

Sameer Patwardhan

List of Publications by Year in descending order

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21
papers

1,359
citations

394421

19
h-index

713466

21
g-index

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all docs

21
docs citations

21
times ranked

2607
citing authors

#	ARTICLE	IF	CITATIONS
1	Light-Harvesting and Ultrafast Energy Migration in Porphyrin-Based Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2013, 135, 862-869.	13.7	510
2	Biosupramolecular Nanowires from Chlorophyll Dyes with Exceptional Charge Transport Properties. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6378-6382.	13.8	88
3	Understanding Structure-Mobility Relations for Perylene Tetracarboxydiimide Derivatives. <i>Journal of the American Chemical Society</i> , 2009, 131, 11426-11432.	13.7	86
4	Delocalization and Mobility of Charge Carriers in Covalent Organic Frameworks. <i>Journal of Physical Chemistry C</i> , 2011, 115, 11768-11772.	3.1	73
5	Quasi Temperature Independent Electron Mobility in Hexagonal Columnar Mesophases of an H-Bonded Benzotrithiophene Derivative. <i>Chemistry of Materials</i> , 2010, 22, 1420-1428.	6.7	72
6	Theoretical Investigation of Charge Transfer in Metal Organic Frameworks for Electrochemical Device Applications. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24238-24247.	3.1	64
7	Mechanism of Charge Transport along Zinc Porphyrin-Based Molecular Wires. <i>Journal of the American Chemical Society</i> , 2009, 131, 5522-5529.	13.7	59
8	Effect of Cation Rotation on Charge Dynamics in Hybrid Lead Halide Perovskites. <i>Journal of Physical Chemistry C</i> , 2016, 120, 16577-16585.	3.1	54
9	Efficient Charge Transport in Semisynthetic Zinc Chlorin Dye Assemblies. <i>Journal of the American Chemical Society</i> , 2012, 134, 16147-16150.	13.7	47
10	Self-assembly and semiconductivity of an oligothiophene supergelator. <i>Beilstein Journal of Organic Chemistry</i> , 2010, 6, 1070-1078.	2.2	40
11	Light-Harvesting "Antenna" Behavior in NU-1000. <i>ACS Energy Letters</i> , 2021, 6, 848-853.	17.4	40
12	Metal Oxide Nanoparticle Growth on Graphene via Chemical Activation with Atomic Oxygen. <i>Journal of the American Chemical Society</i> , 2013, 135, 18121-18125.	13.7	33
13	Introducing Perovskite Solar Cells to Undergraduates. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 251-255.	4.6	33
14	Theoretical Investigation of Intramolecular Magnetic Interaction through an Ethylenic Coupler. <i>Journal of Physical Chemistry A</i> , 2005, 109, 4213-4215.	2.5	28
15	Theoretical Study of the Optical Properties of Artificial Self-Assembled Zinc Chlorins. <i>Journal of Physical Chemistry C</i> , 2010, 114, 20834-20842.	3.1	24
16	Effect of Structural Dynamics and Base Pair Sequence on the Nature of Excited States in DNA Hairpins. <i>Journal of Physical Chemistry B</i> , 2012, 116, 11447-11458.	2.6	22
17	The effect of the magnitude and direction of the dipoles of organic cations on the electronic structure of hybrid halide perovskites. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 16564-16572.	2.8	22
18	Atomic Layer Deposition Nucleation on Isolated Self-Assembled Monolayer Functional Groups: A Combined DFT and Experimental Study. <i>ACS Applied Energy Materials</i> , 2019, 2, 4618-4628.	5.1	20

#	ARTICLE	IF	CITATIONS
19	Columnar Mesophases Based on Zinc Chlorophyll Derivatives Functionalized with Peripheral Dendron Wedges. <i>Chemistry - A European Journal</i> , 2011, 17, 5300-5310.	3.3	19
20	Structure and Electronic Spectra of Purine-Methyl Viologen Charge Transfer Complexes. <i>Journal of Physical Chemistry B</i> , 2014, 118, 125-133.	2.6	18
21	Does the Mode of Metal-Organic Framework/Electrode Adhesion Determine Rates for Redox-Hopping-Based Charge Transport within Thin-Film Metal-Organic Frameworks?. <i>Journal of Physical Chemistry C</i> , 2022, 126, 4601-4611.	3.1	7