

# Wen Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1861373/publications.pdf>

Version: 2024-02-01

243  
papers

20,039  
citations

9264

74  
h-index

12597

132  
g-index

250  
all docs

250  
docs citations

250  
times ranked

19483  
citing authors

#	ARTICLE	IF	CITATIONS
1	An integrated flexible film as cathode for High-Performance Lithium-Sulfur battery. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1627-1635.	9.4	7
2	Tunable active sites on biogas digestate derived biochar for sulfanilamide degradation by peroxymonosulfate activation. <i>Journal of Hazardous Materials</i> , 2022, 421, 126794.	12.4	75
3	Interwoven nickel(II)-dimethylglyoxime nanowires in 3D nickel foam for dendrite-free lithium deposition. <i>Chinese Chemical Letters</i> , 2022, 33, 2165-2170.	9.0	15
4	Organophosphorus Hybrid Solid Electrolyte Interphase Layer Based on $\text{Li}_2\text{PO}_4$ Enables Uniform Lithium Deposition for High-Performance Lithium Metal Batteries. <i>Advanced Functional Materials</i> , 2022, 32, 2107923.	14.9	27
5	Visible light photocatalytic degradation of sulfanilamide enhanced by Mo doping of BiOBr nanoflowers. <i>Journal of Hazardous Materials</i> , 2022, 424, 127563.	12.4	104
6	Synergistic interaction between inorganic layered materials and intumescent fire retardants for advanced fire protection. <i>Carbon</i> , 2022, 187, 290-301.	10.3	15
7	Ultrathin Aluminum Nanosheets Grown on Carbon Nanotubes for High Performance Lithium Ion Batteries. <i>Advanced Functional Materials</i> , 2022, 32, 2109112.	14.9	17
8	Toward stable zinc aqueous rechargeable batteries by anode morphology modulation via polyaspartic acid additive. <i>Energy Storage Materials</i> , 2022, 45, 777-785.	18.0	44
9	Organogel-assisted porous organic polymer embedding Cu NPs for selectivity control in the semi hydrogenation of alkynes. <i>Nanoscale</i> , 2022, 14, 1505-1519.	5.6	14
10	Synthetic solid oxide sorbents for $\text{CO}_2$ capture: state-of-the art and future perspectives. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1682-1705.	10.3	40
11	Accelerated Oxidation of Organic Micropollutants during Peracetic Acid Treatment in the Presence of Bromide Ions. <i>ACS ES&amp;T Water</i> , 2022, 2, 320-328.	4.6	10
12	Application of Titanate Nanotubes for Photocatalytic Decontamination in Water: Challenges and Prospects. <i>ACS ES&amp;T Engineering</i> , 2022, 2, 1015-1038.	7.6	24
13	Optimisation of syngas production from a novel two-step chemical looping reforming process using Fe-dolomite as oxygen carriers. <i>Fuel Processing Technology</i> , 2022, 228, 107169.	7.2	11
14	Hydrogen atom abstraction mechanism for organic compound oxidation by acetylperoxyl radical in Co(II)/peracetic acid activation system. <i>Water Research</i> , 2022, 212, 118113.	11.3	44
15	$\text{CO}_2$ hydrogenation to methanol on tungsten-doped Cu/CeO <sub>2</sub> catalysts. <i>Applied Catalysis B: Environmental</i> , 2022, 306, 121098.	20.2	50
16	Efficient ofloxacin degradation via photo-Fenton process over eco-friendly MIL-88A(Fe): Performance, degradation pathways, intermediate library establishment and toxicity evaluation. <i>Environmental Research</i> , 2022, 210, 112937.	7.5	25
17	Increasing oxygen vacancies in CeO <sub>2</sub> nanocrystals by Ni doping and reduced graphene oxide decoration towards electrocatalytic hydrogen evolution. <i>CrystEngComm</i> , 2022, 24, 3369-3379.	2.6	9
18	Effect and Mechanism of Titanium Nanomaterials on Microbial Community Structure and Function in Sequencing Batch Reactor. <i>ACS ES&amp;T Water</i> , 2022, 2, 395-404.	4.6	2

#	ARTICLE	IF	CITATIONS
19	Interface Engineering of Co(OH) <sub>2</sub> Nanosheets Growing on the KNbO <sub>3</sub> Perovskite Based on Electronic Structure Modulation for Enhanced Peroxymonosulfate Activation. <i>Environmental Science &amp; Technology</i> , 2022, 56, 5200-5212.	10.0	136
20	Efficient activation of ferrate(VI) by colloid manganese dioxide: Comprehensive elucidation of the surface-promoted mechanism. <i>Water Research</i> , 2022, 215, 118243.	11.3	46
21	Life cycle climate change mitigation through next-generation urban waste recovery systems in high-density Asian cities: A Singapore Case Study. <i>Resources, Conservation and Recycling</i> , 2022, 181, 106265.	10.8	7
22	Concentrate and degrade PFOA with a photo-regenerable composite of In-doped TNTs@AC. <i>Chemosphere</i> , 2022, 300, 134495.	8.2	13
23	Blubber Cortisol-Based Approach to Explore the Endocrine Responses of Indo-Pacific Humpback Dolphins ( <i>Sousa chinensis</i> ) to Diet Shifts and Contaminant Exposure. <i>Environmental Science &amp; Technology</i> , 2022, 56, 1069-1080.	10.0	11
24	Stabilizing single-atomic ruthenium by ferrous ion doped NiFe-LDH towards highly efficient and sustained water oxidation. <i>Chemical Engineering Journal</i> , 2022, 446, 136962.	12.7	25
25	Boosting Electrocatalytic Hydrogen Evolution with Anodic Oxidative Upgrading of Formaldehyde over Trimetallic Carbides. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 7108-7116.	6.7	5
26	Effects of Molecular Structure on Organic Contaminants'™ Degradation Efficiency and Dominant ROS in the Advanced Oxidation Process with Multiple ROS. <i>Environmental Science &amp; Technology</i> , 2022, 56, 8784-8795.	10.0	161
27	Breaking the Stoichiometric Limit in Oxygen-Carrying Capacity of Fe-Based Oxygen Carriers for Chemical Looping Combustion using the Mg-Fe-O Solid Solution System. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 7242-7252.	6.7	6
28	<i>In-Situ</i> Construction of Ceramic-Polymer All-Solid-State Electrolytes for High-Performance Room-Temperature Lithium Metal Batteries. , 2022, 4, 1297-1305.		13
29	Regulation of Zinc Interface by Maltitol for Long-Life Dendrite-free Aqueous Zinc Ion Batteries. <i>Journal of Electronic Materials</i> , 2022, 51, 4763-4771.	2.2	5
30	Designing Anion-Derived Solid Electrolyte Interphase in a Siloxane-Based Electrolyte for Lithium-Metal Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 27873-27881.	8.0	23
31	Constructing a lithiophilic and mixed conductive interphase layer in electrolyte with dual-anion solvation sheath for stable lithium metal anode. <i>Energy Storage Materials</i> , 2022, 50, 792-801.	18.0	14
32	Unraveling the Unique Role of Methyl Position on the Ring-Opening Barrier in Photocatalytic Decomposition of Xylene Isomers. <i>ACS Catalysis</i> , 2022, 12, 8363-8371.	11.2	8
33	Asymmetric double-layer composite electrolyte with enhanced ionic conductivity and interface stability for all-solid-state lithium metal batteries. <i>Chinese Chemical Letters</i> , 2021, 32, 125-131.	9.0	45
34	Bifunctional Bi <sub>12</sub> O <sub>17</sub> Cl <sub>2</sub> /MIL-100(Fe) composites toward photocatalytic Cr(VI) sequestration and activation of persulfate for bisphenol A degradation. <i>Science of the Total Environment</i> , 2021, 752, 141901.	8.0	175
35	Advanced electrolyte design for stable lithium metal anode: From liquid to solid. <i>Nano Energy</i> , 2021, 80, 105516.	16.0	111
36	Insights into catalytic activation of peroxydisulfate for carbamazepine degradation by MnO <sub>2</sub> nanoparticles in-situ anchored titanate nanotubes: Mechanism, ecotoxicity and DFT study. <i>Journal of Hazardous Materials</i> , 2021, 402, 123779.	12.4	141

