

Yong Zhang

List of Publications by Year in descending order

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79
papers

2,623
citations

147801

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79
docs citations

79
times ranked

3976
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoporous carbon nanowires derived from one-dimensional metal-organic framework core-shell hybrids for enhanced electrochemical energy storage. Applied Surface Science, 2022, 576, 151800.	6.1	9
2	Pseudocapacitive TiNb ₂ O ₇ /reduced graphene oxide nanocomposite for high-rate lithium ion hybrid capacitors. Journal of Colloid and Interface Science, 2022, 610, 385-394.	9.4	11
3	High-yielding preparation of hierarchically branched carbon nanotubes derived from zeolitic imidazolate frameworks for enhanced electrochemical K ⁺ storage. Dalton Transactions, 2022, 51, 5441-5447.	3.3	4
4	Ti ₃ AlC ₂ MAX and Ti ₃ C ₂ MXene Quantum Sheets for Record-High Optical Nonlinearity. Journal of Physical Chemistry Letters, 2022, 13, 3929-3936.	4.6	7
5	In situ W/O Co-doped hollow carbon nitride tubular structures with enhanced visible-light-driven photocatalytic performance for hydrogen evolution. International Journal of Hydrogen Energy, 2021, 46, 234-246.	7.1	19
6	Controlled growth of porous oxygen-deficient NiCo ₂ O ₄ nanobelts as high-efficiency electrocatalysts for oxygen evolution reaction. Catalysis Science and Technology, 2021, 11, 264-271.	4.1	11
7	A general strategy for semiconductor quantum dot production. Nanoscale, 2021, 13, 8004-8011.	5.6	13
8	Designed Construction of SrTiO ₃ /SrSO ₄ /Pt Heterojunctions with Boosted Photocatalytic H ₂ Evolution Activity. Chemistry - A European Journal, 2021, 27, 7300-7306.	3.3	12
9	Carbon Nanolayer-Wrapped Mesoporous TiO ₂ @B/Anatase for Li ⁺ Storage. ACS Applied Nano Materials, 2021, 4, 7832-7839.	5.0	8
10	Scalable production of intrinsic WX ₂ (X=As, Se, Te) quantum sheets for efficient hydrogen evolution electrocatalysis. Nanotechnology, 2021, 32, 495701.	2.6	10
11	Designing core-shell metal-organic framework hybrids: toward high-efficiency electrochemical potassium storage. Journal of Materials Chemistry A, 2021, 9, 26181-26188.	10.3	10
12	Tunable Synthesis of 3D Niobium Oxynitride Nanosheets for Lithium-Ion Hybrid Capacitors with High Energy/Power Density. ACS Sustainable Chemistry and Engineering, 2021, 9, 14569-14578.	6.7	7
13	Hierarchical NiCo ₂ O ₄ /MnO ₂ core-shell nanosheets arrays for flexible asymmetric supercapacitor. Journal of Materials Science, 2020, 55, 688-700.	3.7	31
14	Fabrication of WO ₃ /TiO ₂ core-shell nanowire arrays: Structure design and high electrochromic performance. Electrochimica Acta, 2020, 330, 135189.	5.2	34
15	PEDOT hollow nanospheres for integrated bifunctional electrochromic supercapacitors. Organic Electronics, 2020, 77, 105497.	2.6	28
16	A surface precleaning strategy intensifies the interface coupling of the Bi ₂ O ₃ /TiO ₂ heterostructure for enhanced photoelectrochemical detection properties. Materials Chemistry Frontiers, 2020, 4, 638-644.	5.9	9
17	Effect of conductive PANI vs. insulative PS shell coated Ni nanochains on electromagnetic wave absorption. Journal of Alloys and Compounds, 2020, 821, 153531.	5.5	18
18	Metal-organic framework-derived porous Cu ₂ O/Cu@C core-shell nanowires and their application in uric acid biosensor. Applied Surface Science, 2020, 506, 144662.	6.1	18

