

# Yong Zhang

## List of Publications by Year in descending order

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79  
papers

2,623  
citations

147801

31  
h-index

206112

48  
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79  
all docs

79  
docs citations

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times ranked

3976  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrothermal synthesis of layered molybdenum sulfide/N-doped graphene hybrid with enhanced supercapacitor performance. <i>Carbon</i> , 2016, 99, 35-42.	10.3	183
2	A facile synthesis of mesoporous Co <sub>3</sub> O <sub>4</sub> /CeO <sub>2</sub> hybrid nanowire arrays for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10425-10431.	10.3	108
3	MOF-74 derived porous hybrid metal oxide hollow nanowires for high-performance electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8396-8404.	10.3	101
4	A solvent-assisted ligand exchange approach enables metal-organic frameworks with diverse and complex architectures. <i>Nature Communications</i> , 2020, 11, 927.	12.8	93
5	Cryo-mediated exfoliation and fracturing of layered materials into 2D quantum dots. <i>Science Advances</i> , 2017, 3, e1701500.	10.3	91
6	CeO <sub>2</sub> <sup>x</sup> /C/rGO nanocomposites derived from Ce-MOF and graphene oxide as a robust platform for highly sensitive uric acid detection. <i>Nanoscale</i> , 2018, 10, 1939-1945.	5.6	88
7	Z-scheme carbon-bridged Bi <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> nanotube arrays to boost photoelectrochemical detection performance. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 255-263.	20.2	85
8	Tungsten oxide nanowires grown on carbon paper as Pt electrocatalyst support for high performance proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2009, 192, 330-335.	7.8	84
9	3D Coral-Like Ni <sub>3</sub> S <sub>2</sub> on Ni Foam as a Bifunctional Electrocatalyst for Overall Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 31330-31339.	8.0	80
10	Designed growth of WO <sub>3</sub> /PEDOT core/shell hybrid nanorod arrays with modulated electrochromic properties. <i>Chemical Engineering Journal</i> , 2019, 355, 942-951.	12.7	72
11	A high performance electrochemical biosensor based on Cu <sub>2</sub> O@carbon dots for selective and sensitive determination of dopamine in human serum. <i>RSC Advances</i> , 2015, 5, 54102-54108.	3.6	68
12	Size-dependent surface phase change of lithium iron phosphate during carbon coating. <i>Nature Communications</i> , 2014, 5, 3415.	12.8	66
13	Chromate cathode decorated with in-situ growth of copper nanocatalyst for high temperature carbon dioxide electrolysis. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 20888-20897.	7.1	54
14	Water-Soluble Defect-Rich MoS <sub>2</sub> Ultrathin Nanosheets for Enhanced Hydrogen Evolution. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3282-3289.	4.6	50
15	Synthesis and electrochemical properties of LSM and LSF perovskites as anode materials for high temperature steam electrolysis. <i>Journal of Power Sources</i> , 2009, 186, 485-489.	7.8	49
16	Three-Dimensional Hierarchical Structure of Single Crystalline Tungsten Oxide Nanowires: Construction, Phase Transition, and Voltammetric Behavior. <i>Journal of Physical Chemistry C</i> , 2009, 113, 1746-1750.	3.1	49
17	Construction of CuO/Cu <sub>2</sub> O@CoO core shell nanowire arrays for high-performance supercapacitors. <i>Surface and Coatings Technology</i> , 2016, 299, 15-21.	4.8	49
18	Reversibly in-situ anchoring copper nanocatalyst in perovskite titanate cathode for direct high-temperature steam electrolysis. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 5485-5496.	7.1	48

