

# Bin Wang

## List of Publications by Year in descending order

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199  
papers

11,471  
citations

28274

55  
h-index

34986

98  
g-index

200  
all docs

200  
docs citations

200  
times ranked

15490  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning Oxygen Vacancies in Ultrathin TiO <sub>2</sub> Nanosheets to Boost Photocatalytic Nitrogen Fixation up to 700 nm. <i>Advanced Materials</i> , 2019, 31, e1806482.	21.0	732
2	A Fiber Supercapacitor with High Energy Density Based on Hollow Graphene/Conducting Polymer Fiber Electrode. <i>Advanced Materials</i> , 2016, 28, 3646-3652.	21.0	654
3	Electrochemical Performance of MnO <sub>2</sub> Nanorods in Neutral Aqueous Electrolytes as a Cathode for Asymmetric Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2009, 113, 14020-14027.	3.1	631
4	Needle-like Co <sub>3</sub> O <sub>4</sub> Anchored on the Graphene with Enhanced Electrochemical Performance for Aqueous Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 7626-7632.	8.0	316
5	A porphyrin covalent organic framework cathode for flexible Zn–air batteries. <i>Energy and Environmental Science</i> , 2018, 11, 1723-1729.	30.8	298
6	Graphene–Confined Sn Nanosheets with Enhanced Lithium Storage Capability. <i>Advanced Materials</i> , 2012, 24, 3538-3543.	21.0	271
7	Study on electrochemical performance of activated carbon in aqueous Li <sub>2</sub> SO <sub>4</sub> , Na <sub>2</sub> SO <sub>4</sub> and K <sub>2</sub> SO <sub>4</sub> electrolytes. <i>Electrochemistry Communications</i> , 2008, 10, 1652-1655.	4.7	224
8	Persistent metagenomic signatures of early-life hospitalization and antibiotic treatment in the infant gut microbiota and resistome. <i>Nature Microbiology</i> , 2019, 4, 2285-2297.	13.3	191
9	Injectable stem cell-laden supramolecular hydrogels enhance in situ osteochondral regeneration via the sustained co-delivery of hydrophilic and hydrophobic chondrogenic molecules. <i>Biomaterials</i> , 2019, 210, 51-61.	11.4	179
10	Encapsulating V <sub>2</sub> O <sub>5</sub> into carbon nanotubes enables the synthesis of flexible high-performance lithium ion batteries. <i>Energy and Environmental Science</i> , 2016, 9, 906-911.	30.8	162
11	All-in-one fiber for stretchable fiber-shaped tandem supercapacitors. <i>Nano Energy</i> , 2018, 45, 210-219.	16.0	161
12	A Quasi-Solid-State Flexible Fiber-Shaped Li–CO <sub>2</sub> Battery with Low Overpotential and High Energy Efficiency. <i>Advanced Materials</i> , 2019, 31, e1804439.	21.0	151
13	Bamboo-Like Nitrogen-Doped Carbon Nanotube Forests as Durable Metal-Free Catalysts for Self-Powered Flexible Li–CO <sub>2</sub> Batteries. <i>Advanced Materials</i> , 2019, 31, e1903852.	21.0	141
14	Electrochemical synthesis of layer-by-layer reduced graphene oxide sheets/polyaniline nanofibers composite and its electrochemical performance. <i>Electrochimica Acta</i> , 2013, 91, 185-194.	5.2	137
15	Unraveling Reaction Mechanisms of Mo <sub>2</sub> C as Cathode Catalyst in a Li–CO <sub>2</sub> Battery. <i>Journal of the American Chemical Society</i> , 2020, 142, 6983-6990.	13.7	133
16	Aqueous rechargeable lithium battery (ARLB) based on LiV <sub>3</sub> O <sub>8</sub> and LiMn <sub>2</sub> O <sub>4</sub> with good cycling performance. <i>Electrochemistry Communications</i> , 2007, 9, 1873-1876.	4.7	130
17	Degradation of sulfamethazine by persulfate activated with organo-montmorillonite supported nano-zero valent iron. <i>Chemical Engineering Journal</i> , 2019, 361, 99-108.	12.7	130
18	Fiber-shaped solid-state supercapacitors based on molybdenum disulfide nanosheets for a self-powered photodetecting system. <i>Nano Energy</i> , 2016, 21, 228-237.	16.0	124