#	ARTICLE	IF	CITATIONS
37	Engineering the interface between LiCoO <sub>2</sub> and Li <sub>10</sub> GeP <sub>2</sub> S <sub>12</sub> solid electrolytes with an ultrathin Li <sub>2</sub> CoTi <sub>3</sub> O <sub>8</sub> interlayer to boost the performance of all-solid-state batteries. <i>Energy and Environmental Science</i> , 2021, 14, 437-450.	30.8	82
38	Bulk and surface degradation in layered Ni-rich cathode for Li ions batteries: Defect proliferation via chain reaction mechanism. <i>Energy Storage Materials</i> , 2021, 35, 62-69.	18.0	46
39	Photo-ammonification of low molecular weight dissolved organic nitrogen by direct and indirect photolysis. <i>Science of the Total Environment</i> , 2021, 764, 142930.	8.0	8
40	Facile synthesis of sulfhydryl modified covalent organic frameworks for high efficient Hg(II) removal from water. <i>Journal of Hazardous Materials</i> , 2021, 405, 124190.	12.4	46
41	PtPdCu cubic nanoframes as electrocatalysts for methanol oxidation reaction. <i>CrystEngComm</i> , 2021, 23, 7978-7984.	2.6	5
42	Experimental and computational assessment of 1,4-Dioxane degradation in a photo-Fenton reactive ceramic membrane filtration process. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	6.0	14
43	Layered double hydroxide-based electrocatalysts for the oxygen evolution reaction: identification and tailoring of active sites, and superaerophobic nanoarray electrode assembly. <i>Chemical Society Reviews</i> , 2021, 50, 8790-8817.	38.1	331
44	An aqueous polyethylene oxide-based solid-state electrolyte with high voltage stability for dendrite-free lithium deposition <i>via</i> a self-healing electrostatic shield. <i>Dalton Transactions</i> , 2021, 50, 14296-14302.	3.3	7
45	Controlling lattice oxygen activity of oxygen carrier materials by design: a review and perspective. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 1527-1537.	3.7	21
46	CO <sub>2</sub> Capture for Dry Reforming of Natural Gas: Performance and Process Modeling of Calcium Carbonate Looping Using Acid Based CaCO <sub>3</sub> Sorbent. <i>Frontiers in Energy Research</i> , 2021, 8, .	2.3	2
47	Silicate-Enhanced Heterogeneous Flow-Through Electro-Fenton System Using Iron Oxides under Nanoconfinement. <i>Environmental Science &amp; Technology</i> , 2021, 55, 4045-4053.	10.0	192
48	A new multi-party quantum private comparison based on n-dimensional n-particle GHZ state. <i>Modern Physics Letters A</i> , 2021, 36, 2150083.	1.2	3
49	Recent Progress of the Design and Engineering of Bismuth Oxyhalides for Photocatalytic Nitrogen Fixation. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2000097.	5.8	14
50	Superwetting behaviors at the interface between electrode and electrolyte. <i>Cell Reports Physical Science</i> , 2021, 2, 100374.	5.6	22
51	Enhanced Oxidation of Organic Contaminants by Iron(II)-Activated Periodate: The Significance of High-Valent Iron "Oxo Species. <i>Environmental Science &amp; Technology</i> , 2021, 55, 7634-7642.	10.0	208
52	Tunable Covalent Organic Frameworks with Different Heterocyclic Nitrogen Locations for Efficient Cr(VI) Reduction, <i>Escherichia coli</i> Disinfection, and Paracetamol Degradation under Visible-Light Irradiation. <i>Environmental Science &amp; Technology</i> , 2021, 55, 5371-5381.	10.0	79
53	Simple Mix-and-Read Assay with Multiple Cyclic Enzymatic Repairing Amplification for Rapid and Sensitive Detection of DNA Glycosylase. <i>Analytical Chemistry</i> , 2021, 93, 6913-6918.	6.5	24
54	Uptake, excretion and toxicity of titanate nanotubes in three stains of free-living ciliates of the genus <i>Tetrahymena</i> . <i>Aquatic Toxicology</i> , 2021, 233, 105790.	4.0	7