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19	Enhanced photocatalytic performances of ultrafine g-C <sub>3</sub> N <sub>4</sub> nanosheets obtained by gaseous stripping with wet nitrogen. <i>Applied Surface Science</i> , 2018, 427, 730-738.	6.1	47
20	Rational Design of Oxygen Deficiency-Controlled Tungsten Oxide Electrochromic Films with an Exceptional Memory Effect. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 32658-32665.	8.0	46
21	Structure modulated amorphous/crystalline WO <sub>3</sub> nanoporous arrays with superior electrochromic energy storage performance. <i>Solar Energy Materials and Solar Cells</i> , 2020, 212, 110579.	6.2	45
22	Crystalline WO <sub>3</sub> nanowires array sheathed with sputtered amorphous shells for enhanced electrochromic performance. <i>Applied Surface Science</i> , 2019, 498, 143796.	6.1	42
23	Synthesis of porous NiO/CeO <sub>2</sub> hybrid nanoflake arrays as a platform for electrochemical biosensing. <i>Nanoscale</i> , 2016, 8, 770-774.	5.6	41
24	<i>In situ</i> growth of PEDOT/graphene oxide nanostructures with enhanced electrochromic performance. <i>RSC Advances</i> , 2018, 8, 13679-13685.	3.6	41
25	3D boron doped carbon nanorods/carbon-microfiber hybrid composites: synthesis and applications in a highly stable proton exchange membrane fuel cell. <i>Journal of Materials Chemistry</i> , 2011, 21, 18195.	6.7	38
26	MoS <sub>2</sub> quantum dots decorated ultrathin NiO nanosheets for overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 411-418.	9.4	38
27	Ultrathin carbon coated mesoporous Ni-NiFe <sub>2</sub> O <sub>4</sub> nanosheet arrays for efficient overall water splitting. <i>Electrochimica Acta</i> , 2019, 321, 134652.	5.2	37
28	3D carbon coated NiCo <sub>2</sub> S <sub>4</sub> nanowires doped with nitrogen for electrochemical energy storage and conversion. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 449-457.	9.4	37
29	Size-Controlled TiO <sub>2</sub> nanocrystals with exposed {001} and {101} facets strongly linking to graphene oxide via p-Phenylenediamine for efficient photocatalytic degradation of fulvic acids. <i>Journal of Hazardous Materials</i> , 2016, 314, 41-50.	12.4	35
30	Fabrication of WO <sub>3</sub> /TiO <sub>2</sub> core-shell nanowire arrays: Structure design and high electrochromic performance. <i>Electrochimica Acta</i> , 2020, 330, 135189.	5.2	34
31	Carbon-coated tungsten oxide nanowires supported Pt nanoparticles for oxygen reduction. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 4633-4638.	7.1	33
32	Preparation of V <sub>2</sub> O <sub>5</sub> dot-decorated WO <sub>3</sub> nanorod arrays for high performance multi-color electrochromic devices. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12206-12216.	5.5	31
33	Hierarchical NiCo <sub>2</sub> O <sub>4</sub> /MnO <sub>2</sub> core-shell nanosheets arrays for flexible asymmetric supercapacitor. <i>Journal of Materials Science</i> , 2020, 55, 688-700.	3.7	31
34	Robust production of 2D quantum sheets from bulk layered materials. <i>Materials Horizons</i> , 2019, 6, 1416-1424.	12.2	28
35	PEDOT hollow nanospheres for integrated bifunctional electrochromic supercapacitors. <i>Organic Electronics</i> , 2020, 77, 105497.	2.6	28
36	Synthesis of Bi <sub>2</sub> Mo <sub>3</sub> O <sub>12</sub> /TiO <sub>2</sub> Nanotube Arrays for Photoelectrochemical COD Detection Application. <i>Langmuir</i> , 2017, 33, 8933-8942.	3.5	27

