

Yang Zhao

List of Publications by Year in descending order

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papers

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81900

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124
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times ranked

14433
citing authors

#	ARTICLE	IF	CITATIONS
1	Vertically Aligned Graphene Sheets Membrane for Highly Efficient Solar Thermal Generation of Clean Water. ACS Nano, 2017, 11, 5087-5093.	14.6	871
2	Highly Compression-Tolerant Supercapacitor Based on Polypyrrole-mediated Graphene Foam Electrodes. Advanced Materials, 2013, 25, 591-595.	21.0	745
3	A Versatile, Ultralight, Nitrogen-Doped Graphene Framework. Angewandte Chemie - International Edition, 2012, 51, 11371-11375.	13.8	731
4	Graphene-based smart materials. Nature Reviews Materials, 2017, 2, .	48.7	569
5	Graphitic Carbon Nitride Nanoribbons: Graphene-Assisted Formation and Synergic Function for Highly Efficient Hydrogen Evolution. Angewandte Chemie - International Edition, 2014, 53, 13934-13939.	13.8	470
6	A Graphitic ₃ N ₄ Seaweed Architecture for Enhanced Hydrogen Evolution. Angewandte Chemie - International Edition, 2015, 54, 11433-11437.	13.8	433
7	Small-Molecule-Driven Direct Reprogramming of Mouse Fibroblasts into Functional Neurons. Cell Stem Cell, 2015, 17, 195-203.	11.1	358
8	Facile preparation, high microwave absorption and microwave absorbing mechanism of RGO-Fe ₃ O ₄ composites. RSC Advances, 2013, 3, 23638.	3.6	346
9	A XEN-like State Bridges Somatic Cells to Pluripotency during Chemical Reprogramming. Cell, 2015, 163, 1678-1691.	28.9	210
10	A Wheat Allene Oxide Cyclase Gene Enhances Salinity Tolerance via Jasmonate Signaling. Plant Physiology, 2014, 164, 1068-1076.	4.8	198
11	Preparation of Monolayer MoS ₂ Quantum Dots using Temporally Shaped Femtosecond Laser Ablation of Bulk MoS ₂ Targets in Water. Scientific Reports, 2017, 7, 11182.	3.3	167
12	Inhibiting Metastasis and Preventing Tumor Relapse by Triggering Host Immunity with Tumor-Targeted Photodynamic Therapy Using Photosensitizer-Loaded Functional Nanographenes. ACS Nano, 2017, 11, 10147-10158.	14.6	164
13	Large-Scale Spinning Assembly of Neat, Morphology-Defined, Graphene-Based Hollow Fibers. ACS Nano, 2013, 7, 2406-2412.	14.6	137
14	Graphene Oxide Nanoribbon Assembly toward Moisture-Powered Information Storage. Advanced Materials, 2017, 29, 1604972.	21.0	118
15	Graphitic Carbon Nitride/Graphene Hybrids as New Active Materials for Energy Conversion and Storage. ChemNanoMat, 2015, 1, 298-318.	2.8	117
16	Generation of Naive Induced Pluripotent Stem Cells from Rhesus Monkey Fibroblasts. Cell Stem Cell, 2014, 15, 488-497.	11.1	110
17	MoS ₂ nanosheet/MoS ₂ -C-embedded N-doped carbon nanotubes: synthesis and electrocatalytic hydrogen evolution performance. Journal of Materials Chemistry A, 2014, 2, 18715-18719.	10.3	109
18	Mammalian target of rapamycin signaling inhibition ameliorates vascular calcification via Klotho upregulation. Kidney International, 2015, 88, 711-721.	5.2	98