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19	Controlled Production of MoS ₂ Full-Scale Nanosheets and Their Strong Size Effects. <i>Advanced Materials Interfaces</i> , 2020, 7, 2001130.	3.7	17
20	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
21	Tuning Morphology and Electronic Structure of Amorphous NiFeB Nanosheets for Enhanced Electrochemical N ₂ Reduction. <i>ACS Applied Energy Materials</i> , 2020, 3, 9516-9522.	5.1	16
22	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
23	Tailoring Multi-Walled Carbon Nanotubes into Graphene Quantum Sheets. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47784-47791.	8.0	10
24	Synthesis of SrTiO ₃ submicron cubes with simultaneous and competitive photocatalytic activity for H ₂ O splitting and CO ₂ reduction. <i>RSC Advances</i> , 2020, 10, 42619-42627.	3.6	10
25	Construction of three-dimensional hierarchical Pt/TiO ₂ @C nanowires with enhanced methanol oxidation properties. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 33440-33447.	7.1	12
26	Enhanced Oxygen Reduction Catalysis of Carbon Nanohybrids from Nitrogen-Rich Edges. <i>Langmuir</i> , 2020, 36, 13752-13758.	3.5	5
27	Rational construction of porous amorphous WO ₃ nanostructures with high electrochromic energy storage performance: Effect of temperature. <i>Journal of Non-Crystalline Solids</i> , 2020, 549, 120337.	3.1	12
28	Directly Exfoliated Ultrathin Silicon Nanosheets for Enhanced Photocatalytic Hydrogen Production. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8668-8674.	4.6	14
29	Carbon-Coated Self-Assembled Ultrathin T-Nb ₂ O ₅ Nanosheets for High-Rate Lithium-Ion Storage with Superior Cycling Stability. <i>ACS Applied Energy Materials</i> , 2020, 3, 12037-12045.	5.1	26
30	Enhanced Energy Storage Performance of 3D Hybrid Metal Sulfides via Synergistic Engineering of Architecture and Composition. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11491-11500.	6.7	5
31	Self-assembly of 0D/2D homostructure for enhanced hydrogen evolution. <i>Materials Today</i> , 2020, 36, 83-90.	14.2	24
32	Rational Design of Oxygen Deficiency-Controlled Tungsten Oxide Electrochromic Films with an Exceptional Memory Effect. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32658-32665.	8.0	46
33	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
34	MoS ₂ 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
35	Structure modulated amorphous/crystalline WO ₃ nanoporous arrays with superior electrochromic energy storage performance. <i>Solar Energy Materials and Solar Cells</i> , 2020, 212, 110579.	6.2	45
36	Ultrathin carbon coated mesoporous Ni-NiFe ₂ O ₄ nanosheet arrays for efficient overall water splitting. <i>Electrochimica Acta</i> , 2019, 321, 134652.	5.2	37

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37	Construction of WO ₃ /Ti-doped WO ₃ bi-layer nanopore arrays with superior electrochromic and capacitive performances. <i>Tungsten</i> , 2019, 1, 236-244.	4.8	7
38	Hierarchical Hybrid of Few-Layer Graphene upon Tungsten Monocarbide Nanowires: Controlled Synthesis and Electrocatalytic Performance for Methanol Oxidation. <i>ACS Applied Energy Materials</i> , 2019, 2, 328-337.	5.1	3
39	3D carbon coated NiCo ₂ S ₄ 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
40	Crystalline WO ₃ nanowires array sheathed with sputtered amorphous shells for enhanced electrochromic performance. <i>Applied Surface Science</i> , 2019, 498, 143796.	6.1	42
41	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
42	Water-Soluble Defect-Rich MoS ₂ Ultrathin Nanosheets for Enhanced Hydrogen Evolution. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3282-3289.	4.6	50
43	Robust production of 2D quantum sheets from bulk layered materials. <i>Materials Horizons</i> , 2019, 6, 1416-1424.	12.2	28
44	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
45	Z-scheme carbon-bridged Bi ₂ O ₃ /TiO ₂ nanotube arrays to boost photoelectrochemical detection performance. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 255-263.	20.2	85
46	Hydrothermal synthesis of well-standing γ -MnO ₂ 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
47	Designed growth of WO ₃ /PEDOT core/shell hybrid nanorod arrays with modulated electrochromic properties. <i>Chemical Engineering Journal</i> , 2019, 355, 942-951.	12.7	72
48	<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
49	In-situ construction of NiCo ₂ O ₄ nanoarrays on La _{0.8} Sr _{0.2} MnO _{3-δ} electrodes for intermediate temperature solid oxide fuel cells. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 2367-2374.	2.5	0
50	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
51	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
52	Enhanced photocatalytic performances of ultrafine g-C ₃ N ₄ nanosheets obtained by gaseous stripping with wet nitrogen. <i>Applied Surface Science</i> , 2018, 427, 730-738.	6.1	47
53	CeO _{2-x} /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
54	Preparation of V ₂ O ₅ dot-decorated WO ₃ nanorod arrays for high performance multi-color electrochromic devices. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12206-12216.	5.5	31

