Niva A Ran

List of Publications by Year
in descending order

15	1,198	759233 12	996975 15
papers	citations	h-index	g-index

16	16	16	2012
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fullerene derivative induced morphology of bulk heterojunction blends: PIPCP:PC₆₁BM. RSC Advances, 2019, 9, 4106-4112.	3.6	10
2	Quantifying and Understanding Voltage Losses Due to Nonradiative Recombination in Bulk Heterojunction Organic Solar Cells with Low Energetic Offsets. Advanced Energy Materials, 2019, 9, 1901077.	19.5	69
3	Charge Generation and Recombination in an Organic Solar Cell with Low Energetic Offsets. Advanced Energy Materials, 2018, 8, 1701073.	19.5	60
4	Determining the Dielectric Constants of Organic Photovoltaic Materials Using Impedance Spectroscopy. Advanced Functional Materials, 2018, 28, 1801542.	14.9	98
5	Measuring the competition between bimolecular charge recombination and charge transport in organic solar cells under operating conditions. Energy and Environmental Science, 2018, 11, 3019-3032.	30.8	59
6	Small is Powerful: Recent Progress in Solutionâ€Processed Small Molecule Solar Cells. Advanced Energy Materials, 2017, 7, 1602242.	19.5	371
7	Structural variations to a donor polymer with low energy losses. Journal of Materials Chemistry A, 2017, 5, 18618-18626.	10.3	12
8	Capacitance Spectroscopy for Quantifying Recombination Losses in Nonfullerene Smallâ€Molecule Bulk Heterojunction Solar Cells. Advanced Energy Materials, 2016, 6, 1502250.	19.5	95
9	Understanding Openâ€Circuit Voltage Loss through the Density of States in Organic Bulk Heterojunction Solar Cells. Advanced Energy Materials, 2016, 6, 1501721.	19.5	80
10	Harvesting the Full Potential of Photons with Organic Solar Cells. Advanced Materials, 2016, 28, 1482-1488.	21.0	190
11	Solar Cells: Understanding Open-Circuit Voltage Loss through the Density of States in Organic Bulk Heterojunction Solar Cells (Adv. Energy Mater. 4/2016). Advanced Energy Materials, 2016, 6, n/a-n/a.	19.5	0
12	Limits for Recombination in a Low Energy Loss Organic Heterojunction. ACS Nano, 2016, 10, 10736-10744.	14.6	79
13	Chargeâ€Carrier Recombination: Effects of Processing Conditions on the Recombination Reduction in Small Molecule Bulk Heterojunction Solar Cells (Adv. Energy Mater. 14/2014). Advanced Energy Materials, 2014, 4, .	19.5	1
14	Effects of Processing Conditions on the Recombination Reduction in Small Molecule Bulk Heterojunction Solar Cells. Advanced Energy Materials, 2014, 4, 1400438.	19.5	46
15	Understanding the Chargeâ€Transfer State and Singlet Exciton Emission from Solutionâ€Processed Smallâ€Molecule Organic Solar Cells. Advanced Materials, 2014, 26, 7405-7412.	21.0	27