

Florent Deledalle

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10996575/publications.pdf>

Version: 2024-02-01

10
papers

738
citations

933447

10
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

1768
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Differences between Dark and Light Ideality Factor in Polymer:Fullerene Solar Cells. Journal of Physical Chemistry Letters, 2013, 4, 2371-2376.	4.6	227
2	Electron Collection as a Limit to Polymer:PCBM Solar Cell Efficiency: Effect of Blend Microstructure on Carrier Mobility and Device Performance in PTB7:PCBM. Advanced Energy Materials, 2014, 4, 1400311.	19.5	151
3	Relating Recombination, Density of States, and Device Performance in an Efficient Polymer:Fullerene Organic Solar Cell Blend. Advanced Energy Materials, 2013, 3, 1201-1209.	19.5	89
4	Influence of Surface Recombination on Charge-Carrier Kinetics in Organic Bulk Heterojunction Solar Cells with Nickel Oxide Interlayers. Physical Review Applied, 2015, 4, .	3.8	87
5	Understanding the Apparent Charge Density Dependence of Mobility and Lifetime in Organic Bulk Heterojunction Solar Cells. Journal of Physical Chemistry C, 2014, 118, 8837-8842.	3.1	57
6	Towards optimisation of photocurrent from fullerene excitons in organic solar cells. Energy and Environmental Science, 2014, 7, 1037.	30.8	42
7	A Comparison of Charge Separation Dynamics in Organic Blend Films Employing Fullerene and Perylene Diimide Electron Acceptors. Journal of Physical Chemistry Letters, 2015, 6, 201-205.	4.6	32
8	Role of Polymer Fractionation in Energetic Losses and Charge Carrier Lifetimes of Polymer: Fullerene Solar Cells. Journal of Physical Chemistry C, 2015, 119, 19668-19673.	3.1	22
9	Understanding the Effect of Unintentional Doping on Transport Optimization and Analysis in Efficient Organic Bulk-Heterojunction Solar Cells. Physical Review X, 2015, 5, .	8.9	18
10	Photophysical Study of DPPTT/PC ₇₀ BM Blends and Solar Devices as a Function of Fullerene Loading: An Insight into EQE Limitations of DPP-Based Polymers. Advanced Functional Materials, 2017, 27, 1604426.	14.9	13