

# Chi Zhang

## List of Publications by Year in descending order

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159  
papers

6,447  
citations

66343

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79698

73  
g-index

163  
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163  
docs citations

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times ranked

8378  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ni <sub>12</sub> P <sub>5</sub> Nanoparticles as an Efficient Catalyst for Hydrogen Generation via Electrolysis and Photoelectrolysis. ACS Nano, 2014, 8, 8121-8129.	14.6	413
2	An insight into metal organic framework derived N-doped graphene for the oxidative degradation of persistent contaminants: formation mechanism and generation of singlet oxygen from peroxymonosulfate. Environmental Science: Nano, 2017, 4, 315-324.	4.3	372
3	Graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> )-based photocatalysts for water disinfection and microbial control: A review. Chemosphere, 2019, 214, 462-479.	8.2	304
4	N-Doped Graphene from Metal-Organic Frameworks for Catalytic Oxidation of p-Hydroxylbenzoic Acid: N-Functionality and Mechanism. ACS Sustainable Chemistry and Engineering, 2017, 5, 2693-2701.	6.7	243
5	Novel nanocrystalline PdNi alloy catalyst for methanol and ethanol electro-oxidation in alkaline media. Journal of Power Sources, 2011, 196, 5823-5828.	7.8	180
6	Circular RNA circTRIM33 <sup>12</sup> acts as the sponge of MicroRNA-191 to suppress hepatocellular carcinoma progression. Molecular Cancer, 2019, 18, 105.	19.2	172
7	A Dealloying Synthetic Strategy for Nanoporous Bismuth-Antimony Anodes for Sodium Ion Batteries. ACS Nano, 2018, 12, 3568-3577.	14.6	167
8	Designing CO <sub>2</sub> -resistant oxygen-selective mixed ionic-electronic conducting membranes: guidelines, recent advances, and forward directions. Chemical Society Reviews, 2017, 46, 2941-3005.	38.1	164
9	Occurrence of endocrine disrupting compounds in aqueous environment and their bacterial degradation: A review. Critical Reviews in Environmental Science and Technology, 2016, 46, 1-59.	12.8	153
10	Visible-light-driven photocatalytic inactivation of MS2 by metal-free g-C <sub>3</sub> N <sub>4</sub> : Virucidal performance and mechanism. Water Research, 2016, 106, 249-258.	11.3	145
11	Self-Supported Porous NiSe <sub>2</sub> Nanowrinkles as Efficient Bifunctional Electrocatalysts for Overall Water Splitting. ACS Sustainable Chemistry and Engineering, 2018, 6, 2231-2239.	6.7	130
12	Decomposition analysis of China's CO <sub>2</sub> emissions (2000-2016) and scenario analysis of its carbon intensity targets in 2020 and 2030. Science of the Total Environment, 2019, 668, 432-442.	8.0	128
13	Nanoporous core-shell Cu@Cu <sub>2</sub> O nanocomposites with superior photocatalytic properties towards the degradation of methyl orange. RSC Advances, 2012, 2, 12636.	3.6	104
14	A new approach to light up the application of semiconductor nanomaterials for photoelectrochemical biosensors: Using self-operating photocathode as a highly selective enzyme sensor. Biosensors and Bioelectronics, 2014, 62, 66-72.	10.1	103
15	Ultrafine nanoporous PdFe/Fe <sub>3</sub> O <sub>4</sub> catalysts with doubly enhanced activities towards electro-oxidation of methanol and ethanol in alkaline media. Journal of Materials Chemistry A, 2013, 1, 3620.	10.3	95
16	Structure-Designed Synthesis of CoP Microcubes from Metal-Organic Frameworks with Enhanced Supercapacitor Properties. Inorganic Chemistry, 2018, 57, 10287-10294.	4.0	80
17	Photocatalysis of C, N-doped ZnO derived from ZIF-8 for dye degradation and water oxidation. RSC Advances, 2016, 6, 95903-95909.	3.6	79
18	Adsorption behavior of methyl orange onto nanoporous core-shell Cu@Cu <sub>2</sub> O nanocomposite. Chemical Engineering Journal, 2013, 223, 76-83.	12.7	78

