

Yong Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

527
citations

759233

12
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

796
citing authors

#	ARTICLE	IF	CITATIONS
1	Cryo-mediated exfoliation and fracturing of layered materials into 2D quantum dots. <i>Science Advances</i> , 2017, 3, e1701500.	10.3	91
2	High-Yield Production of MoS ₂ and WS ₂ Quantum Sheets from Their Bulk Materials. <i>Nano Letters</i> , 2017, 17, 7767-7772.	9.1	77
3	Magnetic-Plasmonic Dual Modulated FePt-Au Ternary Heterostructured Nanorods as a Promising Nano-Bioprobe. <i>Advanced Materials</i> , 2012, 24, 2485-2490.	21.0	47
4	Nanoscale heterogeneous distribution of surface energy at interlayers in organic bulk-heterojunction solar cells. <i>Joule</i> , 2021, 5, 3154-3168.	24.0	45
5	Robust production of 2D quantum sheets from bulk layered materials. <i>Materials Horizons</i> , 2019, 6, 1416-1424.	12.2	28
6	Magnetic Manipulation and Optical Imaging of an Active Plasmonic Single-Particle Fe-Au Nanorod. <i>Langmuir</i> , 2011, 27, 15292-15298.	3.5	25
7	Inch-Scale Ball-in-Bowl Plasmonic Nanostructure Arrays for Polarization-Independent Second-Harmonic Generation. <i>ACS Nano</i> , 2021, 15, 1291-1300.	14.6	19
8	Biomass-derived nitrogen and sulfur co-doped carbon microtubes for the oxygen reduction reaction. <i>Materials Chemistry Frontiers</i> , 2020, 4, 3251-3257.	5.9	18
9	Integrated hetero-nanoelectrodes for plasmon-enhanced electrocatalysis of hydrogen evolution. <i>Nano Research</i> , 2021, 14, 1195-1201.	10.4	18
10	Controlled Production of MoS ₂ Full-Scale Nanosheets and Their Strong Size Effects. <i>Advanced Materials Interfaces</i> , 2020, 7, 2001130.	3.7	17
11	Ultrafast Internal Exciton Dissociation through Edge States in MoS ₂ Nanosheets with Diffusion Blocking. <i>Nano Letters</i> , 2022, 22, 5651-5658.	9.1	16
12	Highly Ordered Fe-Au Heterostructured Nanorod Arrays and Their Exceptional Near-Infrared Plasmonic Signature. <i>Langmuir</i> , 2012, 28, 17101-17107.	3.5	13
13	A general strategy for semiconductor quantum dot production. <i>Nanoscale</i> , 2021, 13, 8004-8011.	5.6	13
14	Hybrid Plasmonic Nanostructures with Unconventional Nonlinear Optical Properties. <i>Advanced Optical Materials</i> , 2014, 2, 331-337.	7.3	12
15	A General Strategy for Hybrid Thin Film Fabrication and Transfer onto Arbitrary Substrates. <i>Scientific Reports</i> , 2014, 4, 4822.	3.3	12
16	Robust Assembly of Colloidal Nanoparticles for Controlled-Reflectance Surface Construction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 23773-23779.	8.0	10
17	Tailoring Multi-Walled Carbon Nanotubes into Graphene Quantum Sheets. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47784-47791.	8.0	10
18	Cobalt/nitrogen codoped carbon nanosheets derived from catkins as a high performance non-noble metal electrocatalyst for oxygen reduction reaction and hydrogen evolution reaction. <i>RSC Advances</i> , 2020, 10, 43248-43255.	3.6	10

#	ARTICLE	IF	CITATIONS
19	Scalable production of intrinsic WX ₂ (X=As, Se, Te) quantum sheets for efficient hydrogen evolution electrocatalysis. <i>Nanotechnology</i> , 2021, 32, 495701.	2.6	10
20	Multisegmented Metallic Nanorods: Sub-10 nm Growth, Nanoscale Manipulation, and Subwavelength Imaging. <i>Advanced Materials</i> , 2019, 31, e1804958.	21.0	8
21	Quantum-sized silicon for enhanced photoluminescence and optical nonlinearity. <i>Materials Chemistry Frontiers</i> , 2021, 5, 7817-7823.	5.9	7
22	Ti ₃ AlC ₂ MAX and Ti ₃ C ₂ MXene Quantum Sheets for Record-High Optical Nonlinearity. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 3929-3936.	4.6	7
23	Enhanced Oxygen Reduction Catalysis of Carbon Nanohybrids from Nitrogen-Rich Edges. <i>Langmuir</i> , 2020, 36, 13752-13758.	3.5	5
24	Phase/size dual controlled 2D semiconductor In ₂ X ₃ (X = S, Se, Te) for saturable absorption modulation. <i>Nano Research</i> , 2022, 15, 5633-5639.	10.4	5
25	Rapid and sensitive detection of cardiac troponin I using a force enhanced immunoassay with nanoporous membrane. <i>Nanoscale</i> , 2020, 12, 12568-12577.	5.6	4