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37	Single-phase nickel-doped ceria cathode with in situ grown nickel nanocatalyst for direct high-temperature carbon dioxide electrolysis. <i>RSC Advances</i> , 2014, 4, 40494-40504.	3.6	26
38	Carbon-Coated Self-Assembled Ultrathin T-Nb <sub>2</sub> O <sub>5</sub> Nanosheets for High-Rate Lithium-Ion Storage with Superior Cycling Stability. <i>ACS Applied Energy Materials</i> , 2020, 3, 12037-12045.	5.1	26
39	Nitrogen, sulfur-codoped micro-mesoporous carbon derived from boat-fruited sterculia seed for robust lithium-sulfur batteries. <i>RSC Advances</i> , 2019, 9, 15715-15726.	3.6	24
40	Self-assembly of OD/2D homostructure for enhanced hydrogen evolution. <i>Materials Today</i> , 2020, 36, 83-90.	14.2	24
41	Controlled synthesis of MnO <sub>2</sub> @TiO <sub>2</sub> hybrid nanotube arrays with enhanced oxygen evolution reaction performance. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 14369-14378.	7.1	22
42	Fabrication of CoFe/N-doped mesoporous carbon hybrids from Prussian blue analogous as high performance cathodes for lithium-sulfur batteries. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 20257-20266.	7.1	20
43	Hydrothermal synthesis of well-standing MnO <sub>2</sub> nanoplatelets on nitrogen-doped reduced graphene oxide for high-performance supercapacitor. <i>Journal of Alloys and Compounds</i> , 2019, 787, 309-317.	5.5	19
44	In situ W/O Co-doped hollow carbon nitride tubular structures with enhanced visible-light-driven photocatalytic performance for hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 234-246.	7.1	19
45	Integration of mesoporous nickel cobalt oxide nanosheets with ultrathin layer carbon wrapped TiO <sub>2</sub> nanotube arrays for high-performance supercapacitors. <i>New Journal of Chemistry</i> , 2016, 40, 6881-6889.	2.8	18
46	Effect of conductive PANI vs. insulative PS shell coated Ni nanochains on electromagnetic wave absorption. <i>Journal of Alloys and Compounds</i> , 2020, 821, 153531.	5.5	18
47	Metal-organic framework-derived porous Cu <sub>2</sub> O/Cu@C core-shell nanowires and their application in uric acid biosensor. <i>Applied Surface Science</i> , 2020, 506, 144662.	6.1	18
48	Controlled Production of MoS <sub>2</sub> Full-Scale Nanosheets and Their Strong Size Effects. <i>Advanced Materials Interfaces</i> , 2020, 7, 2001130.	3.7	17
49	One-step electrodeposition of Co <sub>0.12</sub> Ni <sub>1.88</sub> S <sub>2</sub> @Co <sub>8</sub> S <sub>9</sub> nanoparticles on highly conductive TiO <sub>2</sub> nanotube arrays for battery-type electrodes with enhanced energy storage performance. <i>Journal of Power Sources</i> , 2017, 364, 400-409.	7.8	17
50	CoO Quantum Dots Anchored on Reduced Graphene Oxide Aerogels for Lithium-Ion Storage. <i>ACS Applied Nano Materials</i> , 2020, 3, 10369-10379.	5.0	16
51	Tuning Morphology and Electronic Structure of Amorphous NiFeB Nanosheets for Enhanced Electrochemical N <sub>2</sub> Reduction. <i>ACS Applied Energy Materials</i> , 2020, 3, 9516-9522.	5.1	16
52	Synthesis of W <sub>2</sub> N nanorods-graphene hybrid structure with enhanced oxygen reduction reaction performance. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 25924-25932.	7.1	14
53	Directly Exfoliated Ultrathin Silicon Nanosheets for Enhanced Photocatalytic Hydrogen Production. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8668-8674.	4.6	14
54	A general strategy for semiconductor quantum dot production. <i>Nanoscale</i> , 2021, 13, 8004-8011.	5.6	13