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19	Flexible metal-free gas batteries: a potential option for next-generation power accessories for wearable electronics. <i>Energy and Environmental Science</i> , 2020, 13, 1933-1970.	30.8	121
20	Porous NiO fibers prepared by electrospinning as high performance anode materials for lithium ion batteries. <i>Electrochemistry Communications</i> , 2012, 23, 5-8.	4.7	119
21	Preparation of Nanowire Arrays of Amorphous Carbon Nanotube-Coated Single Crystal SnO <sub>2</sub> . <i>Chemistry of Materials</i> , 2008, 20, 2612-2614.	6.7	117
22	Mesoporous CNT@TiO <sub>2</sub> -C Nanocable with Extremely Durable High Rate Capability for Lithium-Ion Battery Anodes. <i>Scientific Reports</i> , 2014, 4, 3729.	3.3	116
23	Self-assembled V <sub>2</sub> O <sub>5</sub> nanosheets/reduced graphene oxide hierarchical nanocomposite as a high-performance cathode material for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10814.	10.3	114
24	CNT@Fe <sub>3</sub> O <sub>4</sub> @C Coaxial Nanocables: One-pot, Additive-free Synthesis and Remarkable Lithium Storage Behavior. <i>Chemistry - A European Journal</i> , 2013, 19, 9866-9874.	3.3	107
25	Twisted yarns for fiber-shaped supercapacitors based on wet-spun PEDOT:PSS fibers from aqueous coagulation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11616-11624.	10.3	107
26	Enhanced photocatalytic hydrogen evolution by partially replaced corner-site C atom with P in g-C <sub>3</sub> N <sub>4</sub> . <i>Applied Catalysis B: Environmental</i> , 2019, 244, 486-493.	20.2	103
27	Efficient degradation of carbamazepine by organo-montmorillonite supported nCoFe <sub>2</sub> O <sub>4</sub> -activated peroxymonosulfate process. <i>Chemical Engineering Journal</i> , 2019, 368, 824-836.	12.7	98
28	A pH-responsive platform combining chemodynamic therapy with limotherapy for simultaneous bioimaging and synergistic cancer therapy. <i>Biomaterials</i> , 2019, 216, 119254.	11.4	95
29	One-pot synthesis of carbon coated-SnO <sub>2</sub> /graphene-sheet nanocomposite with highly reversible lithium storage capability. <i>Journal of Power Sources</i> , 2013, 232, 152-158.	7.8	91
30	Nanostructured Zn-based composite anodes for rechargeable Li-ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 12767.	6.7	89
31	Flexible aqueous ammonium-ion full cell with high rate capability and long cycle life. <i>Nano Energy</i> , 2020, 68, 104369.	16.0	89
32	Dendrite-free Flexible Fiber-shaped Zn Battery with Long Cycle Life in Water and Air. <i>Advanced Energy Materials</i> , 2019, 9, 1901434.	19.5	87
33	Amorphous red phosphorous embedded in carbon nanotubes scaffold as promising anode materials for lithium-ion batteries. <i>Journal of Power Sources</i> , 2016, 301, 131-137.	7.8	86
34	Electrochemical behavior of LiCoO <sub>2</sub> in a saturated aqueous Li <sub>2</sub> SO <sub>4</sub> solution. <i>Electrochimica Acta</i> , 2009, 54, 1199-1203.	5.2	84
35	The pathogenesis of thyroid autoimmune diseases: New T lymphocytes - Cytokines circuits beyond the Th1-Th2 paradigm. <i>Journal of Cellular Physiology</i> , 2019, 234, 2204-2216.	4.1	83
36	Highly-wrinkled reduced graphene oxide-conductive polymer fibers for flexible fiber-shaped and interdigital-designed supercapacitors. <i>Journal of Power Sources</i> , 2018, 376, 117-124.	7.8	80

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37	Urinary tract colonization is enhanced by a plasmid that regulates uropathogenic <i>Acinetobacter baumannii</i> chromosomal genes. <i>Nature Communications</i> , 2019, 10, 2763.	12.8	80
38	All-climate aqueous fiber-shaped supercapacitors with record areal energy density and high safety. <i>Nano Energy</i> , 2018, 50, 106-117.	16.0	78
39	Hierarchical foam of exposed ultrathin nickel nanosheets supported on chainlike Ni-nanowires and the derivative chalcogenide for enhanced pseudocapacitance. <i>Nanoscale</i> , 2014, 6, 2618-2623.	5.6	77
40	Effects of the aqueous phase recycling on bio-oil yield in hydrothermal liquefaction of <i>Spirulina Platensis</i> , $\beta$ -cellulose, and lignin. <i>Energy</i> , 2019, 179, 1103-1113.	8.8	76
41	Recycling LiCoO <sub>2</sub> with methanesulfonic acid for regeneration of lithium-ion battery electrode materials. <i>Journal of Power Sources</i> , 2019, 436, 226828.	7.8	75
42	Highly Surface-Wrinkled and N-Doped CNTs Anchored on Metal Wire: A Novel Fiber-Shaped Cathode toward High-Performance Flexible Li <sup>+</sup> /CO <sub>2</sub> Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1808117.	14.9	75
43	Phenyl tris-2-methoxydiethoxy silane as an additive to PC-based electrolytes for lithium-ion batteries. <i>Journal of Power Sources</i> , 2008, 180, 602-606.	7.8	72
44	Vegetation dynamics and their relationships with climatic factors in the Qinling Mountains of China. <i>Ecological Indicators</i> , 2020, 108, 105719.	6.3	71
45	2.2V high performance symmetrical fiber-shaped aqueous supercapacitors enabled by "seawater-in-salt" gel electrolyte and N-Doped graphene fiber. <i>Energy Storage Materials</i> , 2020, 24, 495-503.	18.0	71
46	An aqueous rechargeable lithium battery based on doping and intercalation mechanisms. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 865-869.	2.5	70
47	Orienting the charge transfer path of type-II heterojunction for photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117853.	20.2	65
48	Oxygen-deficient ammonium vanadate for flexible aqueous zinc batteries with high energy density and rate capability at ~30 °C. <i>Materials Today</i> , 2021, 43, 53-61.	14.2	65
49	Electrochemical intercalation of lithium ions into LiV <sub>3</sub> O <sub>8</sub> in an aqueous electrolyte. <i>Journal of Power Sources</i> , 2009, 189, 503-506.	7.8	64
50	Cation- deficient Zn <sub>0.3</sub> (NH <sub>4</sub> ) <sub>0.3</sub> V <sub>4</sub> O <sub>10</sub> ·0.9H <sub>2</sub> O for rechargeable aqueous zinc battery with superior low- temperature performance. <i>Energy Storage Materials</i> , 2021, 38, 389-396.	18.0	64
51	Synthesis of carbon coated nanoporous microcomposite and its rate capability for lithium ion battery. <i>Microporous and Mesoporous Materials</i> , 2009, 117, 515-518.	4.4	60
52	Significantly improved dielectric properties of polylactide nanocomposites via TiO <sub>2</sub> decorated carbon nanotubes. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 127, 105650.	7.6	59
53	Nature-Inspired Strategy for Anticorrosion. <i>Advanced Engineering Materials</i> , 2019, 21, 1801379.	3.5	58
54	The structural evolution and lithiation behavior of vacuum-deposited Si film with high reversible capacity. <i>Electrochimica Acta</i> , 2008, 53, 5660-5664.	5.2	56

