

Hongfei Zhu

List of Publications by Year in descending order

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22
papers

3,306
citations

394421

19
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

6635
citing authors

#	ARTICLE	IF	CITATIONS
1	All-Inorganic Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2016, 138, 15829-15832.	13.7	899
2	Organic photoresponse materials and devices. <i>Chemical Society Reviews</i> , 2012, 41, 1754-1808.	38.1	570
3	Self-assembled ultrathin NiCo ₂ S ₄ nanoflakes grown on Ni foam as high-performance flexible electrodes for hydrogen evolution reaction in alkaline solution. <i>Nano Energy</i> , 2016, 24, 139-147.	16.0	282
4	The effects of Al substitution and partial dissolution on ultrathin NiFeAl trinary layered double hydroxide nanosheets for oxygen evolution reaction in alkaline solution. <i>Nano Energy</i> , 2017, 35, 350-357.	16.0	237
5	High Mobility, Air Stable, Organic Single Crystal Transistors of an n-Type Diperylene Bisimide. <i>Advanced Materials</i> , 2012, 24, 2626-2630.	21.0	199
6	Magnetic field-induced growth and self-assembly of cobalt nanocrystallites. <i>Journal of Materials Chemistry</i> , 2003, 13, 1803.	6.7	140
7	MoS ₂ -Based All-Purpose Fibrous Electrode and Self-Powering Energy Fiber for Efficient Energy Harvesting and Storage. <i>Advanced Energy Materials</i> , 2017, 7, 1601208.	19.5	139
8	Versatile Electronic Skins for Motion Detection of Joints Enabled by Aligned Few-Walled Carbon Nanotubes in Flexible Polymer Composites. <i>Advanced Functional Materials</i> , 2017, 27, 1606604.	14.9	119
9	9-Alkylidene-9H-Fluorene-Containing Polymer for High-Efficiency Polymer Solar Cells. <i>Macromolecules</i> , 2011, 44, 7617-7624.	4.8	99
10	Electric Current Induced Reduction of Graphene Oxide and Its Application as Gap Electrodes in Organic Photoswitching Devices. <i>Advanced Materials</i> , 2010, 22, 5008-5012.	21.0	88
11	Solution-Processed MoO ₃ :PEDOT:PSS Hybrid Hole Transporting Layer for Inverted Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7170-7179.	8.0	83
12	Solution synthesis and phase control of inorganic perovskites for high-performance optoelectronic devices. <i>Nanoscale</i> , 2017, 9, 11841-11845.	5.6	75
13	Subatomic deformation driven by vertical piezoelectricity from CdS ultrathin films. <i>Science Advances</i> , 2016, 2, e1600209.	10.3	67
14	Recycling PM2.5 carbon nanoparticles generated by diesel vehicles for supercapacitors and oxygen reduction reaction. <i>Nano Energy</i> , 2017, 33, 229-237.	16.0	55
15	One-step fabrication of large-area ultrathin MoS ₂ nanofilms with high catalytic activity for photovoltaic devices. <i>Nanoscale</i> , 2016, 8, 16017-16025.	5.6	51
16	Controlled growth and photoconductive properties of hexagonal SnS ₂ nanoflakes with mesa-shaped atomic steps. <i>Nano Research</i> , 2017, 10, 1434-1447.	10.4	51
17	High-Performance Organic Nanoscale Photoswitches Based on Nanogap Electrodes Coated with a Blend of Poly(3-hexylthiophene) and [6,6]-Phenyl-C ₆₁ -butyric Acid Methyl Ester (P3HT:PCBM). <i>Advanced Materials</i> , 2010, 22, 1645-1648.	21.0	48
18	High performance ultraviolet photodetectors based on an individual Zn ₂ SnO ₄ single crystalline nanowire. <i>Journal of Materials Chemistry</i> , 2010, 20, 9858.	6.7	46

#	ARTICLE	IF	CITATIONS
19	Sonochemical preparation of bimetallic Co/Cu nanoparticles in aqueous solution. <i>Materials Research Bulletin</i> , 2005, 40, 1623-1629.	5.2	13
20	Tuning electrical properties of graphite oxide by plasma. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120308.	3.4	10
21	Synthesis of hollow microspheres of nickel using spheres of metallic zinc as templates under mild conditions. <i>Journal of Materials Science</i> , 2005, 40, 4411-4413.	3.7	9
22	Organic field-effect transistors based on low-temperature processable transparent polymer dielectrics with low leakage current. <i>Organic Electronics</i> , 2012, 13, 733-736.	2.6	6