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55	Graphene quantum dots interfacial-decorated hierarchical Ni/PS core/shell nanocapsules for tunable microwave absorption. <i>Journal of Alloys and Compounds</i> , 2020, 848, 156529.	5.5	12
56	Construction of three-dimensional hierarchical Pt/TiO <sub>2</sub> @C nanowires with enhanced methanol oxidation properties. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 33440-33447.	7.1	12
57	Rational construction of porous amorphous WO <sub>3</sub> nanostructures with high electrochromic energy storage performance: Effect of temperature. <i>Journal of Non-Crystalline Solids</i> , 2020, 549, 120337.	3.1	12
58	Designed Construction of SrTiO <sub>3</sub> /SrSO <sub>4</sub> /Pt Heterojunctions with Boosted Photocatalytic H <sub>2</sub> Evolution Activity. <i>Chemistry - A European Journal</i> , 2021, 27, 7300-7306.	3.3	12
59	In-situ synthesis of carbon-coated Î <sup>2</sup> -NiS nanocrystals for hydrogen evolution reaction in both acidic and alkaline solution. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 16061-16067.	7.1	11
60	Controlled growth of porous oxygen-deficient NiCo <sub>2</sub> O <sub>4</sub> nanobelts as high-efficiency electrocatalysts for oxygen evolution reaction. <i>Catalysis Science and Technology</i> , 2021, 11, 264-271.	4.1	11
61	Pseudocapacitive TiNb <sub>2</sub> O <sub>7</sub> /reduced graphene oxide nanocomposite for high-rate lithium ion hybrid capacitors. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 385-394.	9.4	11
62	Supercapacitive performance of single phase CuO nanosheet arrays with ultra-long cycling stability. <i>Journal of Alloys and Compounds</i> , 2018, 753, 731-739.	5.5	10
63	Tailoring Multi-Walled Carbon Nanotubes into Graphene Quantum Sheets. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 47784-47791.	8.0	10
64	Synthesis of SrTiO <sub>3</sub> submicron cubes with simultaneous and competitive photocatalytic activity for H <sub>2</sub> O splitting and CO <sub>2</sub> reduction. <i>RSC Advances</i> , 2020, 10, 42619-42627.	3.6	10
65	Scalable production of intrinsic WX <sub>2</sub> (X=As, Se, Te) quantum sheets for efficient hydrogen evolution electrocatalysis. <i>Nanotechnology</i> , 2021, 32, 495701.	2.6	10
66	Designing core-shell metal-organic framework hybrids: toward high-efficiency electrochemical potassium storage. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26181-26188.	10.3	10
67	A surface precleaning strategy intensifies the interface coupling of the Bi <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> heterostructure for enhanced photoelectrochemical detection properties. <i>Materials Chemistry Frontiers</i> , 2020, 4, 638-644.	5.9	9
68	Nanoporous carbon nanowires derived from one-dimensional metal-organic framework core-shell hybrids for enhanced electrochemical energy storage. <i>Applied Surface Science</i> , 2022, 576, 151800.	6.1	9
69	Carbon Nanolayer-Wrapped Mesoporous TiO <sub>2</sub> @B/Anatase for Li <sup>+</sup> Storage. <i>ACS Applied Nano Materials</i> , 2021, 4, 7832-7839.	5.0	8
70	Construction of WO <sub>3</sub> /Ti-doped WO <sub>3</sub> bi-layer nanopore arrays with superior electrochromic and capacitive performances. <i>Tungsten</i> , 2019, 1, 236-244.	4.8	7
71	Tunable Synthesis of 3D Niobium Oxynitride Nanosheets for Lithium-Ion Hybrid Capacitors with High Energy/Power Density. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 14569-14578.	6.7	7
72	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. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 3929-3936.	4.6	7

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73	In-situ constructing hybrid oxygen electrode of porous Co <sub>3</sub> O <sub>4</sub> nanowire array on La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> for steam electrolysis. International Journal of Hydrogen Energy, 2016, 41, 5428-5436.	7.1	6
74	Enhanced Oxygen Reduction Catalysis of Carbon Nanohybrids from Nitrogen-Rich Edges. Langmuir, 2020, 36, 13752-13758.	3.5	5
75	Enhanced Energy Storage Performance of 3D Hybrid Metal Sulfides via Synergistic Engineering of Architecture and Composition. ACS Sustainable Chemistry and Engineering, 2020, 8, 11491-11500.	6.7	5
76	In-situ constructing NiO nanoplatelets network on La <sub>0.75</sub> Sr <sub>0.25</sub> Mn <sub>0.5</sub> Cr <sub>0.5</sub> O <sub>3-<math>\delta</math></sub> electrode with enhanced steam electrolysis. International Journal of Hydrogen Energy, 2017, 42, 5657-5666.	7.1	4
77	High-yielding preparation of hierarchically branched carbon nanotubes derived from zeolitic imidazolate frameworks for enhanced electrochemical K <sup>+</sup> storage. Dalton Transactions, 2022, 51, 5441-5447.	3.3	4
78	Hierarchical Hybrid of Few-Layer Graphene upon Tungsten Monocarbide Nanowires: Controlled Synthesis and Electrocatalytic Performance for Methanol Oxidation. ACS Applied Energy Materials, 2019, 2, 328-337.	5.1	3
79	In-situ construction of NiCo <sub>2</sub> O <sub>4</sub> nanoarrays on La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3-<math>\delta</math></sub> electrodes for intermediate temperature solid oxide fuel cells. Journal of Solid State Electrochemistry, 2018, 22, 2367-2374.	2.5	0