Ling Ai

List of Publications by Year
in descending order

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16 papers	861 citations	933447 10 h-index	940533 16 g-index
16 all docs	16 docs citations	16 times ranked	1490 citing authors

#	Article	IF	Citations
1	UV-cured organicâ€“inorganic composites for highly durable and flexible antireflection coatings. Applied Surface Science, 2022, 584, 152600.	6.1	10
2	Novel Agâ€Mesh Transparent Hybrid Electrodes for Highly Efficient and Mechanically Stable Flexible Perovskite Solar Cells. Advanced Materials Interfaces, 2022, 9, .	3.7	5
3	Aqueous solution processed mesoporous silica-gated photo-perception neuromorphic transistor. Journal of Materials Science, 2021, 56, 4316-4327.	3.7	8
4	Solution-Processed Transparent Conducting Electrodes for Flexible Organic Solar Cells with 16.61% Efficiency. Nano-Micro Letters, 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. Solar Energy Materials and Solar Cells, 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. ACS Applied Materials & Interfaces, 2018, 10, 4993-4999.	8.0	33
7	A Universal Route to Realize Radiative Cooling and Light Management in Photovoltaic Modules. Solar Rrl, 2017, 1, 1700084.	5.8	78
8	Multi-channel interface dipole of hyperbranched polymers with quasi-immovable hydrion to modification of cathode interface for high-efficiency polymer solar cells. Progress in Photovoltaics: Research and Applications, 2016, 24, 1044-1054.	8.1	9
9	Highly efficient polymer solar cells using a non-conjugated small-molecule zwitterion with enhancement of electron transfer and collection. Journal of Materials Chemistry A, 2016, 4, 14944-14948.	10.3	21
10	Enhanced high-open circuit voltage in fluorinated benzoselenadiazole-based polymer solar cells. High Performance Polymers, 2016, 28, 401-410.	1.8	2
11	Efficient polymer solar cells employing a non-conjugated small-molecule electrolyte. Nature Photonics, 2015, 9, 520-524.	31.4	412
12	Novel â€œHot Excitonâ€•Blue Fluorophores for High Performance Fluorescent/Phosphorescent Hybrid White Organic Light-Emitting Diodes with Superhigh Phosphorescent Dopant Concentration and Improved Efficiency Roll-Off. ACS Applied Materials & Interfaces, 2015, 7, 7869-7877.	8.0	128
13	Synthesis and Photovoltaic Properties of New Multifused Anthradithiopheneâ€Based Narrowâ€Bandgap Dâ€“A Copolymers. Macromolecular Chemistry and Physics, 2014, 215, 1287-1296.	2.2	7
14	Benzothieno[2,3-b]thiophene semiconductors: synthesis, characterization and applications in organic field-effect transistors. Journal of Materials Chemistry C, 2014, 2, 8804-8810.	5.5	10
15	Anthradithiophene-benzothiadiazole-based small molecule donors for organic solar cells. New Journal of Chemistry, 2013, 37, 3627.	2.8	16
16	Synthesis, crystal structure, and polymerization of butterfly-shaped thieno[3,2-b]thiophene oligomers. New Journal of Chemistry, 2013, 37, 1189.	2.8	12