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55	Electrochemical performance of carbon/Ni composite fibers from electrospinning as anode material for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1368-1373.	10.3	56
56	Interfacial Engineered Polyaniline/Sulfur-Doped TiO <sub>2</sub> Nanotube Arrays for Ultralong Cycle Lifetime Fiber-Shaped, Solid-State Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 18390-18399.	8.0	56
57	Polycrystalline SnO <sub>2</sub> nanowires coated with amorphous carbon nanotube as anode material for lithium ion batteries. <i>Materials Letters</i> , 2010, 64, 972-975.	2.6	55
58	Benzo-(1, 2, 3)-thiadiazole-7-carbothioic acid s-methyl ester (BTH) promotes tuber wound healing of potato by elevation of phenylpropanoid metabolism. <i>Postharvest Biology and Technology</i> , 2019, 153, 125-132.	6.0	55
59	An Aqueous Electrochemical Energy Storage System Based on Doping and Intercalation: Ppy/LiMn <sub>2</sub> O <sub>4</sub> . <i>ChemPhysChem</i> , 2008, 9, 2299-2301.	2.1	54
60	Vinyl-Tris-(methoxydiethoxy)silane as an effective and ecofriendly flame retardant for electrolytes in lithium ion batteries. <i>Electrochemistry Communications</i> , 2009, 11, 526-529.	4.7	54
61	Hepatitis B e antigen induces the expansion of monocytic myeloid-derived suppressor cells to dampen T-cell function in chronic hepatitis B virus infection. <i>PLoS Pathogens</i> , 2019, 15, e1007690.	4.7	54
62	Functionalized carbon nanotubes and graphene-based materials for energy storage. <i>Chemical Communications</i> , 2016, 52, 14350-14360.	4.1	53
63	Preparation of MnO <sub>2</sub> /carbon nanowires composites for supercapacitors. <i>Electrochimica Acta</i> , 2016, 212, 710-721.	5.2	53
64	Synthesis of a porous sheet-like V <sub>2</sub> O <sub>5</sub> â€“CNT nanocomposite using an ice-templating â€“bricks-and-mortarâ€™ assembly approach as a high-capacity, long cyclife cathode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2729-2737.	10.3	52
65	Ecofriendly UV-protective films based on poly(propylene carbonate) biocomposites filled with TiO <sub>2</sub> decorated lignin. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 1030-1036.	7.5	52
66	Bioinspired Interface Design of Sewable, Weavable, and Washable Fiber Zinc Batteries for Wearable Power Textiles. <i>Advanced Functional Materials</i> , 2020, 30, 2004430.	14.9	52
67	Single Janus iodine-doped rGO/rGO film with multi-responsive actuation and high capacitance for smart integrated electronics. <i>Nano Energy</i> , 2018, 53, 916-925.	16.0	51
68	Bi-phase fire-resistant polyethylenimine/graphene oxide/melanin coatings using layer by layer assembly technique: Smoke suppression and thermal stability of flexible polyurethane foams. <i>Polymer</i> , 2019, 170, 65-75.	3.8	51
69	Integration of Sn/C yolkâ€“shell nanostructures into free-standing conductive networks as hierarchical composite 3D electrodes and the Li-ion insertion/extraction properties in a gel-type lithium-ion battery thereof. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19122-19130.	10.3	50
70	Free-standing N-doped carbon nanofibers/carbon nanotubes hybrid film for flexible, robust half and full lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2018, 334, 682-690.	12.7	50
71	Flexible Platinum-Free Fiber-Shaped Dye Sensitized Solar Cell with 10.28% Efficiency. <i>ACS Applied Energy Materials</i> , 2019, 2, 2870-2877.	5.1	50
72	Vertically Aligned N-doped Carbon Nanotubes Arrays as Efficient Binder-free Catalysts for Flexible Li-CO <sub>2</sub> Batteries. <i>Energy Storage Materials</i> , 2021, 35, 148-156.	18.0	50

