

Abhinandan Makhal

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11887873/publications.pdf>

Version: 2024-02-01

15
papers

569
citations

840776

11
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

1000
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoselective excited state dynamics in ZnO@Au nanocomposites and their implications in photocatalysis and dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 12488.	2.8	96
2	A Molecular Tetrad That Generates a High-Energy Charge-Separated State by Mimicking the Photosynthetic Z-Scheme. <i>Journal of the American Chemical Society</i> , 2016, 138, 3752-3760.	13.7	66
3	Hematoporphyrin@ZnO Nanohybrids: Twin Applications in Efficient Visible-Light Photocatalysis and Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 7027-7035.	8.0	59
4	Modulation of defect-mediated energy transfer from ZnO nanoparticles for the photocatalytic degradation of bilirubin. <i>Beilstein Journal of Nanotechnology</i> , 2013, 4, 714-725.	2.8	53
5	Role of Resonance Energy Transfer in Light Harvesting of Zinc Oxide-Based Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2010, 114, 10390-10395.	3.1	50
6	Dual-Sensitization via Electron and Energy Harvesting in CdTe Quantum Dots Decorated ZnO Nanorod-Based Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2012, 116, 14248-14256.	3.1	50
7	Light Harvesting Semiconductor Core@Shell Nanocrystals: Ultrafast Charge Transport Dynamics of CdSe@ZnS Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2010, 114, 627-632.	3.1	46
8	Dynamics of light harvesting in ZnO nanoparticles. <i>Nanotechnology</i> , 2010, 21, 265703.	2.6	45
9	Nanoparticle-Sensitized Photodegradation of Bilirubin and Potential Therapeutic Application. <i>Journal of Physical Chemistry C</i> , 2012, 116, 9608-9615.	3.1	29
10	Toward an Alternative Intrinsic Probe for Spectroscopic Characterization of a Protein. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15236-15243.	2.6	25
11	Protein-Mediated Synthesis of Nanosized Mn-Doped ZnS: A Multifunctional, UV-Durable Bio-Nanocomposite. <i>Inorganic Chemistry</i> , 2012, 51, 10203-10210.	4.0	21
12	Ultrafast dynamics of excitons in semiconductor quantum dots on a plasmonically active nano-structured silver film. <i>Nanotechnology</i> , 2011, 22, 195704.	2.6	10
13	Tris-bipyridine based dinuclear ruthenium(II)-osmium(III) complex dyads grafted onto TiO ₂ nanoparticles for mimicking the artificial photosynthetic Z-scheme. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 4778-4786.	2.8	8
14	A versatile fiber-optic coupled system for sensitive optical spectroscopy in strong ambient light. <i>Review of Scientific Instruments</i> , 2009, 80, 053109.	1.3	7
15	Ultrafast excited state deactivation of doped porous anodic alumina membranes. <i>Nanotechnology</i> , 2012, 23, 305705.	2.6	4