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19	Formation and microstructure of nanoporous silver by dealloying rapidly solidified Zn–Ag alloys. <i>Electrochimica Acta</i> , 2012, 63, 302-311.	5.2	72
20	NiCo <sub>2</sub> O <sub>4</sub> /biomass-derived carbon composites as anode for high-performance lithium ion batteries. <i>Journal of Power Sources</i> , 2020, 451, 227761.	7.8	71
21	Perovskite and related oxide based electrodes for water splitting. <i>Journal of Cleaner Production</i> , 2021, 318, 128544.	9.3	70
22	Dealloying-directed synthesis of efficient mesoporous CoFe-based catalysts towards the oxygen evolution reaction and overall water splitting. <i>Nanoscale</i> , 2017, 9, 16467-16475.	5.6	67
23	Formation, control and functionalization of nanoporous silver through changing dealloying media and elemental doping. <i>CrystEngComm</i> , 2011, 13, 2617.	2.6	66
24	Hierarchically porous Mo-doped Ni–Fe oxide nanowires efficiently catalyzing oxygen/hydrogen evolution reactions. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8430-8440.	10.3	65
25	Visible-light-driven, water-surface-floating antimicrobials developed from graphitic carbon nitride and expanded perlite for water disinfection. <i>Chemosphere</i> , 2018, 208, 84-92.	8.2	64
26	Hierarchical 3-dimensional CoMoO <sub>4</sub> nanoflakes on a macroporous electrically conductive network with superior electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13776-13785.	10.3	61
27	Efficient visible light photocatalytic degradation of 17 $\beta$ -ethinyl estradiol by a multifunctional Ag–AgCl/ZnFe <sub>2</sub> O <sub>4</sub> magnetic nanocomposite. <i>RSC Advances</i> , 2016, 6, 32761-32769.	3.6	60
28	Scalable Dealloying Route to Mesoporous Ternary CoNiFe Layered Double Hydroxides for Efficient Oxygen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16096-16104.	6.7	59
29	Ternary mesoporous cobalt-iron-nickel oxide efficiently catalyzing oxygen/hydrogen evolution reactions and overall water splitting. <i>Nano Research</i> , 2019, 12, 2281-2287.	10.4	59
30	Conjugating influenza a (H1N1) antigen to $\alpha$ -trimethylaminoethylmethacrylate chitosan nanoparticles improves the immunogenicity of the antigen after nasal administration. <i>Journal of Medical Virology</i> , 2015, 87, 1807-1815.	5.0	58
31	Mercury(ii)-stimulated oxidase mimetic activity of silver nanoparticles as a sensitive and selective mercury(ii) sensor. <i>RSC Advances</i> , 2014, 4, 5867.	3.6	55
32	Design and synthesis of porous ZnTiO <sub>3</sub> /TiO <sub>2</sub> nanocages with heterojunctions for enhanced photocatalytic H <sub>2</sub> production. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11615-11622.	10.3	54
33	A one-dimensional Ag NW@NiCo/NiCo(OH) <sub>2</sub> core–shell nanostructured electrode for a flexible and transparent asymmetric supercapacitor. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8184-8193.	10.3	54
34	Critical Role of Phosphorus in Hollow Structures Cobalt-Based Phosphides as Bifunctional Catalysts for Water Splitting. <i>Small</i> , 2022, 18, e2103561.	10.0	54
35	Ultrafine nanoporous Cu–Pd alloys with superior catalytic activities towards electro-oxidation of methanol and ethanol in alkaline media. <i>RSC Advances</i> , 2012, 2, 11820.	3.6	50
36	Metal-free virucidal effects induced by g-C <sub>3</sub> N <sub>4</sub> under visible light irradiation: Statistical analysis and parameter optimization. <i>Chemosphere</i> , 2018, 195, 551-558.	8.2	50

