

# Chaohong Zhang

## List of Publications by Year in descending order

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17  
papers

722  
citations

687363

13  
h-index

940533

16  
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all docs

17  
docs citations

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times ranked

1308  
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphology Optimization via Side Chain Engineering Enables All-Polymer Solar Cells with Excellent Fill Factor and Stability. <i>Journal of the American Chemical Society</i> , 2018, 140, 8934-8943.	13.7	218
2	A top-down strategy identifying molecular phase stabilizers to overcome microstructure instabilities in organic solar cells. <i>Energy and Environmental Science</i> , 2019, 12, 1078-1087.	30.8	89
3	Overcoming the Thermal Instability of Efficient Polymer Solar Cells by Employing Novel Fullerene-Based Acceptors. <i>Advanced Energy Materials</i> , 2017, 7, 1601204.	19.5	69
4	Introducing a New Potential Figure of Merit for Evaluating Microstructure Stability in Photovoltaic Polymer-Fullerene Blends. <i>Journal of Physical Chemistry C</i> , 2017, 121, 18153-18161.	3.1	52
5	Overcoming Microstructural Limitations in Water Processed Organic Solar Cells by Engineering Customized Nanoparticulate Inks. <i>Advanced Energy Materials</i> , 2018, 8, 1702857.	19.5	48
6	Chiral polymeric microspheres grafted with optically active helical polymer chains: a new class of materials for chiral recognition and chirally controlled release. <i>Polymer Chemistry</i> , 2013, 4, 645-652.	3.9	38
7	Understanding the correlation and balance between the miscibility and optoelectronic properties of polymer-fullerene solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17570-17579.	10.3	35
8	Panchromatic ternary/quaternary polymer/fullerene BHJ solar cells based on novel silicon naphthalocyanine and silicon phthalocyanine dye sensitizers. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2550-2562.	10.3	32
9	Comprehensive Investigation and Analysis of Bulk-Heterojunction Microstructure of High-Performance PCE11:PCBM Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 18555-18563.	8.0	30
10	High-Throughput Screening of Self-Healable Polysulfobetaine Hydrogels and their Applications in Flexible Electronics. <i>Advanced Functional Materials</i> , 2021, 31, 2100489.	14.9	26
11	Asymmetrically Enhanced Coplanar Electrode Electroluminescence for Information Encryption and Ultrahighly Stretchable Displays. <i>Advanced Materials</i> , 2022, 34, .	21.0	21
12	Ternary All-Polymer Solar Cells With 8.5% Power Conversion Efficiency and Excellent Thermal Stability. <i>Frontiers in Chemistry</i> , 2020, 8, 302.	3.6	19
13	Preparation and application of abietic acid-derived optically active helical polymers and their chiral hydrogels. <i>Bioresource Technology</i> , 2013, 129, 58-64.	9.6	18
14	Au@poly(N-propargylamide) Nanoparticles: Preparation and Chiral Recognition. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1319-1324.	3.9	12
15	Poly(N-propargylamide)s bearing cholesteryl moieties: Preparation and optical activity. <i>Reactive and Functional Polymers</i> , 2012, 72, 832-838.	4.1	11
16	Bright Stretchable White Alternating-Current Electroluminescent Devices Enabled by Photoluminescent Phosphor. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	4
17	Microstructure instabilities in solution-processed organic bulk-heterojunction solar cells. , 2018, , .		0