#	ARTICLE	IF	CITATIONS
55	A novel electrocatalytic filtration system with carbon nanotube supported nanoscale zerovalent copper toward ultrafast oxidation of organic pollutants. <i>Water Research</i> , 2021, 194, 116961.	11.3	123
56	Insights into the Electron-Transfer Mechanism of Permanganate Activation by Graphite for Enhanced Oxidation of Sulfamethoxazole. <i>Environmental Science &amp; Technology</i> , 2021, 55, 9189-9198.	10.0	131
57	Ultrafast fluorescent probe with near-infrared analytical wavelength for fluoride ion detection in real samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 252, 119518.	3.9	12
58	Aerophilic Co-Embedded N-Doped Carbon Nanotube Arrays as Highly Efficient Cathodes for Aluminum-Air Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 26853-26860.	8.0	15
59	Hollow Carbon Spheres Embedded with VN Quantum Dots as an Efficient Cathode Host for Lithium-Sulfur Batteries. <i>Energy &amp; Fuels</i> , 2021, 35, 10219-10226.	5.1	17
60	Surface modification of BiOBr/TiO <sub>2</sub> by reduced AgBr for solar-driven PAHs degradation: Mechanism insight and application assessment. <i>Journal of Hazardous Materials</i> , 2021, 412, 125221.	12.4	58
61	Strong Metal-Support Interaction for 2D Materials: Application in Noble Metal/TiB <sub>2</sub> Heterointerfaces and their Enhanced Catalytic Performance for Formic Acid Dehydrogenation. <i>Advanced Materials</i> , 2021, 33, e2101536.	21.0	47
62	The degradation pathways of carbamazepine in advanced oxidation process: A mini review coupled with DFT calculation. <i>Science of the Total Environment</i> , 2021, 779, 146498.	8.0	88
63	Iron-Catalyzed Enantioselective Radical Carbooxidation and Diazidation of $\alpha,\beta$ -Unsaturated Carbonyl Compounds. <i>Journal of the American Chemical Society</i> , 2021, 143, 11856-11863.	13.7	50
64	Different degradation mechanisms of carbamazepine and diclofenac by single-atom Barium embedded g-C <sub>3</sub> N <sub>4</sub> : the role of photosensitization-like mechanism. <i>Journal of Hazardous Materials</i> , 2021, 416, 125936.	12.4	43
65	Highly efficient AgBr/h-MoO <sub>3</sub> with charge separation tuning for photocatalytic degradation of trimethoprim: Mechanism insight and toxicity assessment. <i>Science of the Total Environment</i> , 2021, 781, 146754.	8.0	38
66	Redox chemistry of N <sub>4</sub> -Fe <sub>2</sub> <sup>+</sup> in iron phthalocyanines for oxygen reduction reaction. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1404-1412.	14.0	33
67	Insights into the role of in-situ and ex-situ hydrogen peroxide for enhanced ferrate(VI) towards oxidation of organic contaminants. <i>Water Research</i> , 2021, 203, 117548.	11.3	72
68	Insight into the synergetic effect of photocatalysis and transition metal on sulfite activation: Different mechanisms for carbamazepine and diclofenac degradation. <i>Science of the Total Environment</i> , 2021, 787, 147626.	8.0	21
69	High-performance aqueous polysulfide-iodide flow battery realized by an efficient bifunctional catalyst based on copper sulfide. <i>Materials Today Energy</i> , 2021, 21, 100746.	4.7	14
70	Coupling chemical looping combustion of solid fuels with advanced steam cycles for CO <sub>2</sub> capture: A process modelling study. <i>Energy Conversion and Management</i> , 2021, 244, 114455.	9.2	30
71	Oxygen defective titanate nanotubes induced by iron deposition for enhanced peroxymonosulfate activation and acetaminophen degradation: Mechanisms, water chemistry effects, and theoretical calculation. <i>Journal of Hazardous Materials</i> , 2021, 418, 126180.	12.4	33
72	From dendritic mesoporous silica microspheres to waxberry-like hierarchical hollow carbon spheres: rational design of carbon host for lithium sulfur batteries. <i>Nanotechnology</i> , 2021, 32, 485405.	2.6	0

#	ARTICLE	IF	CITATIONS
73	Ni/Hydrochar Nanostructures Derived from Biomass as Catalysts for H <sub>2</sub> Production through Aqueous-Phase Reforming of Methanol. <i>ACS Applied Nano Materials</i> , 2021, 4, 8958-8971.	5.0	6
74	Recycling-oriented cathode materials design for lithium-ion batteries: Elegant structures versus complicated compositions. <i>Energy Storage Materials</i> , 2021, 41, 380-394.	18.0	46
75	Intensified solar thermochemical CO <sub>2</sub> splitting over iron-based redox materials via perovskite-mediated dealloying-exsolution cycles. <i>Chinese Journal of Catalysis</i> , 2021, 42, 2049-2058.	14.0	13
76	Single-step production of hydrogen-rich syngas from toluene using multifunctional Ni-dolomite catalysts. <i>Chemical Engineering Journal</i> , 2021, 425, 131522.	12.7	17
77	A mixed ion-electron conducting network derived from a porous CoP film for stable lithium metal anodes. <i>Materials Chemistry Frontiers</i> , 2021, 5, 5486-5496.	5.9	7
78	Catalytic separators with Co-N-C nanoreactors for high-performance lithium-sulfur batteries. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 3066-3076.	6.0	29
79	Elucidating the Strain-Vacancy-Activity Relationship on Structurally Deformed Co@CoO Nanosheets for Aqueous Phase Reforming of Formaldehyde. <i>Small</i> , 2021, 17, e2102970.	10.0	29
80	MoS <sub>x</sub> microgrid electrodes with geometric jumping effect for enhancing hydrogen evolution efficiency. <i>Science China Materials</i> , 2021, 64, 892-898.	6.3	3
81	Catalytic Asymmetric Halogenation/Semipinacol Rearrangement of 3-Hydroxy- $\beta$ -vinyl Oxindoles: A Stereodivergent Kinetic Resolution Process. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26599-26603.	13.8	18
82	Catalytic Asymmetric Halogenation/Semipinacol Rearrangement of 3-Hydroxy- $\beta$ -vinyl Oxindoles: A Stereodivergent Kinetic Resolution Process. <i>Angewandte Chemie</i> , 2021, 133, 26803.	2.0	3
83	Correlation of Active Sites to Generated Reactive Species and Degradation Routes of Organics in Peroxymonosulfate Activation by Co-Loaded Carbon. <i>Environmental Science &amp; Technology</i> , 2021, 55, 16163-16174.	10.0	189
84	Sorption of dispersed petroleum hydrocarbons by activated charcoals: Effects of oil dispersants. <i>Environmental Pollution</i> , 2020, 256, 113416.	7.5	23
85	The chemistry, recent advancements and activity descriptors for macrocycles based electrocatalysts in oxygen reduction reaction. <i>Coordination Chemistry Reviews</i> , 2020, 402, 213047.	18.8	78
86	Porous tube-like ZnS derived from rod-like ZIF-L for photocatalytic Cr(VI) reduction and organic pollutants degradation. <i>Environmental Pollution</i> , 2020, 256, 113417.	7.5	55
87	Carbon quantum dots modified tubular g-C <sub>3</sub> N <sub>4</sub> with enhanced photocatalytic activity for carbamazepine elimination: Mechanisms, degradation pathway and DFT calculation. <i>Journal of Hazardous Materials</i> , 2020, 381, 120957.	12.4	134
88	ZnCo <sub>2</sub> O <sub>4</sub> /ZnO induced lithium deposition in multi-scaled carbon/nickel frameworks for dendrite-free lithium metal anode. <i>Journal of Energy Chemistry</i> , 2020, 43, 16-23.	12.9	39
89	Co-pyrolysis of sewage sludge and hydrochar with coals: Pyrolytic behaviors and kinetics analysis using TG-FTIR and a discrete distributed activation energy model. <i>Energy Conversion and Management</i> , 2020, 203, 112226.	9.2	43
90	Decipher of the structure and surface chemistry in molybdenum phosphosulfide on electrochemical catalytic hydrogen evolution reaction. <i>Journal of Catalysis</i> , 2020, 382, 228-236.	6.2	12



