

Muralikrishna Molli

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

231
citations

1040056

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996975

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all docs

23
docs citations

23
times ranked

371
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, characterization and nonlinear optical properties of symmetrically substituted dibenzylideneacetone derivatives. <i>Chemical Physics Letters</i> , 2014, 616-617, 142-147.	2.6	31
2	Optical limiting and nonlinear optical properties of gold-decorated graphene nanocomposites. <i>Optical Materials</i> , 2015, 39, 182-187.	3.6	30
3	Gold Decorated Graphene by Laser Ablation for Efficient Electrocatalytic Oxidation of Methanol and Ethanol. <i>Electroanalysis</i> , 2014, 26, 1850-1857.	2.9	24
4	Single step preparation of nano size gamma alumina exhibiting enhanced fluoride adsorption. <i>Materials Express</i> , 2014, 4, 235-241.	0.5	17
5	Excited state assisted three-photon absorption based optical limiting in nanocrystalline Cu ₂ Se and FeSe ₂ . <i>Optics Communications</i> , 2013, 304, 75-79.	2.1	15
6	Enhanced dielectric properties and energy storage density of interface controlled ferroelectric BCZT-epoxy nanocomposites. <i>Composite Interfaces</i> , 2017, 24, 663-675.	2.3	14
7	Study of nonlinear optical absorption properties of V ₂ O ₅ nanoparticles in the femtosecond excitation regime. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	12
8	Low-Cost Plasmonic Carbon Spacer for Surface Plasmon-Coupled Emission Enhancements and Ethanol Detection: a Smartphone Approach. <i>Plasmonics</i> , 2018, 13, 519-524.	3.4	11
9	Solvothermal synthesis and study of nonlinear optical properties of nanocrystalline thallium doped bismuth telluride. <i>Journal of Solid State Chemistry</i> , 2012, 189, 85-89.	2.9	10
10	Investigation of nonlinear optical and photocatalytic properties of sol-gel derived KBiFe ₂ O ₅ . <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 11451-11457.	2.2	9
11	Study of nonlinear optical absorption properties of Sb ₂ Se ₃ nanoparticles in the nanosecond and femtosecond excitation regime. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	8
12	Effect of La doping on structural, magnetic, and optical properties of KBiFe ₂ O ₅ . <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 4318-4325.	2.2	8
13	DFT Study on the Carrier Concentration and Temperature-Dependent Thermoelectric Properties of Antimony Selenide. <i>Indian Journal of Materials Science</i> , 2016, 2016, 1-7.	0.6	7
14	Nanoporous hierarchical carbon structures derived from fungal basidiocarps for high performance supercapacitors. <i>Energy Storage</i> , 2019, 1, e58.	4.3	7
15	Magnetic, optical and photocatalytic properties of yttrium doped KBiFe ₂ O ₅ . <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	7
16	Effect of different complexing agents on the magnetic, optical and photocatalytic properties of sol-gel synthesized KBiFe ₂ O ₅ . <i>Bulletin of Materials Science</i> , 2021, 44, 1.	1.7	7
17	The polylogarithm and the Lambert W functions in thermoelectrics. <i>Canadian Journal of Physics</i> , 2011, 89, 1171-1178.	1.1	6
18	Synthesis of novel g-C ₃ N ₄ /KBiFe ₂ O ₅ composite with enhanced photocatalytic efficiency. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	1.7	4

#	ARTICLE	IF	CITATIONS
19	Vanadium pentoxide nanoparticles based saturable absorbers. , 2012, , .		3
20	Optical and vibrational spectroscopy of Ba _{0.85} Ca _{0.15} Zr _{0.1} Ti _{0.9} O ₃ modified lithium borate glass ceramics. AIP Conference Proceedings, 2018, , .	0.4	1
21	Studies on temperature coefficient of resistivity of Cu ₂ Se – V ₂ O ₅ nanocomposite. AIP Conference Proceedings, 2018, , .	0.4	0
22	Studies on temperature coefficient of resistivity of graphite – V ₂ O ₅ nanocomposites. AIP Conference Proceedings, 2018, , .	0.4	0
23	Super dielectric property observed in nanocomposite of magnetic iron oxide and tin oxide. AIP Conference Proceedings, 2019, , .	0.4	0