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19	A novel silver nanocluster in situ synthesized as versatile probe for electrochemiluminescence and electrochemical detection of thrombin by multiple signal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2017, 94, 243-249.	10.1	86
20	Noninvasive Imaging of CD206-Positive M2 Macrophages as an Early Biomarker for Post-Chemotherapy Tumor Relapse and Lymph Node Metastasis. <i>Theranostics</i> , 2017, 7, 4276-4288.	10.0	85
21	Solution-Processed Ultraelastic and Strong Air-Bubbled Graphene Foams. <i>Small</i> , 2016, 12, 3229-3234.	10.0	83
22	A General and Extremely Simple Remote Approach toward Graphene Bulks with In Situ Multifunctionalization. <i>Advanced Materials</i> , 2016, 28, 3305-3312.	21.0	79
23	A Graphene Fibriform Responser for Sensing Heat, Humidity, and Mechanical Changes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14951-14955.	13.8	77
24	High H ₂ /CO Ratio Syngas Production from Chemical Looping Gasification of Sawdust in a Dual Fluidized Bed Gasifier. <i>Energy & Fuels</i> , 2016, 30, 1764-1770.	5.1	77
25	Effect of extremely aggressive environment on the nature of corrosion scales of HP-13Cr stainless steel. <i>Applied Surface Science</i> , 2019, 469, 146-161.	6.1	72
26	Laser-Assisted Large-Scale Fabrication of All-Solid-State Asymmetrical Micro-Supercapacitor Array. <i>Small</i> , 2018, 14, e1801809.	10.0	68
27	A rationally-designed synergetic polypyrrole/graphene bilayer actuator. <i>Journal of Materials Chemistry</i> , 2012, 22, 4015.	6.7	66
28	Electrochemically activated-iron oxide nanosheet arrays on carbon fiber cloth as a three-dimensional self-supported electrode for efficient water oxidation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6048-6055.	10.3	66
29	Enhancing Anti-PD-1/PD-L1 Immune Checkpoint Inhibitory Cancer Therapy by CD276-Targeted Photodynamic Ablation of Tumor Cells and Tumor Vasculature. <i>Molecular Pharmaceutics</i> , 2019, 16, 339-348.	4.6	66
30	Preparation of hollow Zn ₂ SnO ₄ boxes for advanced lithium-ion batteries. <i>RSC Advances</i> , 2013, 3, 14480.	3.6	62
31	Growth of Hollow Transition Metal (Fe, Co, Ni) Oxide Nanoparticles on Graphene Sheets through Kirkendall Effect as Anodes for High-Performance Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2016, 22, 1638-1645.	3.3	55
32	Exceptional High and Reversible Ammonia Uptake by Two Dimension Few-layer Bil ₃ Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 25918-25925.	8.0	54
33	Electrochemical deposition of polyaniline nanosheets mediated by sulfonated polyaniline functionalized graphenes. <i>Journal of Materials Chemistry</i> , 2011, 21, 13978.	6.7	51
34	Effect of Cu Addition to 2205 Duplex Stainless Steel on the Resistance against Pitting Corrosion by the <i>Pseudomonas aeruginosa</i> Biofilm. <i>Journal of Materials Science and Technology</i> , 2017, 33, 723-727.	10.7	50
35	Graphene-Supported Ce-SnS ₂ Nanocomposite as Anode Material for Lithium-Ion Batteries. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2190-2196.	3.8	47
36	FeNi Layered Double-Hydroxide Nanosheets on a 3D Carbon Network as an Efficient Electrocatalyst for the Oxygen Evolution Reaction. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 158-166.	2.3	43

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37	Pourbaix diagram for HP-13Cr stainless steel in the aggressive oilfield environment characterized by high temperature, high CO ₂ partial pressure and high salinity. <i>Electrochimica Acta</i> , 2019, 293, 116-127.	5.2	38
38	Super-long aligned TiO ₂ /carbon nanotube arrays. <i>Nanotechnology</i> , 2010, 21, 505702.	2.6	37
39	Silver nanoclusters-assisted ion-exchange reaction with CdTe quantum dots for photoelectrochemical detection of adenosine by target-triggering multiple-cycle amplification strategy. <i>Biosensors and Bioelectronics</i> , 2018, 110, 239-245.	10.1	37
40	Thermally assisted self-healing behavior of anhydride modified polybenzoxazines based on transesterification. <i>Scientific Reports</i> , 2018, 8, 10325.	3.3	36
41	A putative pyruvate transporter TaBASS2 positively regulates salinity tolerance in wheat via modulation of ABI4 expression. <i>BMC Plant Biology</i> , 2016, 16, 109.	3.6	34
42	Cholinium ionic liquids as cheap and reusable catalysts for the synthesis of coumarins via Pechmann reaction under solvent-free conditions. <i>RSC Advances</i> , 2014, 4, 22946-22950.	3.6	33
43	Antibacterial cotton fabric with enhanced durability prepared using L-cysteine and silver nanoparticles. <i>Fibers and Polymers</i> , 2017, 18, 2204-2211.	2.1	33
44	Mild palladium-catalysed highly efficient hydrogenation of C=C, C=O, and C=O bonds using H ₂ of 1 atm in H ₂ O. <i>Green Chemistry</i> , 2019, 21, 830-838.	9.0	33
45	A coupled conductor of ionic liquid with Ti ₃ C ₂ MXene to improve electrochemical properties. <i>Journal of Materials Chemistry A</i> , 2021, 9, 442-452.	10.3	32
46	Leucine supplementation via drinking water reduces atherosclerotic lesions in apoE null mice. <i>Acta Pharmacologica Sinica</i> , 2016, 37, 196-203.	6.1	31
47	Botryoidal hollow Zn ₂ SnO ₄ boxes@graphene as anode materials for advanced lithium-ion batteries. <i>RSC Advances</i> , 2013, 3, 23489.	3.6	30
48	Femtosecond laser rapid fabrication of large-area rose-like micropatterns on freestanding flexible graphene films. <i>Scientific Reports</i> , 2015, 5, 17557.	3.3	30
49	Nanostructured molybdenum phosphide/N,P dual-doped carbon nanotube composite as electrocatalysts for hydrogen evolution. <i>RSC Advances</i> , 2016, 6, 7370-7377.	3.6	30
50	DCC-Mediated Dab1 Phosphorylation Participates in the Multipolar-to-Bipolar Transition of Migrating Neurons. <i>Cell Reports</i> , 2018, 22, 3598-3611.	6.4	30
51	SET7/9 promotes multiple malignant processes in breast cancer development via RUNX2 activation and is negatively regulated by TRIM21. <i>Cell Death and Disease</i> , 2020, 11, 151.	6.3	28
52	Tailoring Multiple Sites of Metal-Organic Frameworks for Highly Efficient and Reversible Ammonia Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 56025-56034.	8.0	28
53	Enabling fast-charging selenium-based aqueous batteries via conversion reaction with copper ions. <i>Nature Communications</i> , 2022, 13, 1863.	12.8	27
54	A versatile, superelastic polystyrene/graphene capsule-like framework. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10118-10123.	10.3	26

