

Samvit G Menon

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Cr-doped ZnGa ₂ O ₄ : Simple synthesis of intense red-NIR emitting nanoparticles with enhanced quantum efficiency. <i>Optical Materials</i> , 2022 , 123, 111919	3.3	1
22	Power-dependent upconversion luminescence properties of self-sensitized ErWO phosphor. <i>Dalton Transactions</i> , 2021 , 50, 229-239	4.3	9
21	Sr ₄ Al ₁₄ O ₂₅ : Eu ²⁺ , Dy ³⁺ @ZnO nanocomposites as highly efficient visible light photocatalysts for the degradation of aqueous methyl orange. <i>Journal of Alloys and Compounds</i> , 2021 , 860, 158370	5.7	6
20	Color tunable cathodoluminescence properties of RE ₂ WO ₆ :Ln ³⁺ (RE, Ln = Er ³⁺ and Tm ³⁺) phosphor and its microscopic imaging. <i>Materials Research Bulletin</i> , 2021 , 134, 111114	5.1	2
19	Synthesis of Tm ₂ WO ₆ :Er ³⁺ upconversion phosphor for high-contrast imaging of latent-fingerprints. <i>Journal of Alloys and Compounds</i> , 2021 , 878, 160386	5.7	2
18	Electron beam irradiation studies of ZnGa ₂ O ₄ :Mn ²⁺ green phosphor. <i>Vacuum</i> , 2021 , 192, 110447	3.7	0
17	Red emitting non-rare earth doped LiMgBO ₃ phosphor for light emitting diodes. <i>Journal of Alloys and Compounds</i> , 2020 , 830, 154622	5.7	5
16	A new microwave approach for the synthesis of green emitting Mn ²⁺ -doped ZnAl ₂ O ₄ : A detailed study on its structural and optical properties. <i>Journal of Luminescence</i> , 2020 , 226, 117482	3.8	10
15	Luminescence in Africa: a brief overview [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020 , 37, A18	1.7	2
14	Microwave-assisted synthesis of blue-green NiAl ₂ O ₄ nanoparticle pigments with high near-infrared reflectance for indoor cooling. <i>Journal of Alloys and Compounds</i> , 2020 , 819, 152991	5.7	9
13	A new recipe for the rapid microwave synthesis of high quantum yield Mn ²⁺ -doped ZnGa ₂ O ₄ phosphors for potential forensic applications. <i>New Journal of Chemistry</i> , 2019 , 43, 17446-17456	3.6	13
12	Effect of Zn substitution in Cr ³⁺ doped MgAl ₂ O ₄ mixed spinel nanoparticles on red/NIR emission properties. <i>Materials Research Bulletin</i> , 2019 , 111, 294-300	5.1	12
11	Cr-doped ZnAl ₂ O ₄ : Microwave solution route for ceramic nanoparticles from metalorganic complexes in minutes. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 800-811	3.8	19
10	Microwave solution route to ceramic ZnAl ₂ O ₄ nanoparticles in 10 minutes: inversion and photophysical changes with thermal history. <i>New Journal of Chemistry</i> , 2017 , 41, 5420-5428	3.6	21
9	Rapid annealing: A novel processing technique for Cr:ZnAl ₂ O ₄ nanoparticles. <i>Journal of Alloys and Compounds</i> , 2017 , 728, 484-489	5.7	19
8	Thermal effects on rapid microwave synthesized Co:ZnAl ₂ O ₄ spinel nanoparticles. <i>Journal of Alloys and Compounds</i> , 2017 , 728, 1083-1090	5.7	13
7	Nanocrystalline MgCr _x Al _{2-x} O ₄ : Facile synthesis and thermal dependency of photoluminescence. <i>Materials Research Bulletin</i> , 2017 , 94, 513-519	5.1	14

6	Facile synthesis and luminescence studies of nanocrystalline red emitting Cr:ZnAl ₂ O ₄ phosphor. <i>Materials Research Bulletin</i> , 2017 , 86, 63-71	5.1	37
5	Novel Magnetically Separable Fe ₃ O ₄ @ZnO Core-Shell Nanocomposite for UV and Visible Light Photocatalysis. <i>Advanced Science Letters</i> , 2017 , 23, 1724-1729	0.1	5
4	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> , 2017 , 23, 1714-1717	0.1	
3	Diffusion-controlled growth of CuAl ₂ O ₄ nanoparticles: effect of sintering and photodegradation of methyl orange. <i>Journal of Experimental Nanoscience</i> , 2016 , 11, 1227-1241	1.9	19
2	Adsorptive CuO/CuAl ₂ O ₄ Nanoparticles for the Separation of Aqueous Methyl Orange. <i>Nano Hybrids and Composites</i> , 2016 , 12, 21-32	0.7	
1	Magnetically separable core-shell ZnFe ₂ O ₄ @ZnO nanoparticles for visible light photodegradation of methyl orange. <i>Materials Research Bulletin</i> , 2016 , 77, 70-77	5.1	65