

Florent Deledalle

List of Publications by Year in descending order

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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	Photophysical Study of DPPTTâ€/PC₇₀BM Blends and Solar Devices as a Function of Fullerene Loading: An Insight into EQE Limitations of DPPâ€Based Polymers. <i>Advanced Functional Materials</i> , 2017, 27, 1604426.	14.9	13
2	Understanding the Effect of Unintentional Doping on Transport Optimization and Analysis in Efficient Organic Bulk-Heterojunction Solar Cells. <i>Physical Review X</i> , 2015, 5, .	8.9	18
3	Influence of Surface Recombination on Charge-Carrier Kinetics in Organic Bulk Heterojunction Solar Cells with Nickel Oxide Interlayers. <i>Physical Review Applied</i> , 2015, 4, .	3.8	87
4	A Comparison of Charge Separation Dynamics in Organic Blend Films Employing Fullerene and Perylene Diimide Electron Acceptors. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 201-205.	4.6	32
5	Role of Polymer Fractionation in Energetic Losses and Charge Carrier Lifetimes of Polymer: Fullerene Solar Cells. <i>Journal of Physical Chemistry C</i> , 2015, 119, 19668-19673.	3.1	22
6	Electron Collection as a Limit to Polymer:PCBM Solar Cell Efficiency: Effect of Blend Microstructure on Carrier Mobility and Device Performance in PTB7:PCBM. <i>Advanced Energy Materials</i> , 2014, 4, 1400311.	19.5	151
7	Towards optimisation of photocurrent from fullerene excitons in organic solar cells. <i>Energy and Environmental Science</i> , 2014, 7, 1037.	30.8	42
8	Understanding the Apparent Charge Density Dependence of Mobility and Lifetime in Organic Bulk Heterojunction Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014, 118, 8837-8842.	3.1	57
9	Relating Recombination, Density of States, and Device Performance in an Efficient Polymer:Fullerene Organic Solar Cell Blend. <i>Advanced Energy Materials</i> , 2013, 3, 1201-1209.	19.5	89
10	On the Differences between Dark and Light Ideality Factor in Polymer:Fullerene Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2371-2376.	4.6	227