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55	A Cascade Battery: Coupling Two Sequential Electrochemical Reactions in a Single Battery. <i>Advanced Materials</i> , 2021, 33, e2105480.	21.0	25
56	Microarray Expression Profile of Circular RNAs in Plasma from Primary Biliary Cholangitis Patients. <i>Cellular Physiology and Biochemistry</i> , 2017, 44, 1271-1281.	1.6	24
57	The coordination between ZNF217 and LSD1 contributes to hepatocellular carcinoma progress and is negatively regulated by miR-101. <i>Experimental Cell Research</i> , 2019, 379, 1-10.	2.6	24
58	Hydrogen bonds in the crystal structure of hydrophobic and hydrophilic COOH-functionalized imidazolium ionic liquids. <i>CrystEngComm</i> , 2014, 16, 3040-3046.	2.6	23
59	Establishment and growth responses of Nile tilapia embryonic stem-like cell lines under feeder-free condition. <i>Development Growth and Differentiation</i> , 2017, 59, 83-93.	1.5	23
60	The Emerging of Aqueous Zinc-Based Dual Electrolytic Batteries. <i>Small</i> , 2021, 17, e2008043.	10.0	23
61	ICAM-1 orchestrates the abscopal effect of tumor radiotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	22
62	Photo-isomerization and light-modulated aggregation behavior of azobenzene-based ionic liquids in aqueous solutions. <i>RSC Advances</i> , 2017, 7, 44688-44695.	3.6	21
63	Significant Improvement on Polybenzoxazine Toughness Achieved by Amine/Benzoxazine Copolymerization-Induced Phase Separation. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700517.	2.2	21
64	Transforming compound leaf patterning by manipulating REVOLUTA in <i>Medicago truncatula</i> . <i>Plant Journal</i> , 2019, 100, 562-571.	5.7	20
65	<i>AGLF</i> provides C-function in floral organ identity through transcriptional regulation of <i>AGAMOUS</i> in <i>Medicago truncatula</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5176-5181.	7.1	20
66	Polymeric tungsten carbide nanoclusters: structural evolution, ligand modulation, and assembled nanomaterials. <i>Nanoscale</i> , 2019, 11, 19903-19911.	5.6	20
67	Graphene supported Li ₂ SnO ₃ as anode material for lithium-ion batteries. <i>Electronic Materials Letters</i> , 2013, 9, 683-686.	2.2	19
68	Real-Time Detection Reveals Responsive Cotranscriptional Formation of Persistent Intramolecular DNA and Intermolecular DNA:RNA Hybrid G-Quadruplexes Stabilized by R-Loop. <i>Analytical Chemistry</i> , 2017, 89, 6036-6042.	6.5	19
69	Silver-Sulfur Hybrid Supertetrahedral Clusters: The Hitherto Missing Members in the Metal-Chalcogenide Tetrahedral Clusters. <i>Chemistry - A European Journal</i> , 2017, 23, 14420-14424.	3.3	19
70	Fast constructing polarity-switchable zinc-bromine microbatteries with high areal energy density. <i>Science Advances</i> , 2022, 8, .	10.3	19
71	Reversible Switching of Amphiphilic Self-Assemblies of Ionic Liquids between Micelle and Vesicle by CO ₂ . <i>Langmuir</i> , 2016, 32, 6895-6901.	3.5	18
72	Wnt1 inhibits vascular smooth muscle cell calcification by promoting ANKH expression. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 135, 10-21.	1.9	18

