

Shengnan Duan

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

339
citations

1307594

7
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

411
citing authors

#	ARTICLE	IF	CITATIONS
1	2D MXenes as Co-catalysts in Photocatalysis: Synthetic Methods. <i>Nano-Micro Letters</i> , 2019, 11, 79.	27.0	160
2	Bilayer Chlorophyll-Based Biosolar Cells Inspired from the Z-Scheme Process of Oxygenic Photosynthesis. <i>ACS Energy Letters</i> , 2018, 3, 1708-1712.	17.4	46
3	Semisynthetic Chlorophyll Derivatives Toward Solar Energy Applications. <i>Solar Rrl</i> , 2020, 4, 2000162.	5.8	43
4	Trilayer Chlorophyll-Based Cascade Biosolar Cells. <i>ACS Energy Letters</i> , 2019, 4, 384-389.	17.4	32
5	Bilayer chlorophyll derivatives as efficient hole-transporting layers for perovskite solar cells. <i>Materials Chemistry Frontiers</i> , 2019, 3, 2357-2362.	5.9	16
6	Organic Solar Cells Based on the Aggregate of Synthetic Chlorophyll Derivative with over 5% Efficiency. <i>Solar Rrl</i> , 2019, 3, 1900203.	5.8	13
7	Hydroquinone redox mediator enhances the photovoltaic performances of chlorophyll-based bio-inspired solar cells. <i>Communications Chemistry</i> , 2021, 4, .	4.5	10
8	Charge Generation and Transfer Mechanism of Bilayer Organic Photovoltaics with Unconventional Energy Alignment. <i>Journal of Physical Chemistry C</i> , 2021, 125, 25680-25686.	3.1	7
9	Charge transfer dynamics in chlorophyll-based biosolar cells. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 22563-22568.	2.8	6
10	Synthesis of C3/C13 ¹⁸ C ₂ -Substituted Semi-synthetic Bacteriochlorophyll ¹⁸ Derivatives and Their Properties as Functional Dyes. <i>ChemPhotoChem</i> , 2020, 4, 5399-5407.	3.0	3
11	Quasi-Bilayer All-Small-Molecule Solar Cells Based on a Chlorophyll Derivative and Non-Fullerene Materials with Untraditional Energy Alignments. <i>Journal of Physical Chemistry C</i> , 2022, 126, 4807-4814.	3.1	2
12	Charge-Transfer Mechanism in Chlorophyll Derivative-based Biosolar Cells with Hole-Transporting P3HT Revealed by Sub-Picosecond Transient Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 27900-27906.	3.1	1