

# Masoud Ghasemi

## List of Publications by Year in descending order

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18  
papers

2,136  
citations

516710

16  
h-index

888059

17  
g-index

19  
all docs

19  
docs citations

19  
times ranked

2161  
citing authors

#	ARTICLE	IF	CITATIONS
1	A molecular interaction‐diffusion framework for predicting organic solar cell stability. <i>Nature Materials</i> , 2021, 20, 525-532.	27.5	212
2	Upper and Apparent Lower Critical Solution Temperature Branches in the Phase Diagram of Polymer:Small Molecule Semiconducting Systems. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10845-10853.	4.6	7
3	The Role of Demixing and Crystallization Kinetics on the Stability of Non‐Fullerene Organic Solar Cells. <i>Advanced Materials</i> , 2020, 32, e2005348.	21.0	74
4	The Critical Role of Materials‐Interaction in Realizing Organic Field-Effect Transistors Via High-Dilution Blending with Insulating Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 26239-26249.	8.0	22
5	Delineation of Thermodynamic and Kinetic Factors that Control Stability in Non-fullerene Organic Solar Cells. <i>Joule</i> , 2019, 3, 1328-1348.	24.0	143
6	Highly Efficient, Stable, and Ductile Ternary Nonfullerene Organic Solar Cells from a Two‐Donor Polymer Blend. <i>Advanced Materials</i> , 2019, 31, e1808279.	21.0	79
7	Rational Strategy to Stabilize an Unstable High‐Efficiency Binary Nonfullerene Organic Solar Cells with a Third Component. <i>Advanced Energy Materials</i> , 2019, 9, 1900376.	19.5	132
8	The Critical Impact of Material and Process Compatibility on the Active Layer Morphology and Performance of Organic Ternary Solar Cells. <i>Advanced Energy Materials</i> , 2019, 9, 1802293.	19.5	35
9	Competition between Exceptionally Long‐Range Alkyl Sidechain Ordering and Backbone Ordering in Semiconducting Polymers and Its Impact on Electronic and Optoelectronic Properties. <i>Advanced Functional Materials</i> , 2019, 29, 1806977.	14.9	31
10	Quenching to the Percolation Threshold in Organic Solar Cells. <i>Joule</i> , 2019, 3, 443-458.	24.0	183
11	Quantitative relations between interaction parameter, miscibility and function in organic solar cells. <i>Nature Materials</i> , 2018, 17, 253-260.	27.5	556
12	Competition between exceptionally long-range alkyl sidechain ordering and backbone ordering in semiconducting polymers and its impact on electronic and optoelectronic properties. <i>Advanced Functional Materials</i> , 2018, 29, .	14.9	0
13	Panchromatic Sequentially Cast Ternary Polymer Solar Cells. <i>Advanced Materials</i> , 2017, 29, 1604603.	21.0	87
14	Strong polymer molecular weight-dependent material interactions: impact on the formation of the polymer/fullerene bulk heterojunction morphology. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13176-13188.	10.3	49
15	9.73% Efficiency Nonfullerene All Organic Small Molecule Solar Cells with Absorption-Complementary Donor and Acceptor. <i>Journal of the American Chemical Society</i> , 2017, 139, 5085-5094.	13.7	303
16	Precise Manipulation of Multilength Scale Morphology and Its Influence on Eco‐Friendly Printed All‐Polymer Solar Cells. <i>Advanced Functional Materials</i> , 2017, 27, 1702016.	14.9	99
17	Environmentally-friendly solvent processed fullerene-free organic solar cells enabled by screening halogen-free solvent additives. <i>Science China Materials</i> , 2017, 60, 697-706.	6.3	33
18	High Performance Organic Solar Cells Processed by Blade Coating in Air from a Benign Food Additive Solution. <i>Chemistry of Materials</i> , 2016, 28, 7451-7458.	6.7	91