

# Niva A Ran

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7004393/publications.pdf>

Version: 2024-02-01

15  
papers

1,198  
citations

759233

12  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

2012  
citing authors

#	ARTICLE	IF	CITATIONS
1	Small is Powerful: Recent Progress in Solution-Processed Small Molecule Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1602242.	19.5	371
2	Harvesting the Full Potential of Photons with Organic Solar Cells. <i>Advanced Materials</i> , 2016, 28, 1482-1488.	21.0	190
3	Determining the Dielectric Constants of Organic Photovoltaic Materials Using Impedance Spectroscopy. <i>Advanced Functional Materials</i> , 2018, 28, 1801542.	14.9	98
4	Capacitance Spectroscopy for Quantifying Recombination Losses in Nonfullerene Small-Molecule Bulk Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1502250.	19.5	95
5	Understanding Open-Circuit Voltage Loss through the Density of States in Organic Bulk Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1501721.	19.5	80
6	Limits for Recombination in a Low Energy Loss Organic Heterojunction. <i>ACS Nano</i> , 2016, 10, 10736-10744.	14.6	79
7	Quantifying and Understanding Voltage Losses Due to Nonradiative Recombination in Bulk Heterojunction Organic Solar Cells with Low Energetic Offsets. <i>Advanced Energy Materials</i> , 2019, 9, 1901077.	19.5	69
8	Charge Generation and Recombination in an Organic Solar Cell with Low Energetic Offsets. <i>Advanced Energy Materials</i> , 2018, 8, 1701073.	19.5	60
9	Measuring the competition between bimolecular charge recombination and charge transport in organic solar cells under operating conditions. <i>Energy and Environmental Science</i> , 2018, 11, 3019-3032.	30.8	59
10	Effects of Processing Conditions on the Recombination Reduction in Small Molecule Bulk Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1400438.	19.5	46
11	Understanding the Charge-Transfer State and Singlet Exciton Emission from Solution-Processed Small-Molecule Organic Solar Cells. <i>Advanced Materials</i> , 2014, 26, 7405-7412.	21.0	27
12	Structural variations to a donor polymer with low energy losses. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18618-18626.	10.3	12
13	Fullerene derivative induced morphology of bulk heterojunction blends: PIPCP:PC <sub>61</sub> BM. <i>RSC Advances</i> , 2019, 9, 4106-4112.	3.6	10
14	Charge-Carrier Recombination: Effects of Processing Conditions on the Recombination Reduction in Small Molecule Bulk Heterojunction Solar Cells ( <i>Adv. Energy Mater.</i> 14/2014). <i>Advanced Energy Materials</i> , 2014, 4, .	19.5	1
15	Solar Cells: Understanding Open-Circuit Voltage Loss through the Density of States in Organic Bulk Heterojunction Solar Cells ( <i>Adv. Energy Mater.</i> 4/2016). <i>Advanced Energy Materials</i> , 2016, 6, n/a-n/a.	19.5	0