

# Yong Zhang

## List of Publications by Year in descending order

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papers

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759233

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docs citations

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times ranked

796  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase/size dual controlled 2D semiconductor In <sub>2</sub> X <sub>3</sub> (X = S, Se, Te) for saturable absorption modulation. Nano Research, 2022, 15, 5633-5639.	10.4	5
2	Ti <sub>3</sub> AlC <sub>2</sub> MAX and Ti <sub>3</sub> C <sub>2</sub> MXene Quantum Sheets for Record-High Optical Nonlinearity. Journal of Physical Chemistry Letters, 2022, 13, 3929-3936.	4.6	7
3	Ultrafast Internal Exciton Dissociation through Edge States in MoS <sub>2</sub> Nanosheets with Diffusion Blocking. Nano Letters, 2022, 22, 5651-5658.	9.1	16
4	Integrated hetero-nanoelectrodes for plasmon-enhanced electrocatalysis of hydrogen evolution. Nano Research, 2021, 14, 1195-1201.	10.4	18
5	Quantum-sized silicon for enhanced photoluminescence and optical nonlinearity. Materials Chemistry Frontiers, 2021, 5, 7817-7823.	5.9	7
6	A general strategy for semiconductor quantum dot production. Nanoscale, 2021, 13, 8004-8011.	5.6	13
7	Nanoscale heterogeneous distribution of surface energy at interlayers in organic bulk-heterojunction solar cells. Joule, 2021, 5, 3154-3168.	24.0	45
8	Scalable production of intrinsic WX <sub>2</sub> (X = S, Se, Te) quantum sheets for efficient hydrogen evolution electrocatalysis. Nanotechnology, 2021, 32, 495701.	2.6	10
9	Inch-Scale Ball-in-Bowl Plasmonic Nanostructure Arrays for Polarization-Independent Second-Harmonic Generation. ACS Nano, 2021, 15, 1291-1300.	14.6	19
10	Controlled Production of MoS <sub>2</sub> Full-Scale Nanosheets and Their Strong Size Effects. Advanced Materials Interfaces, 2020, 7, 2001130.	3.7	17
11	Tailoring Multi-Walled Carbon Nanotubes into Graphene Quantum Sheets. ACS Applied Materials & Interfaces, 2020, 12, 47784-47791.	8.0	10
12	Cobalt/nitrogen codoped carbon nanosheets derived from catkins as a high performance non-noble metal electrocatalyst for oxygen reduction reaction and hydrogen evolution reaction. RSC Advances, 2020, 10, 43248-43255.	3.6	10
13	Enhanced Oxygen Reduction Catalysis of Carbon Nanohybrids from Nitrogen-Rich Edges. Langmuir, 2020, 36, 13752-13758.	3.5	5
14	Biomass-derived nitrogen and sulfur co-doped carbon microtubes for the oxygen reduction reaction. Materials Chemistry Frontiers, 2020, 4, 3251-3257.	5.9	18
15	Rapid and sensitive detection of cardiac troponin I using a force enhanced immunoassay with nanoporous membrane. Nanoscale, 2020, 12, 12568-12577.	5.6	4
16	Robust Assembly of Colloidal Nanoparticles for Controlled-Reflectance Surface Construction. ACS Applied Materials & Interfaces, 2019, 11, 23773-23779.	8.0	10
17	Robust production of 2D quantum sheets from bulk layered materials. Materials Horizons, 2019, 6, 1416-1424.	12.2	28
18	Multisegmented Metallic Nanorods: Sub-10 nm Growth, Nanoscale Manipulation, and Subwavelength Imaging. Advanced Materials, 2019, 31, e1804958.	21.0	8

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19	Cryo-mediated exfoliation and fracturing of layered materials into 2D quantum dots. <i>Science Advances</i> , 2017, 3, e1701500.	10.3	91
20	High-Yield Production of MoS <sub>2</sub> and WS <sub>2</sub> Quantum Sheets from Their Bulk Materials. <i>Nano Letters</i> , 2017, 17, 7767-7772.	9.1	77
21	Hybrid Plasmonic Nanostructures with Unconventional Nonlinear Optical Properties. <i>Advanced Optical Materials</i> , 2014, 2, 331-337.	7.3	12
22	A General Strategy for Hybrid Thin Film Fabrication and Transfer onto Arbitrary Substrates. <i>Scientific Reports</i> , 2014, 4, 4822.	3.3	12
23	Highly Ordered Fe@Au Heterostructured Nanorod Arrays and Their Exceptional Near-Infrared Plasmonic Signature. <i>Langmuir</i> , 2012, 28, 17101-17107.	3.5	13
24	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
25	Magnetic Manipulation and Optical Imaging of an Active Plasmonic Single-Particle Fe@Au Nanorod. <i>Langmuir</i> , 2011, 27, 15292-15298.	3.5	25