

Jayabal P

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

565
citations

1039406

9
h-index

940134

16
g-index

16
all docs

16
docs citations

16
times ranked

1020
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of few layer graphene by direct exfoliation of graphite and a Raman spectroscopic study. AIP Advances, 2014, 4, .	0.6	170
2	A facile hydrothermal synthesis of SrTiO ₃ for dye sensitized solar cell application. Journal of Alloys and Compounds, 2014, 586, 456-461.	2.8	111
3	Synthesis of ZnO decorated graphene nanocomposite for enhanced photocatalytic properties. Journal of Applied Physics, 2014, 115, .	1.1	79
4	Biomass-derived functional porous carbons as novel electrode material for the practical detection of biomolecules in human serum and snail hemolymph. Scientific Reports, 2015, 5, 10141.	1.6	66
5	Pumpkin stem-derived activated carbons as counter electrodes for dye-sensitized solar cells. RSC Advances, 2014, 4, 63917-63921.	1.7	31
6	Preparation and characterization of ZnO/graphene nanocomposite for improved photovoltaic performance. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	25
7	Synthesis of the graphene-ZnTiO ₃ nanocomposite for solar light assisted photodegradation of methylene blue. Journal Physics D: Applied Physics, 2015, 48, 415305.	1.3	22
8	Effect of microwave power irradiation on TiO ₂ nano-structures and binder free paste screen printed dye sensitized solar cells. Ceramics International, 2019, 45, 4667-4673.	2.3	20
9	Microwave assisted synthesis of zinc stannate nanocubes for dye sensitized solar cell application. Superlattices and Microstructures, 2014, 75, 775-784.	1.4	11
10	Determination of association constant of host-guest supramolecular complex (molecular) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 1 Molecular and Biomolecular Spectroscopy, 2015, 151, 707-711.	2.0	10
11	Effect of electronic-insulating oxides overlayer on the performance of zinc oxide based dye sensitized solar cells. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 305, 37-44.	2.0	7
12	Molecular recognition study of Carbamazepine, antiseizure drug, by p-t-butyl calix(8)arene. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 122, 447-450.	2.0	5
13	Synthesis and characterization of Ni/Ag nanocomposite for surface enhanced Raman scattering measurement. Materials Research Express, 2015, 2, 065003.	0.8	3
14	Molecular recognition of curcumin (Indian Ayurvedic medicine) by the supramolecular probe, p-t-butyl calix(8)arene. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 127, 172-176.	2.0	2
15	Hydrothermal synthesis of TiO ₂ -ZnO-graphene nanocomposite towards photocatalytic and photovoltaic applications. AIP Conference Proceedings, 2015, , .	0.3	2
16	Zinc oxide formation in galvanized metallic wire by simple selective growth method. Superlattices and Microstructures, 2015, 82, 327-335.	1.4	1