

Liqiang Yang

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

7,247
citations

394421

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752698

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docs citations

21
times ranked

6193
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling Molecular Weight of a High Efficiency Donor-Acceptor Conjugated Polymer and Understanding Its Significant Impact on Photovoltaic Properties. <i>Advanced Materials</i> , 2014, 26, 4456-4462.	21.0	190
2	The influence of molecular orientation on organic bulk heterojunction solar cells. <i>Nature Photonics</i> , 2014, 8, 385-391.	31.4	439
3	Mobility-Controlled Performance of Thick Solar Cells Based on Fluorinated Copolymers. <i>Journal of the American Chemical Society</i> , 2014, 136, 15566-15576.	13.7	249
4	Organic Solar Cells beyond One Pair of Donor-Acceptor: Ternary Blends and More. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1802-1810.	4.6	186
5	Disentangling the impact of side chains and fluorine substituents of conjugated donor polymers on the performance of photovoltaic blends. <i>Energy and Environmental Science</i> , 2013, 6, 316-326.	30.8	153
6	Surface-Initiated Poly(3-methylthiophene) as a Hole-Transport Layer for Polymer Solar Cells with High Performance. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 5069-5073.	8.0	51
7	Rational Design of High Performance Conjugated Polymers for Organic Solar Cells. <i>Macromolecules</i> , 2012, 45, 607-632.	4.8	1,398
8	Parallel-like Bulk Heterojunction Polymer Solar Cells. <i>Journal of the American Chemical Society</i> , 2012, 134, 5432-5435.	13.7	279
9	Low-Band-Gap Polymers That Utilize Quinoid Resonance Structure Stabilization by Thienothiophene: Fine-Tuning of HOMO Level. <i>Macromolecules</i> , 2011, 44, 872-877.	4.8	75
10	Solution-Processed Flexible Polymer Solar Cells with Silver Nanowire Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 4075-4084.	8.0	351
11	Improved Synthesis of Thienothiazole and Its Utility in Developing Polymers for Photovoltaics. <i>Macromolecules</i> , 2011, 44, 9146-9154.	4.8	15
12	Fluorine Substituted Conjugated Polymer of Medium Band Gap Yields 7% Efficiency in Polymer-Fullerene Solar Cells. <i>Journal of the American Chemical Society</i> , 2011, 133, 4625-4631.	13.7	1,463
13	Development of Fluorinated Benzothiadiazole as a Structural Unit for a Polymer Solar Cell of 7% Efficiency. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2995-2998.	13.8	1,130
14	Enhanced Photovoltaic Performance of Low-Bandgap Polymers with Deep LUMO Levels. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7992-7995.	13.8	282
15	A Tale of Current and Voltage: Interplay of Band Gap and Energy Levels of Conjugated Polymers in Bulk Heterojunction Solar Cells. <i>Macromolecules</i> , 2010, 43, 10390-10396.	4.8	61
16	Quantitatively Analyzing the Influence of Side Chains on Photovoltaic Properties of Polymer-Fullerene Solar Cells. <i>Journal of Physical Chemistry C</i> , 2010, 114, 16793-16800.	3.1	218
17	A Weak Donor-Strong Acceptor Strategy to Design Ideal Polymers for Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 1377-1383.	8.0	265
18	Donor-Acceptor Polymers Incorporating Alkylated Dithienylbenzothiadiazole for Bulk Heterojunction Solar Cells: Pronounced Effect of Positioning Alkyl Chains. <i>Macromolecules</i> , 2010, 43, 811-820.	4.8	175