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73	MTA2-mediated inhibition of PTEN leads to pancreatic ductal adenocarcinoma carcinogenicity. <i>Cell Death and Disease</i> , 2019, 10, 206.	6.3	18
74	Adsorption energy as a promising single-parameter descriptor for single atom catalysis in the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6442-6450.	10.3	18
75	An efficient and reusable ionic liquid catalyst for the synthesis of 14-aryl-14H-dibenzo[a,j]xanthenes under solvent-free conditions. <i>RSC Advances</i> , 2014, 4, 36031-36035.	3.6	17
76	Facile Fabrication of Ultraflexible Transparent Electrodes Using Embedded Copper Networks for Wearable Pressure Sensors. <i>Advanced Materials Technologies</i> , 2020, 5, 1900823.	5.8	17
77	Homocysteine promotes hepatic steatosis by activating the adipocyte lipolysis in a HIF1 α -ERO1 α -dependent oxidative stress manner. <i>Redox Biology</i> , 2020, 37, 101742.	9.0	17
78	NSun2 regulates aneurysm formation by promoting autotaxin expression and T cell recruitment. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 1709-1727.	5.4	17
79	Multifractal Analysis and Neural Network Prediction of Pore Structures in Coal Reservoirs Based on NMR T_2 Spectra. <i>Energy & Fuels</i> , 2021, 35, 11306-11318.	5.1	17
80	Chemotherapy-Induced Macrophage Infiltration into Tumors Enhances Nanographene-Based Photodynamic Therapy. <i>Cancer Research</i> , 2017, 77, 6021-6032.	0.9	16
81	Noninvasive small-animal imaging of galectin-1 upregulation for predicting tumor resistance to radiotherapy. <i>Biomaterials</i> , 2018, 158, 1-9.	11.4	15
82	How Does the Moisture Affect CO ₂ Absorption by a Glycinate Ionic Liquid?. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 853-862.	6.7	15
83	Identification, Prokaryote Expression of Medaka <i>gdnfa/b</i> and Their Biological Activity in a Spermatogonial Cell Line. <i>Stem Cells and Development</i> , 2017, 26, 197-205.	2.1	14
84	Noninvasive PET tracking of post-transplant gut microbiota in living mice. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 991-1002.	6.4	14
85	Highly Dispersed Ionic Liquids in Mesoporous Molecular Sieves Enable a Record NH ₃ Absorption. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 16363-16372.	6.7	14
86	Dietary Betaine Addition Promotes Hepatic Cholesterol Synthesis, Bile Acid Conversion, and Export in Rats. <i>Nutrients</i> , 2020, 12, 1399.	4.1	12
87	Elevations of monocyte and neutrophils, and higher levels of granulocyte colony-stimulating factor in peripheral blood in lung cancer patients. <i>Thoracic Cancer</i> , 2021, 12, 2680-2690.	1.9	12
88	A Graphene Fibriform Responder for Sensing Heat, Humidity, and Mechanical Changes. <i>Angewandte Chemie</i> , 2015, 127, 15164-15168.	2.0	11
89	Both Gfr α 1a and Gfr α 1b Are Involved in the Self-Renewal and Maintenance of Spermatogonial Stem Cells in Medaka. <i>Stem Cells and Development</i> , 2018, 27, 1658-1670.	2.1	10
90	Suppression of Gut Bacterial Translocation Ameliorates Vascular Calcification through Inhibiting Toll-Like Receptor 9-Mediated BMP-2 Expression. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-12.	4.0	10

