

Chao Yi

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,830
citations

361413

20
h-index

434195

31
g-index

32
all docs

32
docs citations

32
times ranked

3494
citing authors

#	ARTICLE	IF	CITATIONS
1	Solution-processed broadband photodetectors without transparent conductive oxide electrodes. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2783-2791.	5.5	4
2	A negative piezo-conductive effect from doped semiconducting polymer thin films. <i>Scientific Reports</i> , 2021, 11, 18222.	3.3	3
3	Enhanced thermoelectric performance of F4-TCNQ doped FASnI ₃ thin films. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25431-25442.	10.3	25
4	Two-Dimensional Conjugated Polymeric Nanocrystals for Organic Electronics. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1458-1464.	4.3	9
5	Efficient perovskite solar cells by hybrid perovskites incorporated with heterovalent neodymium cations. <i>Nano Energy</i> , 2019, 61, 352-360.	16.0	89
6	Enhanced thermoelectric properties of two-dimensional conjugated polymers. <i>Emergent Materials</i> , 2018, 1, 67-76.	5.7	20
7	Efficient Organic Solar Cells with Polymer-Small Molecule: Fullerene Ternary Active Layers. <i>ACS Omega</i> , 2017, 2, 1786-1794.	3.5	11
8	A solution-processed near-infrared polymer: PbS quantum dot photodetectors. <i>RSC Advances</i> , 2017, 7, 34633-34637.	3.6	17
9	Efficient Perovskite Hybrid Solar Cells by Highly Electrical Conductive PEDOT:PSS Hole Transport Layer. <i>Advanced Energy Materials</i> , 2016, 6, 1501773.	19.5	133
10	Efficient Perovskite Hybrid Photovoltaics via Alcohol Vapor Annealing Treatment. <i>Advanced Functional Materials</i> , 2016, 26, 101-110.	14.9	117
11	Inverted organic photovoltaic cells. <i>Chemical Society Reviews</i> , 2016, 45, 2937-2975.	38.1	185
12	Highly electrically conductive polyethylenedioxythiophene thin films for thermoelectric applications. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12730-12738.	10.3	20
13	Ultrasonic treatment of polycarbonate/carbon nanotubes composites. <i>Polymer</i> , 2016, 84, 209-222.	3.8	27
14	Interfacial engineering for high performance organic photovoltaics. <i>Materials Today</i> , 2016, 19, 169-177.	14.2	31
15	Efficient Perovskite Hybrid Solar Cells via Ionomer Interfacial Engineering. <i>Advanced Functional Materials</i> , 2015, 25, 6875-6884.	14.9	57
16	Single-Junction Polymer Solar Cells with Over 10% Efficiency by a Novel Two-Dimensional Donor-Acceptor Conjugated Copolymer. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4928-4935.	8.0	256
17	Enhanced Thermoelectric Properties of Poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) by Binary Secondary Dopants. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 8984-8989.	8.0	93
18	Self-Powered Electronics by Integration of Flexible Solid-State Graphene-Based Supercapacitors with High Performance Perovskite Hybrid Solar Cells. <i>Advanced Functional Materials</i> , 2015, 25, 2420-2427.	14.9	142

#	ARTICLE	IF	CITATIONS
19	Ultrasensitive solution-processed perovskite hybrid photodetectors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6600-6606.	5.5	104
20	Effects of Magnetic Nanoparticles and External Magnetostatic Field on the Bulk Heterojunction Polymer Solar Cells. <i>Scientific Reports</i> , 2015, 5, 9265.	3.3	52
21	Efficient Solution-Processed Bulk Heterojunction Perovskite Hybrid Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1402024.	19.5	99
22	Polyaniline-Modified Oriented Graphene Hydrogel Film as the Free-Standing Electrode for Flexible Solid-State Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23932-23940.	8.0	77
23	Efficient Perovskite Hybrid Solar Cells via Controllable Crystallization Film Morphology. <i>IEEE Journal of Photovoltaics</i> , 2015, 5, 1402-1407.	2.5	4
24	Efficient polymer solar cells fabricated from solvent processing additive solution. <i>Journal of Materials Chemistry C</i> , 2015, 3, 26-32.	5.5	17
25	Protonation process of conjugated polyelectrolytes on enhanced power conversion efficiency in the inverted polymer solar cells. <i>Journal of Photonics for Energy</i> , 2014, 4, 043099.	1.3	7
26	Conductive Water/Alcohol-Soluble Neutral Fullerene Derivative as an Interfacial Layer for Inverted Polymer Solar Cells with High Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 14189-14195.	8.0	22
27	Enhanced Performance of Polymer Solar Cells using PEDOT:PSS Doped with Fe ₃ O ₄ Magnetic Nanoparticles Aligned by an External Magnetostatic Field as an Anode Buffer Layer. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13201-13208.	8.0	30
28	High-Performance Inverted Organic Photovoltaics with Over 1 μm Thick Active Layers. <i>Advanced Energy Materials</i> , 2014, 4, 1400378.	19.5	83
29	Towards high performance inverted polymer solar cells. <i>Current Opinion in Chemical Engineering</i> , 2013, 2, 125-131.	7.8	7
30	Fine-Tuning of Fluorinated Thieno[3,4-b]thiophene Copolymer for Efficient Polymer Solar Cells. <i>Journal of Physical Chemistry C</i> , 2013, 117, 4358-4363.	3.1	38
31	Solution-Processed Fe ₃ O ₄ Magnetic Nanoparticle Thin Film Aligned by an External Magnetostatic Field as a Hole Extraction Layer for Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 10325-10330.	8.0	51