Shengnan Duan

List of Publications by Year
in descending order

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12	339	1307594 7	1199594 12
papers	citations	h-index	g-index

12	12	12	411
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quasi-Bilayer All-Small-Molecule Solar Cells Based on a Chlorophyll Derivative and Non-Fullerene Materials with Untraditional Energy Alignments. Journal of Physical Chemistry C, 2022, 126, 4807-4814.	3.1	2
2	Hydroquinone redox mediator enhances the photovoltaic performances of chlorophyll-based bio-inspired solar cells. Communications Chemistry, 2021, 4, .	4.5	10
3	Charge Generation and Transfer Mechanism of Bilayer Organic Photovoltaics with Unconventional Energy Alignment. Journal of Physical Chemistry C, 2021, 125, 25680-25686.	3.1	7
4	Charge-Transfer Mechanism in Chlorophyll Derivative-based Biosolar Cells with Hole-Transporting P3HT Revealed by Sub-Picosecond Transient Absorption Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 27900-27906.	3.1	1
5	Synthesis of C3/C13â€Substituted Semiâ€Synthetic Bacteriochlorophyllâ€a Derivatives and Their Properties as Functional Dyes. ChemPhotoChem, 2020, 4, 5399-5407.	3.0	3
6	Semisynthetic Chlorophyll Derivatives Toward Solar Energy Applications. Solar Rrl, 2020, 4, 2000162.	5.8	43
7	Bilayer chlorophyll derivatives as efficient hole-transporting layers for perovskite solar cells. Materials Chemistry Frontiers, 2019, 3, 2357-2362.	5.9	16
8	Organic Solar Cells Based on the Aggregate of Synthetic Chlorophyll Derivative with over 5% Efficiency. Solar Rrl, 2019, 3, 1900203.	5.8	13
9	Charge transfer dynamics in chlorophyll-based biosolar cells. Physical Chemistry Chemical Physics, 2019, 21, 22563-22568.	2.8	6
10	2D MXenes as Co-catalysts in Photocatalysis: Synthetic Methods. Nano-Micro Letters, 2019, 11, 79.	27.0	160
11	Trilayer Chlorophyll-Based Cascade Biosolar Cells. ACS Energy Letters, 2019, 4, 384-389.	17.4	32
12	Bilayer Chlorophyll-Based Biosolar Cells Inspired from the Z-Scheme Process of Oxygenic Photosynthesis. ACS Energy Letters, 2018, 3, 1708-1712.	17.4	46