Cheng-Kuang Lee

List of Publications by Year
in descending order

9 papers	307 citations	1163117 8 h-index	1474206 9 g-index
9 all docs	9 docs citations	9 times ranked	490 citing authors

#	Article	IF	Citations
1	Multiscale molecular simulations of the nanoscale morphologies of P3HT:PCBM blends for bulk heterojunction organic photovoltaic cells. Energy and Environmental Science, 2011, 4, 4124.	30.8	122
2	Nanomorphology Evolution of P3HT/PCBM Blends during Solution-Processing from Coarse-Grained Molecular Simulations. Journal of Physical Chemistry C, 2014, 118, 11224-11233.	3.1	59
3	Solubility of [6,6]-Phenyl-C₆₁-butyric Acid Methyl Ester and Optimal Blending Ratio of Bulk Heterojunction Polymer Solar Cells. Journal of Physical Chemistry C, 2012, 116, 12455-12461.	3.1	33
4	Electrode Materials, Thermal Annealing Sequences, and Lateral/Vertical Phase Separation of Polymer Solar Cells from Multiscale Molecular Simulations. ACS Applied Materials & Interfaces, 2014, 6, 20612-20624.	8.0	27
5	Multiscale Molecular Simulation of Solution Processing of SMDPPEH: PCBM Small-Molecule Organic Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 20691-20700.	8.0	18
6	Correlation of nanoscale organizations of polymer and nanocrystals in polymer/inorganic nanocrystal bulk heterojunction hybrid solar cells: insights from multiscale molecular simulations. Energy and Environmental Science, 2013, 6, 307-315.	30.8	16
7	PSIIâ€“LHCII Supercomplex Organizations in Photosynthetic Membrane by Coarse-Grained Simulation. Journal of Physical Chemistry B, 2015, 119, 3999-4008.	2.6	15
8	Dependence of Nanocrystal Dimensionality on the Polymer Nanomorphology, Anisotropic Optical Absorption, and Carrier Transport in P3HT:TiO₂ Bulk Heterojunctions. Journal of Physical Chemistry C, 2012, 116, 25081-25088.	3.1	10
9	Revealing Ordered Polymer Packing during Freeze-Drying Fabrication of a Bulk Heterojunction Poly(3-hexylthiophene-2,5-diyl):[6,6]-Phenyl-C61-butyric Acid Methyl Ester Layer: In Situ Optical Spectroscopy, Molecular Dynamics Simulation, and X-ray Diffraction. Journal of Physical Chemistry C, 2017, 121, 14826-14834.	3.1	7