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73	Global in situ Observations of Essential Climate and Ocean Variables at the Air–Sea Interface. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	49
74	A novel flexible fiber-shaped dual-ion battery with high energy density based on omnidirectional porous Al wire anode. <i>Nano Energy</i> , 2019, 60, 285-293.	16.0	49
75	Sulfur quantum dots wrapped by conductive polymer shell with internal void spaces for high-performance lithium–sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4049-4057.	10.3	48
76	Light Illuminated $\text{Fe}_2\text{O}_3/\text{Pt}$ Nanoparticles as Water Activation Agent for Photoelectrochemical Water Splitting. <i>Scientific Reports</i> , 2015, 5, 9130.	3.3	48
77	Exogenous miR-26a suppresses muscle wasting and renal fibrosis in obstructive kidney disease. <i>FASEB Journal</i> , 2019, 33, 13590-13601.	0.5	48
78	Functional analysis of deubiquitylating enzymes in tumorigenesis and development. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2019, 1872, 188312.	7.4	48
79	Low Temperature Vacuum Synthesis of Triangular CoO Nanocrystal/Graphene Nanosheets Composites with Enhanced Lithium Storage Capacity. <i>Scientific Reports</i> , 2015, 5, 10017.	3.3	47
80	An aqueous rechargeable lithium battery based on $\text{LiV}_3\text{O}_8$ and $\text{Li}[\text{Ni}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}]\text{O}_2$ . <i>Journal of Applied Electrochemistry</i> , 2008, 38, 579-581.	2.9	46
81	Conformal coating of $\text{TiO}_2$ nanorods on a 3-D CNT scaffold by using a CNT film as a nanoreactor: a free-standing and binder-free Li-ion anode. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2701.	10.3	46
82	Discovery and Characterization of a Nitroreductase Capable of Conferring Bacterial Resistance to Chloramphenicol. <i>Cell Chemical Biology</i> , 2019, 26, 559-570.e6.	5.2	45
83	Preharvest multiple sprays with sodium nitroprusside promote wound healing of harvested muskmelons by activation of phenylpropanoid metabolism. <i>Postharvest Biology and Technology</i> , 2019, 158, 110988.	6.0	43
84	Computationally Assisted Discovery and Assignment of a Highly Strained and PANC-1 Selective Alkaloid from Alaska's Deep Ocean. <i>Journal of the American Chemical Society</i> , 2019, 141, 4338-4344.	13.7	43
85	Binder-Free MoN Nanofibers Catalysts for Flexible $\text{Li}^{+}$ Electron Oxalate-Based $\text{Li}^{+}$ Batteries with High Energy Efficiency. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	42
86	Characteristics of the Life Cycle of Porcine Deltacoronavirus (PDCoV) In Vitro: Replication Kinetics, Cellular Ultrastructure and Virion Morphology, and Evidence of Inducing Autophagy. <i>Viruses</i> , 2019, 11, 455.	3.3	40
87	Fabrication and characterization of polycarbonate/carbon nanotubes composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2006, 37, 1485-1489.	7.6	39
88	Flexible and Hierarchical 3D Interconnected Silver Nanowires/Cellulosic Paper-Based Thermoelectric Sheets with Superior Electrical Conductivity and Ultrahigh Thermal Dispersion Capability. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 39088-39099.	8.0	39
89	<p>Significant prognostic values of aquaporin mRNA expression in breast cancer</p>. <i>Cancer Management and Research</i> , 2019, Volume 11, 1503-1515.	1.9	39
90	Decreasing the Overpotential of Aprotic $\text{Li}^{+}$ Batteries with the $\text{In}^{+}$ Plane Alloy Structure in Ultrathin 2D $\text{Ru}^{+}$ -Based Nanosheets. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	39

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91	Flexible three-dimensional electrodes of hollow carbon bead strings as graded sulfur reservoirs and the synergistic mechanism for lithium–sulfur batteries. <i>Applied Surface Science</i> , 2017, 413, 209-218.	6.1	38
92	2D Metal–Organic Framework Derived CuCo Alloy Nanoparticles Encapsulated by Nitrogen–Doped Carbonaceous Nanoleaves for Efficient Bifunctional Oxygen Electrocatalyst and Zinc–Air Batteries. <i>Chemistry - A European Journal</i> , 2019, 25, 12780-12788.	3.3	38
93	Nanocellulose intercalation to boost the performance of MXene pressure sensor for human interactive monitoring. <i>Journal of Materials Science</i> , 2021, 56, 13859-13873.	3.7	38
94	The preparation of bifunctional electrospun air filtration membranes by introducing attapulgite for the efficient capturing of ultrafine PMs and hazardous heavy metal ions. <i>Environmental Pollution</i> , 2019, 249, 851-859.	7.5	37
95	Genome-wide identification and characterization of laccase gene family in <i>Citrus sinensis</i> . <i>Gene</i> , 2019, 689, 114-123.	2.2	37
96	Dopamine Delivery via pH–Sensitive Nanoparticles for Tumor Blood Vessel Normalization and an Improved Effect of Cancer Chemotherapeutic Drugs. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900283.	7.6	36
97	Sexual Dimorphism of Gut Microbiota Dictates Therapeutics Efficacy of Radiation Injuries. <i>Advanced Science</i> , 2019, 6, 1901048.	11.2	36
98	Facile synthesis of magnetic carbon nanotubes derived from ZIF-67 and application to magnetic solid-phase extraction of profens from human serum. <i>Talanta</i> , 2020, 207, 120284.	5.5	34
99	Facile synthesis of graphene supported ultralong TiO <sub>2</sub> nanofibers from the commercial titania for high performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6642-6648.	10.3	33
100	Effects of 3,5-bis(trifluoromethyl)benzeneboronic acid as an additive on electrochemical performance of propylene carbonate-based electrolytes for lithium ion batteries. <i>Electrochimica Acta</i> , 2008, 54, 816-820.	5.2	32
101	Polymeric cathode materials of electroactive conducting poly(triphenylamine) with optimized structures for potential organic pseudo-capacitors with higher cut-off voltage and energy density. <i>RSC Advances</i> , 2015, 5, 9221-9227.	3.6	32
102	Northern Hemisphere Land Monsoon Precipitation Increased by the Green Sahara During Middle Holocene. <i>Geophysical Research Letters</i> , 2019, 46, 9870-9879.	4.0	30
103	Rechargeable Li–CO <sub>2</sub> Batteries with Graphdiyne as Efficient Metal–Free Cathode Catalysts. <i>Advanced Functional Materials</i> , 2021, 31, 2101423.	14.9	30
104	Omnidirectional porous fiber scrolls of polyaniline nanopillars array-N-doped carbon nanofibers for fiber-shaped supercapacitors. <i>Materials Today Energy</i> , 2017, 5, 196-204.	4.7	29
105	Patterns of nitrogen-fixing tree abundance in forests across Asia and America. <i>Journal of Ecology</i> , 2019, 107, 2598-2610.	4.0	29
106	Earthquake resilient RC walls using shape memory alloy bars and replaceable energy dissipating devices. <i>Smart Materials and Structures</i> , 2019, 28, 065021.	3.5	29
107	Efficient genome editing in <i>Aspergillus niger</i> with an improved recyclable CRISPR-HDR toolbox and its application in introducing multiple copies of heterologous genes. <i>Journal of Microbiological Methods</i> , 2019, 163, 105655.	1.6	28
108	Fabrication of a novel antibacterial TPU nanofiber membrane containing Cu-loaded zeolite and its antibacterial activity toward <i>Escherichia coli</i> . <i>Journal of Materials Science</i> , 2019, 54, 11682-11693.	3.7	28