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37	Fabrication of bi-modal nanoporous bimetallic Pt@Au alloy with excellent electrocatalytic performance towards formic acid oxidation. <i>Green Chemistry</i> , 2011, 13, 1914.	9.0	49
38	Anodization driven enhancement of catalytic activity of Pd towards electro-oxidation of methanol, ethanol and formic acid. <i>Electrochemistry Communications</i> , 2012, 21, 42-45.	4.7	49
39	BRD4 promotes tumor growth and epithelial-mesenchymal transition in hepatocellular carcinoma. <i>International Journal of Immunopathology and Pharmacology</i> , 2015, 28, 36-44.	2.1	49
40	Low-temperature CO oxidation over CeO <sub>2</sub> and CeO <sub>2</sub> @Co <sub>3</sub> O <sub>4</sub> core-shell microspheres. <i>New Journal of Chemistry</i> , 2017, 41, 13418-13424.	2.8	49
41	In situ formation of p-n junction: A novel principle for photoelectrochemical sensor and its application for mercury(II) ion detection. <i>Analytica Chimica Acta</i> , 2014, 827, 34-39.	5.4	45
42	On the Microstructure, Chemical Composition, and Porosity Evolution of Nanoporous Alloy through Successive Dealloying of Ternary Al-Pd-Au Precursor. <i>Journal of Physical Chemistry C</i> , 2012, 116, 13271-13280.	3.1	44
43	Analysis of the erythropoietin of a Tibetan Plateau schizothoracine fish ( <i>Gymnocypris dobula</i> ) reveals enhanced cytoprotection function in hypoxic environments. <i>BMC Evolutionary Biology</i> , 2016, 16, 11.	3.2	44
44	Re-evaluation of La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-<math>\lambda</math></sub> hollow fiber membranes for oxygen separation after long-term storage of five and ten years. <i>Journal of Membrane Science</i> , 2019, 587, 117180.	8.2	42
45	Microstructured capacitive sensor with broad detection range and long-term stability for human activity detection. <i>Npj Flexible Electronics</i> , 2021, 5, .	10.7	42
46	Hybrid MnO <sub>2</sub> /C nano-composites on a macroporous electrically conductive network for supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16695-16707.	10.3	41
47	Hybrid Ni(OH) <sub>2</sub> /FeOOH@NiFe Nanosheet Catalysts toward Highly Efficient Oxygen Evolution Reaction with Ultralong Stability over 1000 Hours. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14601-14610.	6.7	39
48	Enhanced Photocatalytic Degradation of 17 $\beta$ -Ethinylestradiol Exhibited by Multifunctional ZnFe <sub>2</sub> O <sub>4</sub> @Ag/rGO Nanocomposite Under Visible Light. <i>Photochemistry and Photobiology</i> , 2016, 92, 238-246.	2.5	37
49	Catalytic Decomposition of N <sub>2</sub> O over Co-Ti Oxide Catalysts: Interaction between Co and Ti Oxide. <i>ChemCatChem</i> , 2016, 8, 2155-2164.	3.7	37
50	Eutectic-directed self-templating synthesis of PtNi nanoporous nanowires with superior electrocatalytic performance towards the oxygen reduction reaction: experiment and DFT calculation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23651-23661.	10.3	37
51	Transparent and Stretchable Strain Sensors with Improved Sensitivity and Reliability Based on Ag NWs and PEDOT:PSS Patterned Microstructures. <i>Advanced Electronic Materials</i> , 2020, 6, 1901360.	5.1	36
52	Three-dimensional tetsubo-like Co(OH) <sub>2</sub> nanorods on a macroporous electrically conductive network as an efficient electroactive framework for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2629-2639.	10.3	34
53	Tough, Highly Oriented, Super Thermal Insulating Regenerated All-Cellulose Sponge-Aerogel Fibers Integrating a Graded Aligned Nanostructure. <i>Nano Letters</i> , 2022, 22, 3516-3524.	9.1	34
54	Exsolution of CoFe(Ru) nanoparticles in Ru-doped (La <sub>0.8</sub> Sr <sub>0.2</sub> ) <sub>0.9</sub> Co <sub>0.1</sub> Fe <sub>0.8</sub> Ru <sub>0.1</sub> O <sub>3-<math>\lambda</math></sub> for efficient oxygen evolution reaction. <i>Nano Research</i> , 2022, 15, 6977-6986.	10.4	34

