Moses Richter

List of Publications by Year
in descending order

17	3,269	516710 16	888059 17
papers	citations	h-index	g-index

17	17	17	6066
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Absence of Charge Transfer State Enables Very Low V_{OC} Losses in SWCNT:Fullerene Solar Cells. Advanced Energy Materials, 2019, 9, 1801913.	19.5	25
2	Abnormal strong burn-in degradation of highly efficient polymer solar cells caused by spinodal donor-acceptor demixing. Nature Communications, 2017, 8, 14541.	12.8	298
3	Suppression of Hysteresis Effects in Organohalide Perovskite Solar Cells. Advanced Materials Interfaces, 2017, 4, 1700007.	3.7	57
4	Polymer:Nonfullerene Bulk Heterojunction Solar Cells with Exceptionally Low Recombination Rates. Advanced Energy Materials, 2017, 7, 1701561.	19.5	76
5	A generic interface to reduce the efficiency-stability-cost gap of perovskite solar cells. Science, 2017, 358, 1192-1197.	12.6	554
6	Carbon Photodetectors: The Versatility of Carbon Allotropes. Advanced Energy Materials, 2017, 7, 1601574.	19.5	44
7	Overcoming the Interface Losses in Planar Heterojunction Perovskiteâ€Based Solar Cells. Advanced Materials, 2016, 28, 5112-5120.	21.0	188
8	Exploring the Limiting Openâ€Circuit Voltage and the Voltage Loss Mechanism in Planar CH₃NH₃PbBr₃ Perovskite Solar Cells. Advanced Energy Materials, 2016, 6, 1600132.	19.5	71
9	Photoinduced degradation of methylammonium lead triiodide perovskite semiconductors. Journal of Materials Chemistry A, 2016, 4, 15896-15903.	10.3	119
10	Effects of Alkyl Terminal Chains on Morphology, Charge Generation, Transport, and Recombination Mechanisms in Solutionâ€Processed Small Molecule Bulk Heterojunction Solar Cells. Advanced Energy Materials, 2015, 5, 1500386.	19.5	112
11	Detection of X-ray photons by solution-processed lead halide perovskites. Nature Photonics, 2015, 9, 444-449.	31.4	916
12	X-ray imaging with scintillator-sensitized hybrid organic photodetectors. Nature Photonics, 2015, 9, 843-848.	31.4	300
13	Charge transport in nanoparticular thin films of zinc oxide and aluminum-doped zinc oxide. Journal of Materials Chemistry C, 2015, 3, 1468-1472.	5.5	10
14	Relation of Nanostructure and Recombination Dynamics in a Lowâ€Temperature Solutionâ€Processed CuInS₂ Nanocrystalline Solar Cell. Advanced Energy Materials, 2013, 3, 1589-1596.	19.5	38
15	Sprayâ€Coated Silver Nanowires as Top Electrode Layer in Semitransparent P3HT:PCBMâ€Based Organic Solar Cell Devices. Advanced Functional Materials, 2013, 23, 1711-1717.	14.9	216
16	High fill factor polymer solar cells comprising a transparent, low temperature solution processed doped metal oxide/metal nanowire composite electrode. Solar Energy Materials and Solar Cells, 2012, 107, 248-251.	6.2	75
17	Solutionâ€Processed Metallic Nanowire Electrodes as Indium Tin Oxide Replacement for Thinâ€Film Solar Cells. Advanced Functional Materials, 2011, 21, 4784-4787.	14.9	170