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109	Hemisphere and Gender Differences in the Rich-Club Organization of Structural Networks. <i>Cerebral Cortex</i> , 2019, 29, 4889-4901.	2.9	28
110	The Histone Deacetylases HosA and HdaA Affect the Phenotype and Transcriptomic and Metabolic Profiles of <i>Aspergillus niger</i> . <i>Toxins</i> , 2019, 11, 520.	3.4	27
111	How Northern High-Latitude Volcanic Eruptions in Different Seasons Affect ENSO. <i>Journal of Climate</i> , 2019, 32, 3245-3262.	3.2	27
112	A coaxial yarn electrode based on hierarchical MoS <sub>2</sub> nanosheets/carbon fiber tows for flexible solid-state supercapacitors. <i>RSC Advances</i> , 2016, 6, 57190-57198.	3.6	26
113	Porous <sc>CoF<sub>2</sub></sc> Spheres Synthesized by a One-Pot Solvothermal Method as High Capacity Cathode Materials for Lithium-Ion Batteries. <i>Chinese Journal of Chemistry</i> , 2017, 35, 48-54.	4.9	26
114	The retroviral accessory proteins S2, Nef, and glycoMA use similar mechanisms for antagonizing the host restriction factor SERINC5. <i>Journal of Biological Chemistry</i> , 2019, 294, 7013-7024.	3.4	26
115	The production of carbon nanospheres by the pyrolysis of polyacrylonitrile. <i>Carbon</i> , 2008, 46, 1816-1818.	10.3	25
116	Methyl phenyl bis-methoxydiethoxysilane as bi-functional additive to propylene carbonate-based electrolyte for lithium ion batteries. <i>Electrochimica Acta</i> , 2011, 56, 4858-4864.	5.2	25
117	Titania nanotube synthesized by a facile, scalable and cheap hydrolysis method for reversible lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2012, 527, 132-136.	5.5	24
118	Graphene-Enveloped Poly( <i>N</i> -vinylcarbazole)/Sulfur Composites with Improved Performances for Lithium-Sulfur Batteries by A Simple Vibrating-Emulsification Method. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 16668-16675.	8.0	24
119	Two dimethoxyphenylamine-substituted carbazole derivatives as hole-transporting materials for efficient inorganic-organic hybrid perovskite solar cells. <i>Dyes and Pigments</i> , 2017, 146, 589-595.	3.7	24
120	Oxygen-containing functional groups on bioelectrode surface enhance expression of c-type cytochromes in biofilm and boost extracellular electron transfer. <i>Bioresource Technology</i> , 2019, 292, 121995.	9.6	24
121	Li- <sup>6</sup> CO <sub>2</sub> Batteries: Bamboo-Like Nitrogen-Doped Carbon Nanotube Forests as Durable Metal-Free Catalysts for Self-Powered Flexible Li- <sup>6</sup> CO <sub>2</sub> Batteries (Adv. Mater. 39/2019). <i>Advanced Materials</i> , 2019, 31, 1970279.	21.0	24
122	Flexible self-powered fiber-shaped photocapacitors with ultralong cyclelife and total energy efficiency of 5.1%. <i>Energy Storage Materials</i> , 2020, 24, 255-264.	18.0	24
123	N-Phenylmaleimide as a new polymerizable additive for overcharge protection of lithium-ion batteries. <i>Electrochemistry Communications</i> , 2008, 10, 727-730.	4.7	23
124	Thyroid Antibody Status is Associated with Central Lymph Node Metastases in Papillary Thyroid Carcinoma Patients with Hashimoto's Thyroiditis. <i>Annals of Surgical Oncology</i> , 2019, 26, 1751-1758.	1.5	23
125	Forecasting interacting vacuum-energy models using gravitational waves. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 050-050.	5.4	23
126	Poly(3,4-ethylene-dioxythiophene)-poly(styrenesulfonate) glued and graphene encapsulated sulfur-carbon film for high-performance free-standing lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2017, 342, 772-778.	7.8	22