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55	Ag@helical chiral TiO <sub>2</sub> nanofibers for visible light photocatalytic degradation of 17 $\beta$ -ethinylestradiol. <i>Environmental Science and Pollution Research</i> , 2015, 22, 10444-10451.	5.3	33
56	Hexagonal and Square Patterned Silver Nanowires/PEDOT:PSS Composite Grids by Screen Printing for Uniformly Transparent Heaters. <i>Polymers</i> , 2019, 11, 468.	4.5	33
57	Novel oxygen permeable hollow fiber perovskite membrane with surface wrinkles. <i>Separation and Purification Technology</i> , 2021, 261, 118295.	7.9	33
58	F, N neutralizing effect induced Co-P-O cleaving endows CoP nanosheets with superior HER and OER performances. <i>Journal of Colloid and Interface Science</i> , 2022, 619, 298-306.	9.4	33
59	Solar Photocatalytic Water Oxidation and Purification on ZIF-8-Derived ZnO Composites. <i>Energy &amp; Fuels</i> , 2017, 31, 2138-2143.	5.1	32
60	Solvent-free preparation of polylactic acid fibers by melt electrospinning using umbrella-like spray head and alleviation of problematic thermal degradation. <i>Journal of the Serbian Chemical Society</i> , 2012, 77, 1071-1082.	0.8	30
61	Self-supporting, eutectic-like, nanoporous biphasic bismuth-tin film for high-performance magnesium storage. <i>Nano Research</i> , 2019, 12, 801-808.	10.4	30
62	Efficient removal of organic pollutants by ceramic hollow fibre supported composite catalyst. <i>Sustainable Materials and Technologies</i> , 2019, 20, e00108.	3.3	30
63	Fabrication and characterization of magnetic nanoporous Cu/(Fe,Cu) <sub>3</sub> O <sub>4</sub> composites with excellent electrical conductivity by one-step dealloying. <i>Journal of Materials Chemistry</i> , 2011, 21, 9716.	6.7	29
64	Unsupported nanoporous Ag catalysts towards CO oxidation. <i>Journal of Molecular Catalysis A</i> , 2014, 382, 55-63.	4.8	29
65	Dealloying strategy to fabricate ultrafine nanoporous gold-based alloys with high structural stability and tunable magnetic properties. <i>CrystEngComm</i> , 2012, 14, 8292.	2.6	28
66	Mechanistic study of visible light driven photocatalytic degradation of EDC 17 $\beta$ -ethinyl estradiol and azo dye Acid Black-52: phytotoxicity assessment of intermediates. <i>RSC Advances</i> , 2016, 6, 87246-87257.	3.6	27
67	Hollow and Core-Shell Nanostructure Co <sub>3</sub> O <sub>4</sub> Derived from a Metal Formate Framework toward High Catalytic Activity of CO Oxidation. <i>ACS Applied Nano Materials</i> , 2018, 1, 800-806.	5.0	27
68	Three-dimensional homo-nanostructured MnO <sub>2</sub> /nanographene membranes on a macroporous electrically conductive network for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11317-11329.	10.3	24
69	Scalable Solution-Processed Fabrication Approach for High-Performance Silver Nanowire/MXene Hybrid Transparent Conductive Films. <i>Nanomaterials</i> , 2021, 11, 1360.	4.1	24
70	Preparation of multi-layer graphene on nickel-coated silicon microchannel plates by a hydrothermal carbonization procedure and its improved field emission properties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2079-2087.	5.5	23
71	A-Site Excess (La <sub>0.8</sub> Ca <sub>0.2</sub> ) <sub>1.01</sub> FeO <sub>3</sub> (LCF) Perovskite Hollow Fiber Membrane for Oxygen Permeation in CO <sub>2</sub> -Containing Atmosphere. <i>Energy &amp; Fuels</i> , 2017, 31, 4531-4538.	5.1	23
72	Electrospun cobalt Prussian blue analogue-derived nanofibers for oxygen reduction reaction and lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 280-290.	9.4	23