#	ARTICLE	IF	CITATIONS
91	Magnetic Fe <sub>3</sub> O <sub>4</sub> -deposited flower-like MoS <sub>2</sub> nanocomposites for the Fenton-like Escherichia coli disinfection and diclofenac degradation. <i>Journal of Hazardous Materials</i> , 2020, 385, 121604.	12.4	116
92	Synthesis and Properties of Stable Sub-2-nm-Thick Aluminum Nanosheets: Oxygen Passivation and Two-Photon Luminescence. <i>CheM</i> , 2020, 6, 448-459.	11.7	15
93	Modification of zero valent iron nanoparticles by sodium alginate and bentonite: Enhanced transport, effective hexavalent chromium removal and reduced bacterial toxicity. <i>Journal of Hazardous Materials</i> , 2020, 388, 121822.	12.4	52
94	Ultrasonic stimulation of the brain to enhance the release of dopamine – A potential novel treatment for Parkinson’s disease. <i>Ultrasonics Sonochemistry</i> , 2020, 63, 104955.	8.2	25
95	Deep-blue fluorescent emitter based on a 9,9-dioctylfluorene bridge with a hybridized local and charge-transfer excited state for organic light-emitting devices with EQE exceeding 8%. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14117-14124.	5.5	34
96	Barium aluminate improved iron ore for the chemical looping combustion of syngas. <i>Applied Energy</i> , 2020, 272, 115236.	10.1	29
97	Developing Oxygen Carriers for Chemical Looping Biomass Processing: Challenges and Opportunities. <i>Advanced Sustainable Systems</i> , 2020, 4, 2000099.	5.3	26
98	Thiol- $\epsilon$ -Branched Solid Polymer Electrolyte Featuring High Strength, Toughness, and Lithium Ionic Conductivity for Lithium-Metal Batteries. <i>Advanced Materials</i> , 2020, 32, e2001259.	21.0	139
99	Oxygen-mediated water splitting on metal-free heterogeneous photocatalyst under visible light. <i>Applied Catalysis B: Environmental</i> , 2020, 279, 119378.	20.2	14
100	A concentrate-and-destroy technique for degradation of perfluorooctanoic acid in water using a new adsorptive photocatalyst. <i>Water Research</i> , 2020, 185, 116219.	11.3	87
101	Photocatalytic transformation fate and toxicity of ciprofloxacin related to dissociation species: Experimental and theoretical evidences. <i>Water Research</i> , 2020, 185, 116286.	11.3	99
102	Removal of 17 $\beta$ -Estradiol by Activated Charcoal Supported Titanate Nanotubes (TNTs@AC) through Initial Adsorption and Subsequent Photo-Degradation: Intermediates, DFT calculation, and Mechanisms. <i>Water (Switzerland)</i> , 2020, 12, 2121.	2.7	9
103	Construction of a sensitive protease sensor with DNA-peptide conjugates for single-molecule detection of multiple matrix metalloproteinases. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112647.	10.1	18
104	Synthesizing High-Volume Chemicals from CO <sub>2</sub> without Direct H <sub>2</sub> Input. <i>ChemSusChem</i> , 2020, 13, 6066-6089.	6.8	15
105	Asymmetric Catalytic Synthesis of Epoxides via Three-Component Reaction of Diazoacetates, 2-Oxo-3-ynoates, and Nitrosoarenes. <i>Organic Letters</i> , 2020, 22, 6744-6749.	4.6	10
106	AgI modified covalent organic frameworks for effective bacterial disinfection and organic pollutant degradation under visible light irradiation. <i>Journal of Hazardous Materials</i> , 2020, 398, 122865.	12.4	73
107	High performance Ni catalysts prepared by freeze drying for efficient dry reforming of methane. <i>Applied Catalysis B: Environmental</i> , 2020, 275, 119109.	20.2	60
108	An asymmetric quasi-solid electrolyte for high-performance Li metal batteries. <i>Chemical Communications</i> , 2020, 56, 7195-7198.	4.1	14

#	ARTICLE	IF	CITATIONS
109	Atomically Dispersed Fe-N <sub>4</sub> Modified with Precisely Located S for Highly Efficient Oxygen Reduction. Nano-Micro Letters, 2020, 12, 116.	27.0	99
110	Visible-Light-Driven Nitrogen Fixation Catalyzed by Bi <sub>5</sub> O <sub>7</sub> Br Nanostructures: Enhanced Performance by Oxygen Vacancies. Journal of the American Chemical Society, 2020, 142, 12430-12439.	13.7	260
111	Hydrogen bonding rather than cation bridging promotes graphene oxide attachment to lipid membranes in the presence of heavy metals. Environmental Science: Nano, 2020, 7, 2240-2251.	4.3	5
112	Pre-accumulation and in-situ destruction of diclofenac by a photo-regenerable activated carbon fiber supported titanate nanotubes composite material: Intermediates, DFT calculation, and ecotoxicity. Journal of Hazardous Materials, 2020, 400, 123225.	12.4	86
113	Cobalt/Peracetic Acid: Advanced Oxidation of Aromatic Organic Compounds by Acetylperoxyl Radicals. Environmental Science & Technology, 2020, 54, 5268-5278.	10.0	200
114	Single-atom silver induced amorphization of hollow tubular g-C <sub>3</sub> N <sub>4</sub> for enhanced visible light-driven photocatalytic degradation of naproxen. Science of the Total Environment, 2020, 742, 140642.	8.0	34
115	Surface engineering of LiNi <sub>0.8</sub> Mn <sub>0.1</sub> Co <sub>0.1</sub> O <sub>2</sub> towards boosting lithium storage: Bimetallic oxides versus monometallic oxides. Nano Energy, 2020, 77, 105034.	16.0	78
116	Piezo-activation of peroxymonosulfate for benzothiazole removal in water. Journal of Hazardous Materials, 2020, 393, 122448.	12.4	102
117	Metagenomic insights into the profile of antibiotic resistomes in a large drinking water reservoir. Environment International, 2020, 136, 105449.	10.0	65
118	Hollow-Structured Layered Double Hydroxide: Structure Evolution Induced by Gradient Composition. Inorganic Chemistry, 2020, 59, 1804-1809.	4.0	10
119	Radical attack and mineralization mechanisms on electrochemical oxidation of p-substituted phenols at boron-doped diamond anodes. Chemosphere, 2020, 248, 126033.	8.2	22
120	Porous Organic Polymer Triggered Advancement of Sustainable Magnetic Efficient Catalyst for Chemoselective Hydrogenation of Cinnamaldehyde. ChemCatChem, 2020, 12, 3687-3704.	3.7	24
121	Superior removal of inorganic and organic arsenic pollutants from water with MIL-88A(Fe) decorated on cotton fibers. Chemosphere, 2020, 254, 126829.	8.2	93
122	Synchronous degradation of aqueous benzotriazole and bromate reduction in catalytic ozonation: Effect of matrix factor, degradation mechanism and application strategy in water treatment. Science of the Total Environment, 2020, 727, 138696.	8.0	13
123	Sale-based estimation of pharmaceutical concentrations and associated environmental risk in the Japanese wastewater system. Environment International, 2020, 139, 105690.	10.0	35
124	Novel CuCo <sub>2</sub> O <sub>4</sub> Composite Spinel with a Meso-Macroporous Nanosheet Structure for Sulfate Radical Formation and Benzophenone-4 Degradation: Interface Reaction, Degradation Pathway, and DFT Calculation. ACS Applied Materials & Interfaces, 2020, 12, 20522-20535.	8.0	83
125	Recent Advances in Non-Precious Metal-Based Electrodes for Alkaline Water Electrolysis. ChemNanoMat, 2020, 6, 336-355.	2.8	92
126	Lithiophilic 3D Sn<sub>2</sub>@Carbon Fiber Cloth for Stable Li Metal Anode. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	4.9	5