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55	In-situ synthesis of carbon-coated 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
56	Controlled synthesis of $\text{MnO}_2 @ \text{TiO}_2$ hybrid nanotube arrays with enhanced oxygen evolution reaction performance. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 14369-14378.	7.1	22
57	3D Coral-Like Ni_3S_2 on Ni Foam as a Bifunctional Electrocatalyst for Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31330-31339.	8.0	80
58	In-situ constructing NiO nanoplatelets network on $\text{La}_{0.75}\text{Sr}_{0.25}\text{Mn}_{0.5}\text{Cr}_{0.5}\text{O}_{3-\delta}$ electrode with enhanced steam electrolysis. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 5657-5666.	7.1	4
59	Synthesis of W_2N nanorods-graphene hybrid structure with enhanced oxygen reduction reaction performance. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 25924-25932.	7.1	14
60	Synthesis of $\text{Bi}_2\text{Mo}_3\text{O}_{12} / \text{TiO}_2$ Nanotube Arrays for Photoelectrochemical COD Detection Application. <i>Langmuir</i> , 2017, 33, 8933-8942.	3.5	27
61	Cryo-mediated exfoliation and fracturing of layered materials into 2D quantum dots. <i>Science Advances</i> , 2017, 3, e1701500.	10.3	91
62	One-step electrodeposition of $\text{Co}_{0.12}\text{Ni}_{1.88}\text{S}_2 @ \text{Co}_8\text{S}_9$ nanoparticles on highly conductive TiO_2 nanotube arrays for battery-type electrodes with enhanced energy storage performance. <i>Journal of Power Sources</i> , 2017, 364, 400-409.	7.8	17
63	In-situ constructing hybrid oxygen electrode of porous Co_3O_4 nanowire array on $\text{La}_{0.8}\text{Sr}_{0.2}\text{MnO}_{3-\delta}$ for steam electrolysis. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 5428-5436.	7.1	6
64	Size-Controlled TiO_2 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
65	Construction of $\text{CuO}/\text{Cu}_2\text{O} @ \text{CoO}$ core shell nanowire arrays for high-performance supercapacitors. <i>Surface and Coatings Technology</i> , 2016, 299, 15-21.	4.8	49
66	Integration of mesoporous nickel cobalt oxide nanosheets with ultrathin layer carbon wrapped TiO_2 nanotube arrays for high-performance supercapacitors. <i>New Journal of Chemistry</i> , 2016, 40, 6881-6889.	2.8	18
67	Hydrothermal synthesis of layered molybdenum sulfide/N-doped graphene hybrid with enhanced supercapacitor performance. <i>Carbon</i> , 2016, 99, 35-42.	10.3	183
68	Synthesis of porous NiO/CeO_2 hybrid nanoflake arrays as a platform for electrochemical biosensing. <i>Nanoscale</i> , 2016, 8, 770-774.	5.6	41
69	A high performance electrochemical biosensor based on Cu_2O carbon dots for selective and sensitive determination of dopamine in human serum. <i>RSC Advances</i> , 2015, 5, 54102-54108.	3.6	68
70	A facile synthesis of mesoporous $\text{Co}_3\text{O}_4 / \text{CeO}_2$ hybrid nanowire arrays for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10425-10431.	10.3	108
71	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
72	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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73	Size-dependent surface phase change of lithium iron phosphate during carbon coating. <i>Nature Communications</i> , 2014, 5, 3415.	12.8	66
74	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
75	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
76	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
77	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
78	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
79	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