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73	Modulating anion defect in La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> for enhanced catalytic performance on peroxymonosulfate activation: Importance of hydrated electrons and metal-oxygen covalency. Journal of Hazardous Materials, 2022, 432, 128686.	12.4	23
74	Hitting Time Distributions for Denumerable Birth and Death Processes. Journal of Theoretical Probability, 2012, 25, 950-980.	0.8	22
75	UBAP2 negatively regulates the invasion of hepatocellular carcinoma cell by ubiquitinating and degrading Annexin A2. Oncotarget, 2016, 7, 32946-32955.	1.8	22
76	Enhanced CO <sub>2</sub> Resistance for Robust Oxygen Separation Through Tantalum-doped Perovskite Membranes. ChemSusChem, 2016, 9, 505-512.	6.8	22
77	Bundling strategy to simultaneously improve the mechanical strength and oxygen permeation flux of the individual perovskite hollow fiber membranes. Journal of Membrane Science, 2017, 527, 137-142.	8.2	22
78	Electrochemical actuation behaviors and mechanisms of bulk nanoporous Ni-Pd alloy. Scripta Materialia, 2017, 137, 73-77.	5.2	22
79	Iron and Nickel Mixed Oxides Derived From Ni/Fe-PBA for Oxygen Evolution Electrocatalysis. Frontiers in Chemistry, 2019, 7, 539.	3.6	22
80	Oxygen permeation behavior through Ce <sub>0.9</sub> Gd <sub>0.1</sub> O <sub>2-<math>\delta</math></sub> membranes electronically short-circuited by dual-phase Ce <sub>0.9</sub> Gd <sub>0.1</sub> O <sub>2-<math>\delta</math></sub> -Ag decoration. Journal of Materials Chemistry A, 2015, 3, 19033-19041.	10.3	21
81	Effect of Ru Species on N <sub>2</sub> O Decomposition over Ru/Al <sub>2</sub> O <sub>3</sub> Catalysts. Catalysts, 2016, 6, 173.	3.5	21
82	Enhanced oxygen permeability and electronic conductivity of Ce <sub>0.8</sub> Gd <sub>0.2</sub> O <sub>2-<math>\delta</math></sub> membrane via the addition of sintering aids. Solid State Ionics, 2017, 310, 121-128.	2.7	21
83	Numerical and experimental study of tuned liquid damper effects on suppressing nonlinear vibration of elastic supporting structural platform. Nonlinear Dynamics, 2020, 99, 2675-2691.	5.2	21
84	MicroRNA-mediated non-cell autonomous regulation of cortical radial glial transformation revealed by a Dicer1 knockout mouse model. Glia, 2015, 63, 860-876.	4.9	20
85	Understanding the boosted sodium storage behavior of a nanoporous bismuth-nickel anode using operando X-ray diffraction and density functional theory calculations. Journal of Materials Chemistry A, 2019, 7, 13602-13613.	10.3	20
86	Voltage window-dependent electrochemical performance and reaction mechanisms of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> cathode for high-capacity sodium ion batteries. Ionics, 2020, 26, 2343-2351.	2.4	20
87	Generation and characterization of a tetraspanin CD151/integrin $\beta$ 1-binding domain competitively binding monoclonal antibody for inhibition of tumor progression in HCC. Oncotarget, 2016, 7, 6314-6322.	1.8	20
88	Composite electrodes with NiCoAl-LDH coated Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene and incorporated Ag nanowires for screen-printable in-plane hybrid supercapacitors on textiles. Applied Surface Science, 2022, 598, 153796.	6.1	20
89	Tuning the ligament/channel size of nanoporous copper by temperature control. CrystEngComm, 2012, 14, 8352.	2.6	19
90	Synthesis and antibacterial properties of magnetically recyclable nanoporous silver/Fe <sub>3</sub> O <sub>4</sub> nanocomposites through one-step dealloying. CrystEngComm, 2013, 15, 3965.	2.6	19

