

Scot Wheeler

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

12
papers

1,502
citations

11
h-index

14
g-index

14
ext. papers

1,685
ext. citations

13.3
avg, IF

4.31
L-index

#	Paper	IF	Citations
12	Light and oxygen induced degradation limits the operational stability of methylammonium lead triiodide perovskite solar cells. <i>Energy and Environmental Science</i> , 2016 , 9, 1655-1660	35.4	621
11	Reduced voltage losses yield 10% efficient fullerene free organic solar cells with >1 V open circuit voltages. <i>Energy and Environmental Science</i> , 2016 , 9, 3783-3793	35.4	425
10	Observable Hysteresis at Low Temperature in Hysteresis Free Organic/Inorganic Lead Halide Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 3190-3194	6.4	92
9	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,	4.3	70
8	Influence of Blend Morphology and Energetics on Charge Separation and Recombination Dynamics in Organic Solar Cells Incorporating a Nonfullerene Acceptor. <i>Advanced Functional Materials</i> , 2018 , 28, 1704389	15.6	68
7	Polaron pair mediated triplet generation in polymer/fullerene blends. <i>Nature Communications</i> , 2015 , 6, 6501	17.4	65
6	Transient Optoelectronic Analysis of the Impact of Material Energetics and Recombination Kinetics on the Open-Circuit Voltage of Hybrid Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 13496-13506	3.8	56
5	Tuning CH ₃ NH ₃ Pb(I _{1-x} Br _x) ₃ perovskite oxygen stability in thin films and solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9553-9560	13	54
4	Charge Separation in Intermixed Polymer:PC70BM Photovoltaic Blends: Correlating Structural and Photophysical Length Scales as a Function of Blend Composition. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 9790-9801	3.8	20
3	OPEN: An open-source platform for developing smart local energy system applications. <i>Applied Energy</i> , 2020 , 275, 115397	10.7	11
2	Excitation Wavelength-Dependent Internal Quantum Efficiencies in a P3HT/Nonfullerene Acceptor Solar Cell. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 5826-5832	3.8	5
1	The Service Value Method for Design of Energy Access Systems in the Global South. <i>Proceedings of the IEEE</i> , 2019 , 107, 1941-1966	14.3	2