

Emily M Speller

List of Publications by Year in descending order

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12
papers

947
citations

933410

10
h-index

1281846

11
g-index

13
all docs

13
docs citations

13
times ranked

1786
citing authors

#	ARTICLE	IF	CITATIONS
1	Room-temperature macromolecular serial crystallography using synchrotron radiation. <i>IUCr</i> , 2014, 1, 204-212.	2.2	221
2	Organic photovoltaic cells “promising indoor light harvesters for self-sustainable electronics. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5618-5626.	10.3	189
3	From fullerene acceptors to non-fullerene acceptors: prospects and challenges in the stability of organic solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 23361-23377.	10.3	163
4	The role of fullerenes in the environmental stability of polymer:fullerene solar cells. <i>Energy and Environmental Science</i> , 2018, 11, 417-428.	30.8	117
5	Twist and Degrade—Impact of Molecular Structure on the Photostability of Nonfullerene Acceptors and Their Photovoltaic Blends. <i>Advanced Energy Materials</i> , 2019, 9, 1803755.	19.5	95
6	Toward Improved Environmental Stability of Polymer:Fullerene and Polymer:Nonfullerene Organic Solar Cells: A Common Energetic Origin of Light- and Oxygen-Induced Degradation. <i>ACS Energy Letters</i> , 2019, 4, 846-852.	17.4	71
7	Non-fullerene acceptor photostability and its impact on organic solar cell lifetime. <i>Cell Reports Physical Science</i> , 2021, 2, 100498.	5.6	35
8	Impact of Aggregation on the Photochemistry of Fullerene Films: Correlating Stability to Triplet Exciton Kinetics. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22739-22747.	8.0	27
9	Photo-stability study of a solution-processed small molecule solar cell system: correlation between molecular conformation and degradation. <i>Science and Technology of Advanced Materials</i> , 2018, 19, 194-202.	6.1	12
10	Photoswitchable Solubility of Fullerene-Doped Polymer Thin Films. <i>ACS Nano</i> , 2020, 14, 11352-11362.	14.6	12
11	Use of gas cluster ion source depth profiling to study the oxidation of fullerene thin films by XPS. <i>Organic Electronics</i> , 2017, 49, 85-93.	2.6	5
12	Influence of Non-Fullerene Acceptors on the Photostability of Organic Photovoltaics in Inert Atmospheres. , 0, , .		0