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91	Preparation and evaluation of antigen/N-trimethylaminoethylmethacrylate chitosan conjugates for nasal immunization. <i>Vaccine</i> , 2014, 32, 2582-2590.	3.8	19
92	Transforming bulk alloys into nanoporous lanthanum-based perovskite oxides with high specific surface areas and enhanced electrocatalytic activities. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19979-19988.	10.3	19
93	Highly Stable Graphene-Based Flexible Hybrid Transparent Conductive Electrodes for Organic Solar Cells. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	19
94	Buffer species-dependent catalytic activity of Cu-Adenine as a laccase mimic for constructing sensor array to identify multiple phenols. <i>Analytica Chimica Acta</i> , 2022, 1204, 339725.	5.4	18
95	Synthesis of konjac glucomannan phthalate as a new biosorbent for copper ion removal. <i>Journal of Polymer Research</i> , 2013, 20, 1.	2.4	17
96	Enhanced Oxygen Permeation Behavior of $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_{3-\delta}$ Membranes in a $\text{CO}_2$ -Containing Atmosphere with a $\text{Sm}_{0.2}\text{Ce}_{0.8}\text{O}_{1.9}$ Functional Shell. <i>Energy &amp; Fuels</i> , 2016, 30, 1829-1834.	5.1	17
97	Comprehensive Multiple Molecular Profile of Epithelial Mesenchymal Transition in Intrahepatic Cholangiocarcinoma Patients. <i>PLoS ONE</i> , 2014, 9, e96860.	2.5	17
98	Fabrication of nanoporous Pd with superior hydrogen sensing properties by dealloying. <i>Materials Letters</i> , 2013, 92, 369-371.	2.6	16
99	$\text{Ce}_{0.9}\text{Gd}_{0.1}\text{O}_{2-\delta}$ membranes coated with porous $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_{3-\delta}$ for oxygen separation. <i>RSC Advances</i> , 2015, 5, 5379-5386.	3.6	16
100	Circularly Polarized Light Photodetector Based on X-Shaped Chiral Metamaterial. <i>IEEE Sensors Journal</i> , 2018, 18, 9203-9206.	4.7	16
101	An integrated high-throughput strategy enables the discovery of multifunctional ionic liquids for sustainable chemical processes. <i>Green Chemistry</i> , 2019, 21, 307-313.	9.0	16
102	Nanoporous copper as an inexpensive electrochemical actuator responsive to sub-volt voltages. <i>Electrochemistry Communications</i> , 2021, 124, 106940.	4.7	16
103	Aerobic composting of chicken manure with penicillin G: Community classification and quorum sensing mediating its contribution to humification. <i>Bioresource Technology</i> , 2022, 352, 127097.	9.6	16
104	Anodization of Pd in $\text{H}_2\text{SO}_4$ Solutions: Influence of Potential, Polarization Time, and Electrolyte Concentration. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 6038-6045.	8.0	15
105	Natural bamboo leaves as dielectric layers for flexible capacitive pressure sensors with adjustable sensitivity and a broad detection range. <i>RSC Advances</i> , 2021, 11, 17291-17300.	3.6	15
106	Nanoporous silver-modified $\text{LaCoO}_{3-\delta}$ perovskite for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2021, 391, 138908.	5.2	15
107	Propelling the practical application of the intimate coupling of photocatalysis and biodegradation system: System amelioration, environmental influences and analytical strategies. <i>Chemosphere</i> , 2022, 287, 132196.	8.2	15
108	Influence of anion species on electrochemical dealloying of single-phase $\text{Al}_2\text{Au}$ alloy in sodium halide solutions. <i>RSC Advances</i> , 2012, 2, 4481.	3.6	14

