

Laura Ciammaruchi

List of Publications by Year in descending order

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19
papers

371
citations

759233

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20
times ranked

1079
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymorphism in Non-Fullerene Acceptors Based on Indacenodithienothiophene. <i>Advanced Functional Materials</i> , 2021, 31, 2103784.	14.9	33
2	A liquid-crystalline non-fullerene acceptor enabling high-performance organic solar cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26917-26928.	10.3	5
3	Investigating Thermoelectric Stability under Encapsulation Using PEI-Doped CNT Films as a Model System. <i>Advanced Materials Technologies</i> , 2020, 5, 2000256.	5.8	7
4	Structure dependent photostability of ITIC and ITIC-4F. <i>Materials Advances</i> , 2020, 1, 2846-2861.	5.4	25
5	Water splitting of hydrogen chemisorbed in graphene oxide dynamically evolves into a graphane lattice. <i>Carbon</i> , 2019, 153, 234-241.	10.3	12
6	What can we learn from model systems: Impact of polymer backbone structure on performance and stability of organic photovoltaics. <i>Polymer</i> , 2019, 183, 121849.	3.8	13
7	Impact of P3HT materials properties and layer architecture on OPV device stability. <i>Solar Energy Materials and Solar Cells</i> , 2019, 202, 110151.	6.2	17
8	Inverse Optical Cavity Design for Ultrabroadband Light Absorption Beyond the Conventional Limit in Low-Bandgap Nonfullerene Acceptor-Based Solar Cells. <i>Advanced Energy Materials</i> , 2019, 9, 1900463.	19.5	24
9	Mononuclear Lanthanide(III)-Salicylideneaniline Complexes: Synthetic, Structural, Spectroscopic, and Magnetic Studies. <i>Magnetochemistry</i> , 2018, 4, 45.	2.4	12
10	Stability of organic solar cells with PCDTBT donor polymer: An interlaboratory study. <i>Journal of Materials Research</i> , 2018, 33, 1909-1924.	2.6	17
11	Outdoor operation of small-molecule organic photovoltaics. <i>Organic Electronics</i> , 2017, 41, 274-279.	2.6	17
12	High open-circuit voltage and short-circuit current flexible polymer solar cells using ternary blends and ultrathin Ag-based transparent electrodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25476-25484.	10.3	25
13	Reliability of Small Molecule Organic Photovoltaics with Electron-Filtering Compound Buffer Layers. <i>Advanced Energy Materials</i> , 2016, 6, 1601094.	19.5	28
14	Effect of Halide Composition on the Photochemical Stability of Perovskite Photovoltaic Materials. <i>ChemSusChem</i> , 2016, 9, 2572-2577.	6.8	62
15	Baselines for Lifetime of Organic Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1600910.	19.5	42
16	Delineation of degradation patterns of C60-based organic solar cells under different environments. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	3
17	Degradation of electrical properties of small molecule organic solar cells under oxygen and moisture. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1695, 9.	0.1	1
18	Acceleration factor for ageing measurement of dye solar cells. <i>Microelectronics Reliability</i> , 2013, 53, 279-281.	1.7	11

#	ARTICLE	IF	CITATIONS
19	Reliability Study of Ruthenium-Based Dye-Sensitized Solar Cells (DSCs). IEEE Journal of Photovoltaics, 2012, 2, 27-34.	2.5	16