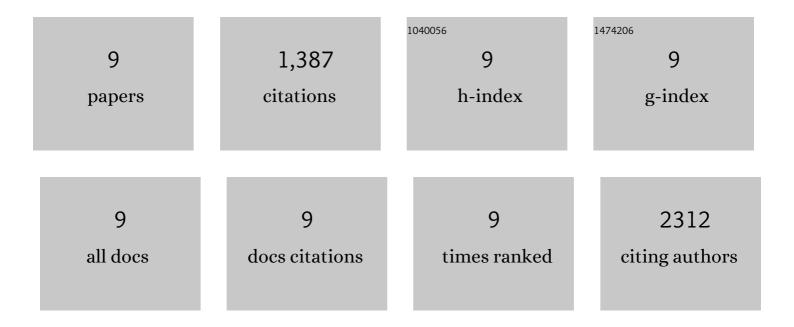
Timothy M Burke

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/10884710/publications.pdf Version: 2024-02-01



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