

Michael C Heiber

List of Publications by Year in descending order

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21
papers

1,327
citations

567281

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713466

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docs citations

22
times ranked

2562
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystallography, Morphology, Electronic Structure, and Transport in Non-Fullerene/Non-Indacenodithienothiophene Polymer:Y6 Solar Cells. Journal of the American Chemical Society, 2020, 142, 14532-14547.	13.7	214
2	Charge transport and mobility relaxation in organic bulk heterojunction morphologies derived from electron tomography measurements. Journal of Materials Chemistry C, 2020, 8, 15339-15350.	5.5	5
3	Electrical Conductivity of Doped Organic Semiconductors Limited by Carrier-Carrier Interactions. ACS Applied Materials & Interfaces, 2020, 12, 56222-56230.	8.0	32
4	Excimontec v1.0: An Open-Source Software Tool for Kinetic Monte Carlo Simulations of Organic Electronic Devices. Journal of Open Source Software, 2020, 5, 2307.	4.6	7
5	Advances in modeling the physics of disordered organic electronic devices. , 2019, , 309-347.		7
6	KMC_Lattice v2.0: An Object-Oriented C++ Library for Custom Kinetic Monte Carlo Simulations. Journal of Open Source Software, 2019, 4, 1168.	4.6	4
7	Charge Generation and Recombination in an Organic Solar Cell with Low Energetic Offsets. Advanced Energy Materials, 2018, 8, 1701073.	19.5	60
8	Measuring the competition between bimolecular charge recombination and charge transport in organic solar cells under operating conditions. Energy and Environmental Science, 2018, 11, 3019-3032.	30.8	59
9	Ising_OPV v4.0: Experimental Tomography Data Import, Interpretation, and Analysis. Journal of Open Source Software, 2018, 3, 1072.	4.6	2
10	Small is Powerful: Recent Progress in Solution-Processed Small Molecule Solar Cells. Advanced Energy Materials, 2017, 7, 1602242.	19.5	371
11	Triplet Excitons in Highly Efficient Solar Cells Based on the Soluble Small Molecule p-EDTS(FBTTh 2) 2. Advanced Energy Materials, 2017, 7, 1602016.	19.5	15
12	Impact of Tortuosity on Charge-Carrier Transport in Organic Bulk Heterojunction Blends. Physical Review Applied, 2017, 8, .	3.8	15
13	Charge carrier concentration dependence of encounter-limited bimolecular recombination in phase-separated organic semiconductor blends. Physical Review B, 2016, 93, .	3.2	29
14	Analysis of Triplet Exciton Loss Pathways in PTB7:PC71BM Bulk Heterojunction Solar Cells. Scientific Reports, 2016, 6, 29158.	3.3	42
15	Identification of Trap States in Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2015, 6, 2350-2354.	4.6	204
16	Encounter-Limited Charge-Carrier Recombination in Phase-Separated Organic Semiconductor Blends. Physical Review Letters, 2015, 114, 136602.	7.8	92
17	Nongeminate recombination in neat P3HT and P3HT:PCBM blend films. Journal of Applied Physics, 2014, 115, .	2.5	58
18	Efficient Generation of Model Bulk Heterojunction Morphologies for Organic Photovoltaic Device Modeling. Physical Review Applied, 2014, 2, .	3.8	17

#	ARTICLE	IF	CITATIONS
19	Estimating the Magnitude of Exciton Delocalization in Regioregular P3HT. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21627-21634.	3.1	18
20	Dynamic Monte Carlo modeling of exciton dissociation in organic donor-acceptor solar cells. <i>Journal of Chemical Physics</i> , 2012, 137, 014903.	3.0	35
21	Development of a Colloidal Lithography Method for Patterning Nonplanar Surfaces. <i>Langmuir</i> , 2010, 26, 16662-16666.	3.5	40