

Ling Ai

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

861
citations

933447

10
h-index

940533

16
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16
all docs

16
docs citations

16
times ranked

1490
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient polymer solar cells employing a non-conjugated small-molecule electrolyte. <i>Nature Photonics</i> , 2015, 9, 520-524.	31.4	412
2	Novel "Hot Exciton" Blue Fluorophores for High Performance Fluorescent/Phosphorescent Hybrid White Organic Light-Emitting Diodes with Superhigh Phosphorescent Dopant Concentration and Improved Efficiency Roll-Off. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7869-7877.	8.0	128
3	A Universal Route to Realize Radiative Cooling and Light Management in Photovoltaic Modules. <i>Solar Rrl</i> , 2017, 1, 1700084.	5.8	78
4	Solution-Processed Transparent Conducting Electrodes for Flexible Organic Solar Cells with 16.61% Efficiency. <i>Nano-Micro Letters</i> , 2021, 13, 44.	27.0	71
5	Preparation of humidity, abrasion, and dust resistant antireflection coatings for photovoltaic modules via dual precursor modification and hybridization of hollow silica nanospheres. <i>Solar Energy Materials and Solar Cells</i> , 2019, 192, 188-196.	6.2	39
6	Universal Low-Temperature Process for Preparation of Multifunctional High-Performance Antireflective Mesoporous Silica Coatings on Transparent Polymeric Substrates. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 4993-4999.	8.0	33
7	Highly efficient polymer solar cells using a non-conjugated small-molecule zwitterion with enhancement of electron transfer and collection. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14944-14948.	10.3	21
8	Anthradithiophene-benzothiadiazole-based small molecule donors for organic solar cells. <i>New Journal of Chemistry</i> , 2013, 37, 3627.	2.8	16
9	Synthesis, crystal structure, and polymerization of butterfly-shaped thieno[3,2-b]thiophene oligomers. <i>New Journal of Chemistry</i> , 2013, 37, 1189.	2.8	12
10	Benzo-thieno[2,3-b]thiophene semiconductors: synthesis, characterization and applications in organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8804-8810.	5.5	10
11	UV-cured organic-inorganic composites for highly durable and flexible antireflection coatings. <i>Applied Surface Science</i> , 2022, 584, 152600.	6.1	10
12	Multi-channel interface dipole of hyperbranched polymers with quasi-immovable hydron to modification of cathode interface for high-efficiency polymer solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , 2016, 24, 1044-1054.	8.1	9
13	Aqueous solution processed mesoporous silica-gated photo-perception neuromorphic transistor. <i>Journal of Materials Science</i> , 2021, 56, 4316-4327.	3.7	8
14	Synthesis and Photovoltaic Properties of New Multifused Anthradithiophene-Based Narrow-Bandgap D-A Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1287-1296.	2.2	7
15	Novel Ag-Mesh Transparent Hybrid Electrodes for Highly Efficient and Mechanically Stable Flexible Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	5
16	Enhanced high-open circuit voltage in fluorinated benzoselenadiazole-based polymer solar cells. <i>High Performance Polymers</i> , 2016, 28, 401-410.	1.8	2