

# Cheng-Kuang Lee

## List of Publications by Year in descending order

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9  
papers

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citations

1163117

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docs citations

9  
times ranked

490  
citing authors

| # | ARTICLE  | IF   | CITATIONS |
|---|--|------|-----------|
| 1 | 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. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14826-14834. | 3.1  | 7         |
| 2 | Multiscale Molecular Simulation of Solution Processing of SMDPPEH: PCBM Small-Molecule Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 20691-20700.  | 8.0  | 18        |
| 3 | PSIIâ€™LHCII Supercomplex Organizations in Photosynthetic Membrane by Coarse-Grained Simulation. <i>Journal of Physical Chemistry B</i> , 2015, 119, 3999-4008.  | 2.6  | 15        |
| 4 | Electrode Materials, Thermal Annealing Sequences, and Lateral/Vertical Phase Separation of Polymer Solar Cells from Multiscale Molecular Simulations. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 20612-20624.  | 8.0  | 27        |
| 5 | Nanomorphology Evolution of P3HT/PCBM Blends during Solution-Processing from Coarse-Grained Molecular Simulations. <i>Journal of Physical Chemistry C</i> , 2014, 118, 11224-11233.  | 3.1  | 59        |
| 6 | Correlation of nanoscale organizations of polymer and nanocrystals in polymer/inorganic nanocrystal bulk heterojunction hybrid solar cells: insights from multiscale molecular simulations. <i>Energy and Environmental Science</i> , 2013, 6, 307-315.  | 30.8 | 16        |
| 7 | Dependence of Nanocrystal Dimensionality on the Polymer Nanomorphology, Anisotropic Optical Absorption, and Carrier Transport in P3HT:TiO <sub>2</sub> Bulk Heterojunctions. <i>Journal of Physical Chemistry C</i> , 2012, 116, 25081-25088.  | 3.1  | 10        |
| 8 | Solubility of [6,6]-Phenyl-C <sub>61</sub> -butyric Acid Methyl Ester and Optimal Blending Ratio of Bulk Heterojunction Polymer Solar Cells. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12455-12461.  | 3.1  | 33        |
| 9 | Multiscale molecular simulations of the nanoscale morphologies of P3HT:PCBM blends for bulk heterojunction organic photovoltaic cells. <i>Energy and Environmental Science</i> , 2011, 4, 4124.  | 30.8 | 122       |