

Timothy M Burke

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10884710/publications.pdf>

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9
papers

1,387
citations

1040056

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h-index

1474206

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docs citations

9
times ranked

2312
citing authors

#	ARTICLE	IF	CITATIONS
1	Beyond Langevin Recombination: How Equilibrium Between Free Carriers and Charge Transfer States Determines the Open-Circuit Voltage of Organic Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1500123.	19.5	354
2	How High Local Charge Carrier Mobility and an Energy Cascade in a Three-Phase Bulk Heterojunction Enable >90% Quantum Efficiency. <i>Advanced Materials</i> , 2014, 26, 1923-1928.	21.0	247
3	Charge-Carrier Mobility Requirements for Bulk Heterojunction Solar Cells with High Fill Factor and External Quantum Efficiency >90%. <i>Advanced Energy Materials</i> , 2015, 5, 1500577.	19.5	214
4	Characterization of the Polymer Energy Landscape in Polymer:Fullerene Bulk Heterojunctions with Pure and Mixed Phases. <i>Journal of the American Chemical Society</i> , 2014, 136, 14078-14088.	13.7	193
5	Reducing burn-in voltage loss in polymer solar cells by increasing the polymer crystallinity. <i>Energy and Environmental Science</i> , 2014, 7, 2974-2980.	30.8	162
6	Disorder-Induced Open-Circuit Voltage Losses in Organic Solar Cells During Photoinduced Burn-In. <i>Advanced Energy Materials</i> , 2015, 5, 1500111.	19.5	146
7	The Impact of Donor-Acceptor Phase Separation on the Charge Carrier Dynamics in pBTTT:PCBM Photovoltaic Blends. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1054-1060.	3.9	29
8	Time- and Temperature-Independent Local Carrier Mobility and Effects of Regioregularity in Polymer-Fullerene Organic Semiconductors. <i>Advanced Electronic Materials</i> , 2016, 2, 1500351.	5.1	23
9	How the Energetic Landscape in the Mixed Phase of Organic Bulk Heterojunction Solar Cells Evolves with Fullerene Content. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6427-6434.	3.1	19