#	ARTICLE	IF	CITATIONS
127	Porous Copper Foam Co-operation with Thiourea for Dendrite-free Lithium Metal Anode. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	4.9	2
128	Zn Doped NiMn-Layered Double Hydroxide for High Performance Ni-Zn Battery. Journal of the Electrochemical Society, 2020, 167, 160550.	2.9	4
129	Promoting electrochemical conversion of CO <sub>2</sub> to formate with rich oxygen vacancies in nanoporous tin oxides. Chinese Chemical Letters, 2019, 30, 2274-2278.	9.0	35
130	Hierarchical cobalt oxide@Nickel-vanadium layer double hydroxide core/shell nanowire arrays with enhanced areal specific capacity for nickel-zinc batteries. Journal of Power Sources, 2019, 436, 226867.	7.8	48
131	Aging amorphous/crystalline heterophase PdCu nanosheets for catalytic reactions. National Science Review, 2019, 6, 955-961.	9.5	75
132	Highly active WO <sub>3</sub> @anatase-SiO <sub>2</sub> aerogel for solar-light-driven phenanthrene degradation: Mechanism insight and toxicity assessment. Water Research, 2019, 162, 369-382.	11.3	225
133	Surface-Based Li <sup>+</sup> Complex Enables Uniform Lithium Deposition for Stable Lithium Metal Anodes. ACS Applied Energy Materials, 2019, 2, 4602-4608.	5.1	32
134	Dendrite-Free Lithium Deposition via a Superfilling Mechanism for High-Performance Li-Metal Batteries. Advanced Materials, 2019, 31, e1903248.	21.0	106
135	Role of sludge retention time in mitigation of nitrous oxide emission from a pilot-scale oxidation ditch. Bioresource Technology, 2019, 292, 121961.	9.6	22
136	Synergistic effect of hydrothermal co-carbonization of sewage sludge with fruit and agricultural wastes on hydrochar fuel quality and combustion behavior. Waste Management, 2019, 100, 171-181.	7.4	107
137	Research Progress of the Solid State Lithium-Sulfur Batteries. Frontiers in Energy Research, 2019, 7, .	2.3	39
138	Superaerophilic copper nanowires for efficient and switchable CO <sub>2</sub> electroreduction. Nanoscale Horizons, 2019, 4, 490-494.	8.0	39
139	The effects of graphene oxide on nitrification and N <sub>2</sub> O emission: Dose and exposure time dependent. Environmental Pollution, 2019, 252, 960-966.	7.5	18
140	Asymmetric Synthesis of 1,2-Epoxy-3-lactams through Tandem Darzens/Hemiaminalization Reaction. Organic Letters, 2019, 21, 4713-4716.	4.6	17
141	Preparation and electro responsive properties of Mg-doped BaTiO <sub>3</sub> with novel morphologies. Journal of Materials Science: Materials in Electronics, 2019, 30, 12107-12112.	2.2	5
142	Graphene modified anatase/titanate nanosheets with enhanced photocatalytic activity for efficient degradation of sulfamethazine under simulated solar light. Chemosphere, 2019, 233, 198-206.	8.2	60
143	Engineering Interfacial Aerophilicity of Nickel-Embedded Nitrogen-Doped CNTs for Electrochemical CO <sub>2</sub> Reduction. ACS Applied Energy Materials, 2019, 2, 3991-3998.	5.1	23
144	A nickel(II)-catalyzed asymmetric intramolecular Alder-ene reaction of 1,7-dienes. Chemical Communications, 2019, 55, 4479-4482.	4.1	16