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127	Highly sensitive aflatoxin B1 sensor based on DNA-guided assembly of fluorescent probe and TdT-assisted DNA polymerization. <i>Food Chemistry</i> , 2019, 294, 19-26.	8.2	22
128	Electroactive Polymer Fiber Separators for Stable and Reversible Overcharge Protection in Rechargeable Lithium Batteries. <i>Journal of the Electrochemical Society</i> , 2014, 161, A1039-A1044.	2.9	21
129	Thyroid disorders in patients with myasthenia gravis: A systematic review and meta-analysis. <i>Autoimmunity Reviews</i> , 2019, 18, 102368.	5.8	21
130	Experimental investigation on seismic behavior of square CFT columns with different shear stud layout. <i>Journal of Constructional Steel Research</i> , 2019, 153, 130-138.	3.9	21
131	2-Phenylimidazole as an additive to prevent the co-intercalation of propylene carbonate in organic electrolyte for lithium-ion batteries. <i>Journal of Power Sources</i> , 2009, 189, 757-760.	7.8	20
132	Cadmium sulfide quantum dots sensitized tin dioxide/titanium dioxide heterojunction for efficient photoelectrochemical hydrogen production. <i>Journal of Power Sources</i> , 2014, 269, 866-872.	7.8	20
133	Porous carbon nanofibers formed in situ by electrospinning with a volatile solvent additive into an ice water bath for lithium-sulfur batteries. <i>RSC Advances</i> , 2015, 5, 23749-23757.	3.6	20
134	Multiscale sulfur particles confined in honeycomb-like graphene with the assistance of bio-based adhesive for ultrathin and robust free-standing electrode of Li-S batteries with improved performance. <i>RSC Advances</i> , 2016, 6, 9320-9327.	3.6	20
135	Recent studies of LPXRFa receptor signaling in fish and other vertebrates. <i>General and Comparative Endocrinology</i> , 2019, 277, 3-8.	1.8	20
136	Scorpion Venom Heat-Resistant Peptide is Neuroprotective against Cerebral Ischemia-Reperfusion Injury in Association with the NMDA-MAPK Pathway. <i>Neuroscience Bulletin</i> , 2020, 36, 243-253.	2.9	20
137	Numerical simulation and behavior insights of steel columns with SMA bolts towards earthquake resilience. <i>Journal of Constructional Steel Research</i> , 2019, 161, 285-295.	3.9	19
138	Improving electrochemical performance of graphitic carbon in PC-based electrolytes by using N-vinyl-2-pyrrolidone as an additive. <i>Electrochemistry Communications</i> , 2008, 10, 1571-1574.	4.7	18
139	Self-templated formation of tremella-like MoS <sub>2</sub> with expanded spacing of (002) crystal planes for Li-ion batteries. <i>Journal of Materials Science</i> , 2016, 51, 4739-4747.	3.7	18
140	Dynamic Response of Concrete Frames Including Plain Ductile Cementitious Composites. <i>Journal of Structural Engineering</i> , 2019, 145, .	3.4	18
141	Mechanisms of redundancy and specificity of the <i>Aspergillus fumigatus</i> Crh transglycosylases. <i>Nature Communications</i> , 2019, 10, 1669.	12.8	18
142	Role of caprin-1 in carcinogenesis (Review). <i>Oncology Letters</i> , 2019, 18, 15-21.	1.8	17
143	Circulating microRNA-144-3p and miR-762 are novel biomarkers of Graves' disease. <i>Endocrine</i> , 2019, 65, 102-109.	2.3	17
144	Improving expression of thermostable trehalase from <i>Myceliophthora sepedonium</i> in <i>Aspergillus niger</i> mediated by the CRISPR/Cas9 tool and its purification, characterization. <i>Protein Expression and Purification</i> , 2020, 165, 105482.	1.3	17