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91	Evaluation of Compressibility of Multiscale Pore Fractures in Fractured Low-Rank Coals by Low-Field Nuclear Magnetic Resonance. <i>Energy & Fuels</i> , 2021, 35, 13133-13143.	5.1	10
92	Aggregation Behavior of Pyrrolidinium Ionic Liquid Surfactants in OH-Functionalized Ammonium-Based Protic Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 4708-4716.	1.9	9
93	Comparing the Influence of High Doses of Different Zinc Salts on Oxidative Stress and Energy Depletion in IPEC-J2 Cells. <i>Biological Trace Element Research</i> , 2020, 196, 481-493.	3.5	9
94	The binding of autotaxin to integrins mediates hyperhomocysteinemia-potentiated platelet activation and thrombosis in mice and humans. <i>Blood Advances</i> , 2022, 6, 46-61.	5.2	9
95	Preparation of BaFe ₂ O ₁₉ as anode material for lithium-ion batteries through sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 66, 238-241.	2.4	8
96	Hydrogen bonding mediated ion pairs of some aprotic ionic liquids and their structural transition in aqueous solution. <i>Science China Chemistry</i> , 2017, 60, 970-978.	8.2	8
97	Gene Expression Profiles Analyzed Using Integrating RNA Sequencing, and Microarray Reveals Increased Inflammatory Response, Proliferation, and Osteoclastogenesis in Pigmented Villonodular Synovitis. <i>Frontiers in Immunology</i> , 2021, 12, 665442.	4.8	8
98	The study on the Li-storage performances of bamboo charcoal (BC) and BC/Li ₂ SnO ₃ composites. <i>Journal of Applied Electrochemistry</i> , 2013, 43, 1243-1248.	2.9	7
99	Thermodynamics of self-aggregation of mixed cationic gemini/sodium deoxycholate surfactant systems in aqueous solution. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 2903-2913.	3.6	7
100	MtBZR1 Plays an Important Role in Nodule Development in <i>Medicago truncatula</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 2941.	4.1	7
101	Fertility quality of life (FertiQoL) among Chinese women undergoing frozen embryo transfer. <i>BMC Women's Health</i> , 2021, 21, 177.	2.0	7
102	Dynamic change of circulating innate and adaptive lymphocyte subtypes during a cascade of gastric lesions. <i>Journal of Leukocyte Biology</i> , 2022, 112, 931-938.	3.3	6
103	Ionic liquid assisted synthesis of flowerlike Cu ₂ O micro-nanocrystals. <i>Science China Chemistry</i> , 2012, 55, 1580-1586.	8.2	5
104	A Performance Evaluation of Hashing Techniques for 2D and 3D Palmprint Retrieval and Recognition. <i>IEEE Sensors Journal</i> , 2020, 20, 11864-11873.	4.7	5
105	AGAMOUS-LIKE FLOWER regulates flower and compound leaf development through different regulatory mechanisms in <i>Medicago truncatula</i> . <i>Plant Signaling and Behavior</i> , 2019, 14, 1612683.	2.4	4
106	Pseudomorphic synthesis of bimodal porous silica microspheres for size-exclusion chromatography of small molecules. <i>Journal of Chromatography A</i> , 2022, 1664, 462757.	3.7	4
107	Purification and characterization of anti-phytopathogenic fungi angucyclinone from soil-derived <i>Streptomyces cellulosa</i> . <i>Folia Microbiologica</i> , 2022, 67, 517-522.	2.3	4
108	Highly selective hydrogenation of aldehydes promoted by a palladium-based catalyst and its application in equilibrium displacement in a one-enzyme procedure using 1%-transaminase. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1587-1593.	4.5	3

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109	Effects of combinatorial expression of selA, selB and selC genes on the efficiency of selenocysteine incorporation in Escherichia coli. Chemical Research in Chinese Universities, 2013, 29, 87-94.	2.6	2
110	Percutaneous Cannulated Screw Fixation vs. Plating With Minimally Invasive Longitudinal Approach After Closed Reduction for Intra-Articular Tongue-Type Calcaneal Fractures: A Retrospective Cohort Study. Frontiers in Surgery, 2022, 9, 854210.	1.4	2
111	Graphene/N-doped amorphous carbon sheet for hydrogen evolution. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1.	5.1	1
112	Asymmetrical Micro-Supercapacitors: Laser-Assisted Large-Scale Fabrication of All-Solid-State Asymmetrical Micro-Supercapacitor Array (Small 37/2018). Small, 2018, 14, 1870171.	10.0	1
113	Increased Peripheral NKG2A-NKG2D+CD3-CD16+CD56dim NK Cell Subset Was Positively Correlated with Antiphospholipid Antibodies in Patients of Obstetric Antiphospholipid Syndrome. Immunological Investigations, 2022, 51, 425-437.	2.0	1
114	Cyclic Peptide Secondary Metabolites with Antifungal Activity Against Root-Rot Pathogens of Panax notoginseng Produced by Streptomyces yatensis. Chemistry of Natural Compounds, 2021, 57, 1181-1183.	0.8	1