#	ARTICLE	IF	CITATIONS
145	Vertical profile of soil/sediment pollution and microbial community change by e-waste recycling operation. <i>Science of the Total Environment</i> , 2019, 669, 1001-1010.	8.0	37
146	A general route <i>via</i> formamide condensation to prepare atomically dispersed metal–nitrogen–carbon electrocatalysts for energy technologies. <i>Energy and Environmental Science</i> , 2019, 12, 1317-1325.	30.8	290
147	Simultaneous Cr(VI) reduction and Cr(III) removal of bifunctional MOF/Titanate nanotube composites. <i>Environmental Pollution</i> , 2019, 249, 502-511.	7.5	97
148	Unveiling the Interfacial Effects for Enhanced Hydrogen Evolution Reaction on MoS <sub>2</sub> /WTe <sub>2</sub> Hybrid Structures. <i>Small</i> , 2019, 15, e1900078.	10.0	58
149	Boosting oxygen evolution of single-atomic ruthenium through electronic coupling with cobalt-iron layered double hydroxides. <i>Nature Communications</i> , 2019, 10, 1711.	12.8	446
150	An Entangled Cobalt–Nitrogen–Carbon Nanotube Array Electrode with Synergetic Confinement and Electrocatalysis of Polysulfides for Stable Li–S Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 2904-2912.	5.1	28
151	Surface Restraint Synthesis of an Organic–Inorganic Hybrid Layer for Dendrite-Free Lithium Metal Anode. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 8717-8724.	8.0	39
152	Efficient removal of dyes from dyeing wastewater by powder activated charcoal/titanate nanotube nanocomposites: adsorption and photoregeneration. <i>Environmental Science and Pollution Research</i> , 2019, 26, 10263-10273.	5.3	28
153	Endoscopic dacryocystorhinostomy to treat congenital nasolacrimal canal dysplasia: a retrospective analysis in 40 children. <i>BMC Ophthalmology</i> , 2019, 19, 244.	1.4	4
154	Influences of isolated fractions of natural organic matter on adsorption of Cu(II) by titanate nanotubes. <i>Science of the Total Environment</i> , 2019, 650, 1412-1418.	8.0	27
155	Visible-light-driven photocatalytic degradation of diclofenac by carbon quantum dots modified porous g-C <sub>3</sub> N <sub>4</sub> : Mechanisms, degradation pathway and DFT calculation. <i>Water Research</i> , 2019, 151, 8-19.	11.3	520
156	Selectivity regulation of CO <sub>2</sub> electroreduction through contact interface engineering on superwetting Cu nanoarray electrodes. <i>Nano Research</i> , 2019, 12, 345-349.	10.4	80
157	Phase interactions in Ni-Cu-Al <sub>2</sub> O <sub>3</sub> mixed oxide oxygen carriers for chemical looping applications. <i>Applied Energy</i> , 2019, 236, 635-647.	10.1	33
158	Janus electrode with simultaneous management on gas and liquid transport for boosting oxygen reduction reaction. <i>Nano Research</i> , 2019, 12, 177-182.	10.4	43
159	Nitrogen-doped tungsten carbide nanoarray as an efficient bifunctional electrocatalyst for water splitting in acid. <i>Nature Communications</i> , 2018, 9, 924.	12.8	571
160	Dominant role of ammonia-oxidizing bacteria in nitrification due to ammonia accumulation in sediments of Danjiangkou reservoir, China. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 3399-3410.	3.6	30
161	Revealing the Contribution of Individual Factors to Hydrogen Evolution Reaction Catalytic Activity. <i>Advanced Materials</i> , 2018, 30, e1706076.	21.0	86
162	High-Performance Ni–Fe Redox Catalysts for Selective CH <sub>4</sub> to Syngas Conversion via Chemical Looping. <i>ACS Catalysis</i> , 2018, 8, 1748-1756.	11.2	72

#	ARTICLE	IF	CITATIONS
163	Tuning Electronic Structure of NiFe Layered Double Hydroxides with Vanadium Doping toward High Efficient Electrocatalytic Water Oxidation. <i>Advanced Energy Materials</i> , 2018, 8, 1703341.	19.5	505
164	Biosynthesis of palladium nanoparticles using <i>Shewanella loihica</i> PV-4 for excellent catalytic reduction of chromium(VI). <i>Environmental Science: Nano</i> , 2018, 5, 730-739.	4.3	64
165	Surface Chemistry in Cobalt Phosphide-Stabilized Lithium-Sulfur Batteries. <i>Journal of the American Chemical Society</i> , 2018, 140, 1455-1459.	13.7	393
166	Analysis of CDK2 mutations in Chinese men with non-obstructive azoospermia who underwent testis biopsy. <i>Reproductive BioMedicine Online</i> , 2018, 36, 356-360.	2.4	5
167	Sea-Buckthorn-Like MnO <sub>2</sub> Decorated Titanate Nanotubes with Oxidation Property and Photocatalytic Activity for Enhanced Degradation of 17 $\beta$ -Estradiol under Solar Light. <i>ACS Applied Energy Materials</i> , 2018, 1, 2123-2133.	5.1	34
168	Stable Li metal anode with protected interface for high-performance Li metal batteries. <i>Energy Storage Materials</i> , 2018, 15, 249-256.	18.0	89
169	Facile synthesis of magnetic Fe <sub>3</sub> O <sub>4</sub> @BiOI@AgI for water decontamination with visible light irradiation: Different mechanisms for different organic pollutants degradation and bacterial disinfection. <i>Water Research</i> , 2018, 137, 120-129.	11.3	117
170	Photocatalysis of bisphenol A by an easy-settling titania/titanate composite: Effects of water chemistry factors, degradation pathway and theoretical calculation. <i>Environmental Pollution</i> , 2018, 232, 580-590.	7.5	116
171	Single-Crystalline Ultrathin Co <sub>3</sub> O <sub>4</sub> Nanosheets with Massive Vacancy Defects for Enhanced Electrocatalysis. <i>Advanced Energy Materials</i> , 2018, 8, 1701694.	19.5	451
172	Stable interstitial layer to alleviate fatigue fracture of high nickel cathode for lithium-ion batteries. <i>Journal of Power Sources</i> , 2018, 376, 200-206.	7.8	32
173	Co/CoP embedded in a hairy nitrogen-doped carbon polyhedron as an advanced tri-functional electrocatalyst. <i>Materials Horizons</i> , 2018, 5, 108-115.	12.2	184
174	Polyvinylchloride-derived N, S co-doped carbon as an efficient sulfur host for high-performance Li-S batteries. <i>RSC Advances</i> , 2018, 8, 37811-37816.	3.6	10
175	Newly designed primer pair revealed dominant and diverse comammox amoA gene in full-scale wastewater treatment plants. <i>Bioresource Technology</i> , 2018, 270, 580-587.	9.6	107
176	SnO <sub>2</sub> quantum dots @ 3D sulfur-doped reduced graphene oxides as active and durable anode for lithium ion batteries. <i>Electrochimica Acta</i> , 2018, 291, 24-30.	5.2	37
177	Effect of carbon coating on the crystal orientation and electrochemical performance of nanocrystalline LiFePO <sub>4</sub> . <i>Solid State Ionics</i> , 2018, 327, 11-17.	2.7	20
178	Copper-Catalyzed Asymmetric Addition of Tertiary Carbon Nucleophiles to 2-H-Azirines: Access to Chiral Aziridines with Vicinal Tetrasubstituted Stereocenters. <i>Organic Letters</i> , 2018, 20, 5601-5605.	4.6	32
179	Structure and Electrocatalytic Reactivity of Cobalt Phosphosulfide Nanomaterials. <i>Topics in Catalysis</i> , 2018, 61, 958-964.	2.8	18
180	Activating basal plane in NiFe layered double hydroxide by Mn <sup>2+</sup> doping for efficient and durable oxygen evolution reaction. <i>Nanoscale Horizons</i> , 2018, 3, 532-537.	8.0	144

