

Sanchita Sengupta

List of Publications by Citations

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24
papers

738
citations

13
h-index

27
g-index

27
ext. papers

814
ext. citations

7.4
avg, IF

4.19
L-index

#	Paper	IF	Citations
24	Chlorophyll J-aggregates: from bioinspired dye stacks to nanotubes, liquid crystals, and biosupramolecular electronics. <i>Accounts of Chemical Research</i> , 2013 , 46, 2498-512	24.3	166
23	Biosupramolecular nanowires from chlorophyll dyes with exceptional charge-transport properties. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6378-82	16.4	83
22	Structure-property relationships for self-assembled zinc chlorin light-harvesting dye aggregates. <i>Chemistry - A European Journal</i> , 2008 , 14, 7791-807	4.8	73
21	Synthesis of regioisomerically pure 1,7-dibromoperylene-3,4,9,10-tetracarboxylic acid derivatives. <i>Journal of Organic Chemistry</i> , 2014 , 79, 6655-62	4.2	65
20	Zinc chlorins for artificial light-harvesting self-assemble into antiparallel stacks forming a microcrystalline solid-state material. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 11472-7	11.5	61
19	Facile synthesis, fluorescence, and photochromism of novel helical pyrones and chromenes. <i>Organic Letters</i> , 2006 , 8, 4891-4	6.2	46
18	Efficient charge transport in semisynthetic zinc chlorin dye assemblies. <i>Journal of the American Chemical Society</i> , 2012 , 134, 16147-50	16.4	44
17	Tunable and highly efficient light-harvesting antenna systems based on 1,7-perylene-3,4,9,10-tetracarboxylic acid derivatives. <i>Chemical Science</i> , 2016 , 7, 3517-3532	9.4	29
16	Theoretical Study of the Optical Properties of Artificial Self-Assembled Zinc Chlorins. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 20834-20842	3.8	23
15	Dual emissive bodipy-benzodithiophene-bodipy TICT triad with a remarkable Stokes shift of 194 nm. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 2033-2038	3.9	21
14	Cyclic self-assembled structures of chlorophyll dyes on HOPG by the dendron wedge effect. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 7825-8	16.4	21
13	Columnar mesophases based on zinc chlorophyll derivatives functionalized with peripheral dendron wedges. <i>Chemistry - A European Journal</i> , 2011 , 17, 5300-10	4.8	18
12	Regioisomeric BODIPY Benzodithiophene Dyads and Triads with Tunable Red Emission as Ratiometric Temperature and Viscosity Sensors. <i>Chemistry - A European Journal</i> , 2019 , 25, 14870-14880	4.8	15
11	Covalently stabilized self-assembled chlorophyll nanorods by olefin metathesis. <i>Chemical Communications</i> , 2012 , 48, 5730-2	5.8	13
10	Biosupramolecular Nanowires From Chlorophyll Dyes with Exceptional Charge-Transport Properties. <i>Angewandte Chemie</i> , 2012 , 124, 6484-6488	3.6	13
9	Regioisomeric donor-acceptor-donor triads based on benzodithiophene and BODIPY with distinct optical properties and mobilities. <i>RSC Advances</i> , 2016 , 6, 73645-73649	3.7	12
8	Electrodeposition of β -phase based Cu_nSn mirror alloy from sulfate-aqueous electrolyte for solar reflector application. <i>Applied Thermal Engineering</i> , 2016 , 109, 1003-1010	5.8	11

7	Effect of structural isomerism in BODIPY based donor-acceptor co-polymers on their photovoltaic performance. <i>Solar Energy</i> , 2019 , 186, 215-224	6.8	7
6	Cyclic Self-Assembled Structures of Chlorophyll Dyes on HOPG by the Dendron Wedge Effect. <i>Angewandte Chemie</i> , 2009 , 121, 7965-7968	3.6	6
5	Structure-property relationships in multi-stimuli responsive BODIPY-biphenyl-benzodithiophene TICT rigidochromic rotors exhibiting (pseudo-)Stokes shifts up to 221 nm. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 25514-25521	3.6	4
4	Efficient electron transporting and panchromatic absorbing FRET cassettes based on aza-BODIPY and perylene diimide towards multiple metal FRET-Off sensing and ratiometric temperature sensing. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 4607-4618	7.1	4
3	Multi-stimuli programmable FRET based RGB absorbing antennae towards ratiometric temperature, pH and multiple metal ion sensing.. <i>Chemical Science</i> , 2021 , 12, 15533-15542	9.4	1
2	Excited state dynamics of BODIPY-based acceptor-donor-acceptor systems: a combined experimental and computational study. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 8900-8907	3.6	1
1	Structure-Property Correlation of C10-(H)-Arylated-N-(pyren-1-yl)-picolinamide Regioisomers towards Cu ²⁺ and Fe ³⁺ Sensing. <i>ChemistrySelect</i> , 2021 , 6, 12022-12031	1.8	0