

# Jayabal P

## List of Publications by Year in descending order

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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	Effect of microwave power irradiation on TiO <sub>2</sub> nano-structures and binder free paste screen printed dye sensitized solar cells. <i>Ceramics International</i> , 2019, 45, 4667-4673.	2.3	20
2	Hydrothermal synthesis of TiO <sub>2</sub> -ZnO-graphene nanocomposite towards photocatalytic and photovoltaic applications. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	2
3	Biomass-derived functional porous carbons as novel electrode material for the practical detection of biomolecules in human serum and snail hemolymph. <i>Scientific Reports</i> , 2015, 5, 10141.	1.6	66
4	Synthesis and characterization of Ni/Ag nanocomposite for surface enhanced Raman scattering measurement. <i>Materials Research Express</i> , 2015, 2, 065003.	0.8	3
5	Zinc oxide formation in galvanized metallic wire by simple selective growth method. <i>Superlattices and Microstructures</i> , 2015, 82, 327-335.	1.4	1
6	Determination of association constant of host-guest supramolecular complex (molecular) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 T Molecular and Biomolecular Spectroscopy, 2015, 151, 707-711.	2.0	10
7	Effect of electronic-insulating oxides overlayer on the performance of zinc oxide based dye sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 305, 37-44.	2.0	7
8	Synthesis of the graphene-ZnTiO <sub>3</sub> nanocomposite for solar light assisted photodegradation of methylene blue. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 415305.	1.3	22
9	Synthesis of few layer graphene by direct exfoliation of graphite and a Raman spectroscopic study. <i>AIP Advances</i> , 2014, 4, .	0.6	170
10	A facile hydrothermal synthesis of SrTiO <sub>3</sub> for dye sensitized solar cell application. <i>Journal of Alloys and Compounds</i> , 2014, 586, 456-461.	2.8	111
11	Preparation and characterization of ZnO/graphene nanocomposite for improved photovoltaic performance. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	25
12	Pumpkin stem-derived activated carbons as counter electrodes for dye-sensitized solar cells. <i>RSC Advances</i> , 2014, 4, 63917-63921.	1.7	31
13	Microwave assisted synthesis of zinc stannate nanocubes for dye sensitized solar cell application. <i>Superlattices and Microstructures</i> , 2014, 75, 775-784.	1.4	11
14	Synthesis of ZnO decorated graphene nanocomposite for enhanced photocatalytic properties. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	79
15	Molecular recognition of curcumin (Indian Ayurvedic medicine) by the supramolecular probe, p-t-butyl calix(8)arene. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 127, 172-176.	2.0	2
16	Molecular recognition study of Carbamazepine, antiseizure drug, by p-t-butyl calix(8)arene. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 122, 447-450.	2.0	5