#	ARTICLE	IF	CITATIONS
181	Facile synthesis of ZrO <sub>2</sub> coated BiOClO <sub>5</sub> for photocatalytic oxidation-adsorption of As(III) under visible light irradiation. <i>Chemosphere</i> , 2018, 211, 934-942.	8.2	16
182	Degradation of petroleum hydrocarbons in seawater by simulated surface-level atmospheric ozone: Reaction kinetics and effect of oil dispersant. <i>Marine Pollution Bulletin</i> , 2018, 135, 427-440.	5.0	49
183	Dynamic kinetic asymmetric transformations of $\beta$ -halo- $\alpha$ -keto esters by NiO <sub>2</sub> /Ni-catalyzed carbonyl-ene reaction. <i>Chemical Communications</i> , 2018, 54, 8901-8904.	4.1	15
184	Aligned N-doped carbon nanotube bundles with interconnected hierarchical structure as an efficient bi-functional oxygen electrocatalyst. <i>RSC Advances</i> , 2018, 8, 26004-26010.	3.6	11
185	Introducing Fe <sup>2+</sup> into Nickel-Iron Layered Double Hydroxide: Local Structure Modulated Water Oxidation Activity. <i>Angewandte Chemie</i> , 2018, 130, 9536-9540.	2.0	86
186	Introducing Fe <sup>2+</sup> into Nickel-Iron Layered Double Hydroxide: Local Structure Modulated Water Oxidation Activity. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9392-9396.	13.8	284
187	Phosphorus oxoanion-intercalated layered double hydroxides for high-performance oxygen evolution. <i>Nano Research</i> , 2017, 10, 1732-1739.	10.4	139
188	Synthetic Architecture of MgO/C Nanocomposite from Hierarchical-Structured Coordination Polymer toward Enhanced CO <sub>2</sub> Capture. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 9592-9602.	8.0	57
189	Strong Metal-Phosphide Interactions in Core-Shell Geometry for Enhanced Electrocatalysis. <i>Nano Letters</i> , 2017, 17, 2057-2063.	9.1	145
190	A pomegranate-structured sulfur cathode material with triple confinement of lithium polysulfides for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11788-11793.	10.3	23
191	Functional metal-organic framework boosting lithium metal anode performance via chemical interactions. <i>Chemical Science</i> , 2017, 8, 4285-4291.	7.4	164
192	Materials Chemistry of Iron Phosphosulfide Nanoparticles: Synthesis, Solid State Chemistry, Surface Structure, and Electrocatalysis for the Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2017, 7, 4026-4032.	11.2	89
193	Mechanistic Insights into Surface Chemical Interactions between Lithium Polysulfides and Transition Metal Oxides. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14222-14227.	3.1	86
194	Ultrathin dendrimer-graphene oxide composite film for stable cycling lithium-sulfur batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3578-3583.	7.1	90
195	Self-Cleaning Catalyst Electrodes for Stabilized CO <sub>2</sub> Reduction to Hydrocarbons. <i>Angewandte Chemie</i> , 2017, 129, 13315-13319.	2.0	38
196	Self-Cleaning Catalyst Electrodes for Stabilized CO <sub>2</sub> Reduction to Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13135-13139.	13.8	126
197	A novel homozygous mutation in the FSHR gene is causative for primary ovarian insufficiency. <i>Fertility and Sterility</i> , 2017, 108, 1050-1055.e2.	1.0	32
198	High-performance Li-S battery cathode with catalyst-like carbon nanotube-MoP promoting polysulfide redox. <i>Nano Research</i> , 2017, 10, 3698-3705.	10.4	116

#	ARTICLE	IF	CITATIONS
199	Phase interactions in Mg-Ni-Al-O oxygen carriers for chemical looping applications. <i>Chemical Engineering Journal</i> , 2017, 326, 470-476.	12.7	31
200	A Meta-Analysis for Association of Maternal Smoking with Childhood Refractive Error and Amblyopia. <i>Journal of Ophthalmology</i> , 2016, 2016, 1-7.	1.3	8
201	Synthesis, Application, and Carbonation Behavior of $\text{Ca}_{2}\text{Fe}_{2}\text{O}_{5}$ for Chemical Looping $\text{H}_{2}$ Production. <i>Energy &amp; Fuels</i> , 2016, 30, 6220-6232.	5.1	55
202	Ultrafine Alloy Nanoparticles Converted from 2D Intercalated Coordination Polymers for Catalytic Application. <i>Advanced Functional Materials</i> , 2016, 26, 5658-5668.	14.9	41
203	In situ studies of materials for high temperature $\text{CO}_{2}$ capture and storage. <i>Faraday Discussions</i> , 2016, 192, 217-240.	3.2	12
204	High Performance Metal Oxide-Graphene Hybrid Nanomaterials Synthesized via Opposite-Polarity Electrodeposition. <i>Advanced Materials</i> , 2016, 28, 10298-10303.	21.0	24
205	A $\text{MnO}_{2}$ /Graphene Oxide/Multi-Walled Carbon Nanotubes-Sulfur Composite with Dual-Efficient Polysulfide Adsorption for Improving Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 28566-28573.	8.0	77
206	Ferrocene-Promoted Long-Cycle Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , 2016, 128, 15038-15042.	2.0	11
207	Ferrocene-Promoted Long-Cycle Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14818-14822.	13.8	46
208	Simultaneous removal of Cr(VI) and 4-chlorophenol through photocatalysis by a novel anatase/titanate nanosheet composite: Synergetic promotion effect and autosynchronous doping. <i>Journal of Hazardous Materials</i> , 2016, 317, 385-393.	12.4	92
209	Electrochemical $\text{CO}_{2}$ Reduction to Hydrocarbons on a Heterogeneous Molecular Cu Catalyst in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2016, 138, 8076-8079.	13.7	450
210	Improving hydrogen yields, and hydrogen:steam ratio in the chemical looping production of hydrogen using $\text{Ca}_{2}\text{Fe}_{2}\text{O}_{5}$ . <i>Chemical Engineering Journal</i> , 2016, 296, 406-411.	12.7	61
211	Large scale computational screening and experimental discovery of novel materials for high temperature $\text{CO}_{2}$ capture. <i>Energy and Environmental Science</i> , 2016, 9, 1346-1360.	30.8	61
212	Influence of surface capping on oxygen reduction catalysis: A case study of 1.7 nm Pt nanoparticles. <i>Surface Science</i> , 2016, 648, 120-125.	1.9	22
213	Structural evolution in synthetic, Ca-based sorbents for carbon capture. <i>Chemical Engineering Science</i> , 2016, 139, 15-26.	3.8	24
214	A highly active and stable hydrogen evolution catalyst based on pyrite-structured cobalt phosphosulfide. <i>Nature Communications</i> , 2016, 7, 10771.	12.8	418
215	One-Step Synthesis of $\text{MoS}_{2}$ /WS <sub>2</sub> Layered Heterostructures and Catalytic Activity of Defective Transition Metal Dichalcogenide Films. <i>ACS Nano</i> , 2016, 10, 2004-2009.	14.6	164
216	Development and performance of iron based oxygen carriers containing calcium ferrites for chemical looping combustion and production of hydrogen. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 4073-4084.	7.1	60