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109	New insight into the difference of PC lipase-catalyzed degradation on poly(butylene succinate)-based copolymers from molecular levels. <i>RSC Advances</i> , 2016, 6, 17896-17905.	3.6	14
110	Stretchable Strain Sensors Based on Two- and Three-Dimensional Carbonized Cotton Fabrics for the Detection of Full Range of Human Motions. <i>ACS Applied Electronic Materials</i> , 2021, 3, 3287-3295.	4.3	14
111	Highly efficient field emission from ZnO nanorods and nanographene hybrids on a macroporous electric conductive network. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9296-9305.	5.5	13
112	<i>Elaeagnus angustifolia</i> can improve salt-alkali soil and the health level of soil: Emphasizing the driving role of core microbial communities. <i>Journal of Environmental Management</i> , 2022, 305, 114401.	7.8	13
113	Transforming Bulk Metals into Metallic Nanostructures: A Liquid-Metal-Assisted Top-Down Dealloying Strategy with Sustainability. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3274-3281.	6.7	12
114	A stable biosensor for organophosphorus pesticide detection based on chitosan modified graphene. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 567-575.	3.1	12
115	Morphological and compositional modification of $\text{Ni}(\text{OH})_2$ nanoplates by ferrihydrite for enhanced oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 17720-17730.	7.1	12
116	Mortalin stabilizes CD151-dependent tetraspanin-enriched microdomains and implicates in the progression of hepatocellular carcinoma. <i>Journal of Cancer</i> , 2019, 10, 6199-6206.	2.5	11
117	On the vacancy-controlled dealloying of rapidly solidified Mg-Ag alloys. <i>CrystEngComm</i> , 2011, 13, 4846.	2.6	10
118	Nitrogen-doped multilayered nanographene derived from $\text{Ni}_3\text{C}$ with efficient electron field emission. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9251-9260.	5.5	9
119	Large-Scale, Cuttable, Full Tissue-Based Capacitive Pressure Sensor for the Detection of Human Physiological Signals and Pressure Distribution. <i>ACS Omega</i> , 2021, 6, 27208-27215.	3.5	9
120	Mechanical properties of brain tissue based on microstructure. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 126, 104924.	3.1	9
121	Study on Machine Learning Models for Building Resilience Evaluation in Mountainous Area: A Case Study of Banan District, Chongqing, China. <i>Sensors</i> , 2022, 22, 1163.	3.8	9
122	Preparation of mid-to-high molecular weight konjac glucomannan (MHKGM) using controllable enzyme-catalyzed degradation and investigation of MHKGM properties. <i>Journal of Polymer Research</i> , 2012, 19, 1.	2.4	8
123	Novel tungsten stabilizing $\text{SrCo}_{1-x}\text{W}_x\text{O}_3$ membranes for oxygen production. <i>Ceramics International</i> , 2015, 41, 14935-14940.	4.8	8
124	Fabrication and characterization of nanoporous Cu-Sn intermetallics via dealloying of ternary Mg-Cu-Sn alloys. <i>CrystEngComm</i> , 2018, 20, 6900-6908.	2.6	8
125	Reusable Ruthenium Microspheres Derived from Chitin for Highly Efficient and Selective Hydroboration of Imines. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 1568-1575.	6.7	8
126	Formulating a GIS-based geometric design quality assessment model for Mountain highways. <i>Accident Analysis and Prevention</i> , 2021, 157, 106172.	5.7	8



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127	Microstructure Engineering of Stretchable Resistive Strain Sensors with Discrimination Capabilities in Transverse and Longitudinal Directions. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100283.	3.6	8
128	Dealloyed nanoporous copper as a highly active catalyst in Fenton-like reaction for degradation of organic pollutants. <i>Chemical Engineering Journal</i> , 2022, 431, 133834.	12.7	8
129	Advances in <scp>host selection</scp> and <scp>interface regulation</scp> of polymer electrolytes. <i>Journal of Polymer Science</i> , 2022, 60, 743-765.	3.8	8
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