sub>4</sub> spinel nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 728, 1083-1090	5.7	13
15	A new recipe for the rapid microwave synthesis of high quantum yield Mn <sup>2+</sup> -doped ZnGa <sub>2</sub> O <sub>4</sub> phosphors for potential forensic applications. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 17446-17456	3.6	13
14	Effect of Zn substitution in Cr <sup>3+</sup> doped MgAl <sub>2</sub> O <sub>4</sub> mixed spinel nanoparticles on red/NIR emission properties. <i>Materials Research Bulletin</i> , <b>2019</b> , 111, 294-300	5.1	12
13	A new microwave approach for the synthesis of green emitting Mn <sup>2+</sup> -doped ZnAl <sub>2</sub> O <sub>4</sub> : A detailed study on its structural and optical properties. <i>Journal of Luminescence</i> , <b>2020</b> , 226, 117482	3.8	10
12	Microwave-assisted synthesis of blue-green NiAl <sub>2</sub> O <sub>4</sub> nanoparticle pigments with high near-infrared reflectance for indoor cooling. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 819, 152991	5.7	9
11	Power-dependent upconversion luminescence properties of self-sensitized ErWO phosphor. <i>Dalton Transactions</i> , <b>2021</b> , 50, 229-239	4.3	9
10	Sr <sub>4</sub> Al <sub>14</sub> O <sub>25</sub> : Eu <sup>2+</sup> , Dy <sup>3+</sup> @ZnO nanocomposites as highly efficient visible light photocatalysts for the degradation of aqueous methyl orange. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 860, 158370	5.7	6
9	Red emitting non-rare earth doped LiMgBO <sub>3</sub> phosphor for light emitting diodes. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 830, 154622	5.7	5
8	Novel Magnetically Separable Fe <sub>3</sub> O <sub>4</sub> @ZnO Core-shell Nanocomposite for UV and Visible Light Photocatalysis. <i>Advanced Science Letters</i> , <b>2017</b> , 23, 1724-1729	0.1	5
7	Luminescence in Africa: a brief overview [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2020</b> , 37, A18	1.7	2

6	Color tunable cathodoluminescence properties of RE <sub>2</sub> WO <sub>6</sub> :Ln <sup>3+</sup> (RE, Ln = Er <sup>3+</sup> and Tm <sup>3+</sup> ) phosphor and its microscopic imaging. <i>Materials Research Bulletin</i> , <b>2021</b> , 134, 111114	5.1	2
5	Synthesis of Tm <sub>2</sub> WO <sub>6</sub> :Er <sup>3+</sup> upconversion phosphor for high-contrast imaging of latent-fingerprints. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 878, 160386	5.7	2
4	Cr-doped ZnGa <sub>2</sub> O <sub>4</sub> : Simple synthesis of intense red-NIR emitting nanoparticles with enhanced quantum efficiency. <i>Optical Materials</i> , <b>2022</b> , 123, 111919	3.3	1
3	Electron beam irradiation studies of ZnGa <sub>2</sub> O <sub>4</sub> :Mn <sup>2+</sup> green phosphor. <i>Vacuum</i> , <b>2021</b> , 192, 110447	3.7	0
2	Adsorptive CuO/CuAl <sub>2</sub> O <sub>4</sub> Nanoparticles for the Separation of Aqueous Methyl Orange. <i>Nano Hybrids and Composites</i> , <b>2016</b> , 12, 21-32	0.7	
1	Selected Peer-Reviewed Articles from the First International Conference on Healthcare and Technical Research (ICHTR 2015), Manipal, India, 22-24 December, 2015. <i>Advanced Science Letters</i> , <b>2017</b> , 23, 1714-1717	0.1	