#	ARTICLE	IF	CITATIONS
217	Lithium-Ion Batteries: Countering Voltage Decay and Capacity Fading of Lithium-Rich Cathode Material at 60 °C by Hybrid Surface Protection Layers (Adv. Energy Mater. 13/2015). Advanced Energy Materials, 2015, 5, .	19.5	2
218	Metal (Ni, Co)-Metal Oxides/Graphene Nanocomposites as Multifunctional Electrocatalysts. Advanced Functional Materials, 2015, 25, 5799-5808.	14.9	490
219	Inhibiting the interaction between FeO and Al <sub>2</sub> O <sub>3</sub> during chemical looping production of hydrogen. RSC Advances, 2015, 5, 1759-1771.	3.6	72
220	Selective and irreversible adsorption of mercury( <sup>ii</sup> ) from aqueous solution by a flower-like titanate nanomaterial. Journal of Materials Chemistry A, 2015, 3, 17676-17684.	10.3	71
221	Nickel-Rich Layered Lithium Transition-Metal Oxide for High-Energy Lithium-Ion Batteries. Angewandte Chemie - International Edition, 2015, 54, 4440-4457.	13.8	1,512
222	Countering Voltage Decay and Capacity Fading of Lithium-Rich Cathode Material at 60 °C by Hybrid Surface Protection Layers. Advanced Energy Materials, 2015, 5, 1500274.	19.5	172
223	Metal/Oxide Interface Nanostructures Generated by Surface Segregation for Electrocatalysis. Nano Letters, 2015, 15, 7704-7710.	9.1	233
224	Dual-Enhanced Photocatalytic Activity of Fe-Deposited Titanate Nanotubes Used for Simultaneous Removal of As(III) and As(V). ACS Applied Materials & Interfaces, 2015, 7, 19726-19735.	8.0	60
225	Ternary Hybrid Material for High-Performance Lithium-Sulfur Battery. Journal of the American Chemical Society, 2015, 137, 12946-12953.	13.7	253
226	Arsenate adsorption onto Fe-TNTs prepared by a novel water-ethanol hydrothermal method: Mechanism and synergistic effect. Journal of Colloid and Interface Science, 2015, 440, 253-262.	9.4	42
227	The performance of Fe <sub>2</sub> O <sub>3</sub> -CaO Oxygen Carriers and the Interaction of Iron Oxides with CaO during Chemical Looping Combustion and H <sub>2</sub> production. Energy Procedia, 2014, 63, 87-97.	1.8	44
228	Nanostructured transition metal sulfides for lithium ion batteries: Progress and challenges. Nano Today, 2014, 9, 604-630.	11.9	545
229	Kinetics of the reduction of wüstite by hydrogen and carbon monoxide for the chemical looping production of hydrogen. Chemical Engineering Science, 2014, 120, 149-166.	3.8	63
230	Synergy of photocatalysis and adsorption for simultaneous removal of Cr(VI) and Cr(III) with TiO <sub>2</sub> and titanate nanotubes. Water Research, 2014, 53, 12-25.	11.3	252
231	Flexural fatigue damage model of ultra-high toughness cementitious composites on base of continuum damage mechanics. International Journal of Damage Mechanics, 2014, 23, 949-963.	4.2	6
232	In a Nongenomic Action, Steroid Hormone 20-Hydroxyecdysone Induces Phosphorylation of Cyclin-Dependent Kinase 10 to Promote Gene Transcription. Endocrinology, 2014, 155, 1738-1750.	2.8	32
233	Adsorption mechanisms of thallium(I) and thallium(III) by titanate nanotubes: Ion-exchange and co-precipitation. Journal of Colloid and Interface Science, 2014, 423, 67-75.	9.4	94
234	Electrospun polyvinyl alcohol/waterborne polyurethane composite nanofibers involving cellulose nanofibers. Journal of Applied Polymer Science, 2014, 131, .	2.6	15



#	ARTICLE	IF	CITATIONS
235	Carbon nanotube-loaded mesoporous $\text{LiFe}_{0.6}\text{Mn}_{0.4}\text{PO}_4/\text{C}$ microspheres as high performance cathodes for lithium-ion batteries. <i>Journal of Power Sources</i> , 2014, 267, 459-468.	7.8	50
236	The hormone-dependent function of Hsp90 in the crosstalk between 20-hydroxyecdysone and juvenile hormone signaling pathways in insects is determined by differential phosphorylation and protein interactions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 5184-5192.	2.4	35
237	Fabrication of high tap density $\text{LiFe}_{0.6}\text{Mn}_{0.4}\text{PO}_4/\text{C}$ microspheres by a double carbon coating <sup>â€</sup> spray drying method for high rate lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2411-2417.	10.3	76
238	A high performance oxygen storage material for chemical looping processes with $\text{CO}_2$ capture. <i>Energy and Environmental Science</i> , 2013, 6, 288-298.	30.8	112
239	Reversible $\text{CO}_2$ Absorption by the 6H Perovskite $\text{Ba}_4\text{Sb}_2\text{O}_9$ . <i>Chemistry of Materials</i> , 2013, 25, 4881-4891.	6.7	17
240	Improvement of the high-temperature, high-voltage cycling performance of $\text{LiNi}_{0.5}\text{Co}_{0.2}\text{Mn}_{0.3}\text{O}_2$ cathode with $\text{TiO}_2$ coating. <i>Journal of Alloys and Compounds</i> , 2012, 543, 181-188.	5.5	140
241	The Effect of Addition of $\text{ZrO}_2$ to $\text{Fe}_2\text{O}_3$ for Hydrogen Production by Chemical Looping. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 16597-16609.	3.7	70
242	An investigation of the kinetics of $\text{CO}_2$ uptake by a synthetic calcium based sorbent. <i>Chemical Engineering Science</i> , 2012, 69, 644-658.	3.8	81
243	A modified $\text{Al}_2\text{O}_3$ coating process to enhance the electrochemical performance of $\text{Li}(\text{Ni}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3})\text{O}_2$ and its comparison with traditional $\text{Al}_2\text{O}_3$ coating process. <i>Journal of Power Sources</i> , 2010, 195, 8267-8274.	7.8	79