#	ARTICLE	IF	CITATIONS
145	Artificial Solidâ€Electrolyte Interphase and Bambooâ€Like Nâ€doped Carbon Nanotube Enabled Highly Rechargeable Kâ€CO <sub>2</sub> Batteries. <i>Advanced Functional Materials</i> , 2022, 32, 2105029.	14.9	17
146	Association of maternal chronic arsenic exposure with the risk of neural tube defects in Northern China. <i>Environment International</i> , 2019, 126, 222-227.	10.0	16
147	Triclosan and Female Reproductive Health. <i>Epidemiology</i> , 2019, 30, S24-S31.	2.7	16
148	Graph-based network analysis of resting-state fMRI: test-retest reliability of binarized and weighted networks. <i>Brain Imaging and Behavior</i> , 2020, 14, 1361-1372.	2.1	16
149	Predominance of abiotic drivers in the relationship between species diversity and litterfall production in a tropical karst seasonal rainforest. <i>Forest Ecology and Management</i> , 2019, 449, 117452.	3.2	15
150	Expression of microRNAs in the plasma of patients with acute gouty arthritis and the effects of colchicine and etoricoxib on the differential expression of microRNAs. <i>Archives of Medical Science</i> , 2019, 15, 1047-1055.	0.9	15
151	Vibration optimization of an infinite circular AT-cut quartz resonator with ring electrodes. <i>Applied Mathematical Modelling</i> , 2019, 72, 217-229.	4.2	15
152	Amorphous H <sub>0.82</sub> MoO <sub>3.26</sub> cathodes based long cyclelife fiber-shaped Zn-ion battery for wearable sensors. <i>Energy Storage Materials</i> , 2022, 49, 227-235.	18.0	15
153	Stable and high-rate overcharge protection for rechargeable lithium batteries. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6849.	2.8	14
154	Regulation of CP-25 on P-glycoprotein in synoviocytes of rats with adjuvant arthritis. <i>Biomedicine and Pharmacotherapy</i> , 2019, 119, 109432.	5.6	14
155	Levels of polycyclic aromatic hydrocarbons in umbilical cord and risk of orofacial clefts. <i>Science of the Total Environment</i> , 2019, 678, 123-132.	8.0	14
156	In vitro effects of tongue sole LPXRfA and kisspeptin on relative abundance of pituitary hormone mRNA and inhibitory action of LPXRfA on kisspeptin activation in the PKC pathway. <i>Animal Reproduction Science</i> , 2019, 203, 1-9.	1.5	14
157	Heterologous expression and characterization of Penicillium citrinum nuclease P1 in Aspergillus niger and its application in the production of nucleotides. <i>Protein Expression and Purification</i> , 2019, 156, 36-43.	1.3	14
158	Paraliobacillus zengyii sp. nov., a slightly halophilic and extremely halotolerant bacterium isolated from Tibetan antelope faeces. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 1426-1432.	1.7	14
159	Direct and understory-mediated indirect effects of human-induced environmental changes on litter decomposition in temperate forest. <i>Soil Biology and Biochemistry</i> , 2019, 138, 107579.	8.8	13
160	Recommended acceptable levels of maternal serum typical toxic metals from the perspective of spontaneous preterm birth in Shanxi Province, China. <i>Science of the Total Environment</i> , 2019, 686, 599-605.	8.0	13
161	Micro/nanostructured MnCo <sub>2</sub> O <sub>4.5</sub> anodes with high reversible capacity and excellent rate capability for next generation lithium-ion batteries. <i>Applied Energy</i> , 2019, 252, 113452.	10.1	13
162	Health effects of air pollution: what we need to know and to do in the next decade. <i>Journal of Thoracic Disease</i> , 2019, 11, 1727-1730.	1.4	13

#	ARTICLE	IF	CITATIONS
163	Novel <sup>18</sup> F-Labeled Radioligands for Positron Emission Tomography Imaging of Myelination in the Central Nervous System. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 4902-4914.	6.4	13
164	Fiber-shaped Supercapacitors: Advanced Strategies toward High-performances and Multi-functions. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020, 38, 403-422.	3.8	13
165	Proteomics Screening of Differentially Expressed Cytokines in Tears of Patients with Graves' Ophthalmopathy. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2020, 20, 87-95.	1.2	13
166	Electrode Nanomaterials for Room Temperature Sodium-Ion Batteries: A Review. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 6295-6307.	0.9	12
167	Dual roles of hydrogen peroxide in promoting zebrafish renal repair and regeneration. <i>Biochemical and Biophysical Research Communications</i> , 2019, 516, 680-685.	2.1	12
168	<i>N</i> -Butyl Haloperidol Iodide Ameliorates Oxidative Stress in Mitochondria Induced by Hypoxia/Reoxygenation through the Mitochondrial c-Jun N-Terminal Kinase/Sab/Src/Reactive Oxygen Species Pathway in H9c2 Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-14.	4.0	12
169	Gel-type polymer separator with higher thermal stability and effective overcharge protection of 4.2V for secondary lithium-ion batteries. <i>RSC Advances</i> , 2016, 6, 52966-52973.	3.6	11
170	Efficient expression of a novel thermophilic fungal $\beta$ -mannosidase from <i>Lichtheimia ramosa</i> with broad-range pH stability and its synergistic hydrolysis of locust bean gum. <i>Journal of Bioscience and Bioengineering</i> , 2019, 128, 416-423.	2.2	11
171	The transcripts of CRF and CRF receptors under fasting stress in Dabry's sturgeon ( <i>Acipenser</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 1.8 11	1.8	11
172	Comparison of hyper- and hypofractionated radiation schemes with IMRT technique in small cell lung cancer: Clinical outcomes and the introduction of extended LQ and TCP models. <i>Radiotherapy and Oncology</i> , 2019, 136, 98-105.	0.6	11
173	Thyroid disorders in patients with systemic sclerosis: A systematic review and meta-analysis. <i>Autoimmunity Reviews</i> , 2019, 18, 634-636.	5.8	11
174	A novel thermophilic $\beta$ -mannanase with broad-range pH stability from <i>Lichtheimia ramosa</i> and its synergistic effect with $\beta$ -galactosidase on hydrolyzing palm kernel meal. <i>Process Biochemistry</i> , 2020, 88, 51-59.	3.7	10
175	Excitation and detection of evanescent acoustic waves in piezoelectric plates: Theoretical and 2D FEM modeling. <i>Ultrasonics</i> , 2019, 99, 105961.	3.9	9
176	A smart preparation strategy for point-of-care cellular counting of trace volumes of human blood. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2767-2780.	3.7	9
177	Fiber-Shaped Fluidic Nanogenerator with High Power Density for Self-Powered Integrated Electronics. <i>Cell Reports Physical Science</i> , 2020, 1, 100175.	5.6	9
178	Ultrafine nanosulfur particles sandwiched in little oxygen-functionalized graphene layers as cathodes for high rate and long-life lithium-sulfur batteries. <i>Nanotechnology</i> , 2020, 31, 245404.	2.6	9
179	Risk of Thyroid Disorders in Patients with Gout and Hyperuricemia. <i>Hormone and Metabolic Research</i> , 2019, 51, 522-530.	1.5	8
180	UCN3 suppresses food intake in coordination with CCK and the CCK2R in Siberian sturgeon ( <i>Acipenser</i> ) Tj ETQq0 0 0 rgBT /Overlock 1.8 8	1.8	8

