

Marios Neophytou

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.

26

papers

1,727

citations

18

h-index

27

g-index

27

ext. papers

1,972

ext. citations

14

avg, IF

4.42

L-index

#	Paper	IF	Citations
26	Reducing the efficiency-stability-cost gap of organic photovoltaics with highly efficient and stable small molecule acceptor ternary solar cells. <i>Nature Materials</i> , 2017 , 16, 363-369	27	807
25	Robust nonfullerene solar cells approaching unity external quantum efficiency enabled by suppression of geminate recombination. <i>Nature Communications</i> , 2018 , 9, 2059	17.4	141
24	Amorphous Tin Oxide as a Low-Temperature-Processed Electron-Transport Layer for Organic and Hybrid Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 11828-11836	9.5	110
23	Highly Efficient and Reproducible Nonfullerene Solar Cells from Hydrocarbon Solvents. <i>ACS Energy Letters</i> , 2017 , 2, 1494-1500	20.1	74
22	Improved Efficiency in Inverted Perovskite Solar Cells Employing a Novel Diarylamino-Substituted Molecule as PEDOT:PSS Replacement. <i>Advanced Energy Materials</i> , 2016 , 6, 1502101	21.8	63
21	Room-Temperature-Sputtered Nanocrystalline Nickel Oxide as Hole Transport Layer for p-i-n Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2018 , 1, 6227-6233	6.1	57
20	Highly Stretchable and Air-Stable PEDOT:PSS/Ionic Liquid Composites for Efficient Organic Thermoelectrics. <i>Chemistry of Materials</i> , 2019 , 31, 3519-3526	9.6	51
19	High mobility, hole transport materials for highly efficient PEDOT:PSS replacement in inverted perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 4940-4945	7.1	50
18	Homo-Tandem Polymer Solar Cells with VOC >1.8 V for Efficient PV-Driven Water Splitting. <i>Advanced Materials</i> , 2016 , 28, 3366-73	24	46
17	One-Step Facile Synthesis of a Simple Hole Transport Material for Efficient Perovskite Solar Cells. <i>Chemistry of Materials</i> , 2016 , 28, 2515-2518	9.6	45
16	Microwave-synthesized tin oxide nanocrystals for low-temperature solution-processed planar junction organo-halide perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 7759-7763	13	37
15	End Group Tuning in Acceptor-Donor-Acceptor Nonfullerene Small Molecules for High Fill Factor Organic Solar Cells. <i>Advanced Functional Materials</i> , 2019 , 29, 1808429	15.6	33
14	Impact of Polymer Side Chain Modification on OPV Morphology and Performance. <i>Chemistry of Materials</i> , 2018 , 30, 7872-7884	9.6	32
13	Use of the Phen-NaDPO:Sn(SCN) ₂ Blend as Electron Transport Layer Results to Consistent Efficiency Improvements in Organic and Hybrid Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2019 , 29, 1905810	15.6	30
12	Enhancing the Charge Extraction and Stability of Perovskite Solar Cells Using Strontium Titanate (SrTiO ₃) Electron Transport Layer. <i>ACS Applied Energy Materials</i> , 2019 , 2, 8090-8097	6.1	26
11	A universal solution processed interfacial bilayer enabling ohmic contact in organic and hybrid optoelectronic devices. <i>Energy and Environmental Science</i> , 2020 , 13, 268-276	35.4	26
10	Regiochemistry-Driven Organic Electrochemical Transistor Performance Enhancement in Ethylene Glycol-Functionalized Polythiophenes. <i>Journal of the American Chemical Society</i> , 2021 , 143, 11007-11018	16.4	22

9	Influence of Polymer Aggregation and Liquid Immiscibility on Morphology Tuning by Varying Composition in PffBT4T-2DT/Nonfullerene Organic Solar Cells. <i>Advanced Energy Materials</i> , 2020 , 10, 1903248	21.8	18
8	Non-fullerene-based organic photodetectors for infrared communication. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 2375-2380	7.1	12
7	Triarylphosphine Oxide as Cathode Interfacial Material for Inverted Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900434	4.6	11
6	Carrier Extraction from Perovskite to Polymeric Charge Transport Layers Probed by Ultrafast Transient Absorption Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 6921-6928	6.4	11
5	Alternative Thieno[3,2-b][1]benzothiophene Isoindigo Polymers for Solar Cell Applications. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1700820	4.8	8
4	A Multilayered Electron Extracting System for Efficient Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2020 , 30, 2004273	15.6	8
3	Low-Temperature Cross-Linking Benzocyclobutene Based Polymer Dielectric for Organic Thin Film Transistors on Plastic Substrates. <i>Journal of Organic Chemistry</i> , 2020 , 85, 277-283	4.2	5
2	Infrared Organic Photodetectors Employing Ultralow Bandgap Polymer and Non-Fullerene Acceptors for Biometric Monitoring.. <i>Small</i> , 2022 , e2200580	11	3
1	Solar Cells: Homo-Tandem Polymer Solar Cells with VOC >1.8 V for Efficient PV-Driven Water Splitting (Adv. Mater. 17/2016). <i>Advanced Materials</i> , 2016 , 28, 3412-3412	24	1