

Sanchita Sengupta

List of Publications by Year in descending order

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papers

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citations

623734
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all docs

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27
times ranked

1197
citing authors

#	ARTICLE	IF	CITATIONS
1	Chlorophyll J-Aggregates: From Bioinspired Dye Stacks to Nanotubes, Liquid Crystals, and Biosupramolecular Electronics. <i>Accounts of Chemical Research</i> , 2013, 46, 2498-2512.	15.6	201
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	Structure-Property Relationships for Self-Assembled Zinc Chlorin Light-Harvesting Dye Aggregates. <i>Chemistry - A European Journal</i> , 2008, 14, 7791-7807.	3.3	82
4	Synthesis of Regioisomerically Pure 1,7-Dibromoperylene-3,4,9,10-tetracarboxylic Acid Derivatives. <i>Journal of Organic Chemistry</i> , 2014, 79, 6655-6662.	3.2	78
5	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, 11472-11477.	7.1	67
6	Facile Synthesis, Fluorescence, and Photochromism of Novel Helical Pyrones and Chromenes. <i>Organic Letters</i> , 2006, 8, 4891-4894.	4.6	51
7	Efficient Charge Transport in Semisynthetic Zinc Chlorin Dye Assemblies. <i>Journal of the American Chemical Society</i> , 2012, 134, 16147-16150.	13.7	47
8	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.	7.4	36
9	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.	3.3	28
10	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
11	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.	2.8	22
12	Cyclic Self-Assembled Structures of Chlorophyll Dyes on HOPG by the Dendron Wedge Effect. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7825-7828.	13.8	21
13	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
14	Covalently stabilized self-assembled chlorophyll nanorods by olefin metathesis. <i>Chemical Communications</i> , 2012, 48, 5730.	4.1	16
15	Regioisomeric donor-acceptor triads based on benzodithiophene and BODIPY with distinct optical properties and mobilities. <i>RSC Advances</i> , 2016, 6, 73645-73649.	3.6	15
16	Efficient electron transporting and panchromatic absorbing FRET cassettes based on aza-BODIPY and perylenediimide towards multiple metal FRET-Off sensing and ratiometric temperature sensing. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4607-4618.	5.5	13
17	Electrodeposition of β -phase based Cu-Sn mirror alloy from sulfate-aqueous electrolyte for solar reflector application. <i>Applied Thermal Engineering</i> , 2016, 109, 1003-1010.	6.0	12
18	Effect of structural isomerism in BODIPY based donor-acceptor co-polymers on their photovoltaic performance. <i>Solar Energy</i> , 2019, 186, 215-224.	6.1	12

#	ARTICLE	IF	CITATIONS
19	Multi-stimuli programmable FRET based RGB absorbing antennae towards ratiometric temperature, pH and multiple metal ion sensing. Chemical Science, 2021, 12, 15533-15542.	7.4	12
20	Structure–property relationships in multi-stimuli responsive BODIPY-biphenyl-benzodithiophene TICT rigidochromic rotors exhibiting (pseudo-)Stokes shifts up to 221 nm. Physical Chemistry Chemical Physics, 2020, 22, 25514-25521.	2.8	9
21	Excited state dynamics of BODIPY-based acceptor–donor–acceptor systems: a combined experimental and computational study. Physical Chemistry Chemical Physics, 2021, 23, 8900-8907.	2.8	5
22	Structure–Property Correlation of C10(H)–Arylated–CN–(pyren–1–yl)–picolinamide Regioisomers towards Cu ²⁺ and Fe ³⁺ Sensing. ChemistrySelect, 2021, 6, 12022-12031.	1.5	2
23	Unravelling the excited state dynamics of monofunctionalized mono- and distyryl-BODIPY and perylene diimide dyads. Journal of Materials Chemistry C, 0, , .	5.5	1
24	Effect of structural isomerism on charge transport in copolymer of BODIPY and Benzodithiophene. , 2016, , .		0
25	Flexural and bending fatigue studies of perovskite solar cells on Willow Glass substrates. , 2018, , .		0