#	ARTICLE	IF	CITATIONS
181	Specificity of NHERF1 regulation of GPCR signaling and function in human airway smooth muscle. <i>FASEB Journal</i> , 2019, 33, 9008-9016.	0.5	8
182	<i>Klebsiella pneumoniae</i> -induced multiple invasive abscesses. <i>Medicine (United States)</i> , 2019, 98, e17362.	1.0	8
183	Biomass derived carbon containing in-situ constructed nickel-based hydroxide nanostructures based on MnO <sub>2</sub> template for high performance asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021, 884, 161149.	5.5	8
184	Carbon-coated hollow CoO microporous nanospheres synthesized by CoF <sub>2</sub> as the intermediates as anode materials for lithium-ion batteries. <i>Ionics</i> , 2018, 24, 1587-1594.	2.4	7
185	Lower clearance of sodium tanshinone IIA sulfonate in coronary heart disease patients and the effect of total bilirubin: a population pharmacokinetics analysis. <i>Chinese Journal of Natural Medicines</i> , 2019, 17, 218-226.	1.3	7
186	Peripheral T cell receptor beta immune repertoire is promptly reconstituted after acute myocardial infarction. <i>Journal of Translational Medicine</i> , 2019, 17, 40.	4.4	7
187	Copper Indium Sulfide Enables $\text{Li}^{+}\text{CO}_2$ Batteries with Boosted Reaction Kinetics and Cycling Stability. <i>Energy and Environmental Materials</i> , 2023, 6, .	12.8	7
188	Graphene oxide hydrogel as a restricted-area nanoreactor for synthesis of 3D graphene-supported ultrafine TiO <sub>2</sub> nanorod nanocomposites for high-rate lithium-ion battery anodes. <i>Nanotechnology</i> , 2017, 28, 305401.	2.6	6
189	Design and synthesis of organic rectorite-based composite nanofiber membrane with enhanced adsorption performance for bisphenol A. <i>Environmental Science and Pollution Research</i> , 2019, 26, 28860-28870.	5.3	6
190	In situ synthesized single-crystalline LiMn <sub>2</sub> O <sub>4</sub> embedded in carbon nanotube films as free-standing cathodes for Li-ion batteries. <i>RSC Advances</i> , 2016, 6, 22061-22068.	3.6	5
191	Clinical analysis of 21-gene recurrence score test in hormone receptor-positive early-stage breast cancer. <i>Oncology Letters</i> , 2019, 17, 5469-5480.	1.8	5
192	Decoding sound categories based on whole-brain functional connectivity patterns. <i>Brain Imaging and Behavior</i> , 2020, 14, 100-109.	2.1	5
193	Flexible High Energy Density Sodium Dual-ion Battery with Long Cycle life. <i>Energy and Environmental Materials</i> , 2022, 5, 1285-1293.	12.8	5
194	Cinacalcet attenuated bone loss via inhibiting parathyroid hormone-induced endothelial-to-adipocyte transition in chronic kidney disease rats. <i>Annals of Translational Medicine</i> , 2019, 7, 312-312.	1.7	5
195	Revolution-assisted direct writing of highly controllable spiral graphene fibers with ultrasensitive photoelectric response. <i>Composites Communications</i> , 2021, 26, 100783.	6.3	3
196	A luminescent 2D $\rightarrow$ 3D Cd complex via $\pi$ - $\pi^*$ interaction based on bis(4-(1H-imidazol-1-yl)phenyl)amine and 1,3-dicarboxybenzene acid. <i>Crystallography Reports</i> , 2017, 62, 923-927.	0.6	2
197	Safety and efficacy of zotarolimus-eluting stents in the treatment of diabetic coronary lesions in Chinese patients: The RESOLUTE- $\Delta$ DIABETES CHINA Study. <i>Journal of Diabetes</i> , 2019, 11, 204-213.	1.8	2
198	Decoding natural scenes based on sounds of objects within scenes using multivariate pattern analysis. <i>Neuroscience Research</i> , 2019, 148, 9-18.	1.9	2

#	ARTICLE	IF	CITATIONS
199	Relationship Between mTOR Signaling Activation and Postoperative Neurocognitive Disorder in Aged Rats. Cognitive and Behavioral Neurology, 2019, 32, 193-200.	0.9	0