Bin Yang

List of Publications by Citations

160 papers	5,382 citations	40 h-index	68 g-index
168 ext. papers	7,047 ext. citations	9.5 avg, IF	6.11 L-index

#	Paper	IF	Citations
160	Efficient alkaline hydrogen evolution on atomically dispersed Ni□Nx Species anchored porous carbon with embedded Ni nanoparticles by accelerating water dissociation kinetics. *Energy and Environmental Science*, **2019**, 12, 149-156	35.4	299
159	Atomically dispersed nickel-nitrogen-sulfur species anchored on porous carbon nanosheets for efficient water oxidation. *Nature Communications*, **2019**, 10, 1392	17.4	280
158	Fish consumption and CHD mortality: an updated meta-analysis of seventeen cohort studies. *Public Health Nutrition*, **2012**, 15, 725-37	3.3	206
157	Polymorphic CoSe2 with mixed orthorhombic and cubic phases for highly efficient hydrogen evolution reaction. *ACS Applied Materials & Interfaces*, **2015**, 7, 1772-9	9.5	205
156	Amorphous Cobalt□Iron Hydroxide Nanosheet Electrocatalyst for Efficient Electrochemical and Photo-Electrochemical Oxygen Evolution. *Advanced Functional Materials*, **2017**, 27, 1603904	15.6	204
155	NiCoMo Hydroxide Nanosheet Arrays Synthesized via Chloride Corrosion for Overall Water Splitting. *ACS Energy Letters*, **2019**, 4, 952-959	20.1	152
154	Fe?N4 Sites Embedded into Carbon Nanofiber Integrated with Electrochemically Exfoliated Graphene for Oxygen Evolution in Acidic Medium. *Advanced Energy Materials*, **2018**, 8, 1801912	21.8	149
153	A p-Si/NiCoSex core/shell nanopillar array photocathode for enhanced photoelectrochemical hydrogen production. *Energy and Environmental Science*, **2016**, 9, 3113-3119	35.4	142
152	Dual Enzymatic Reaction-Assisted Gemcitabine Delivery Systems for Programmed Pancreatic Cancer Therapy. *ACS Nano*, **2017**, 11, 1281-1291	16.7	129
151	A strongly coupled 3D ternary Fe2O3@Ni2P/Ni(PO3)2 hybrid for enhanced electrocatalytic oxygen evolution at ultra-high current densities. *Journal of Materials Chemistry A*, **2019**, 7, 965-971	13	123
150	Atomically Defined Undercoordinated Active Sites for Highly Efficient CO2 Electroreduction. *Advanced Functional Materials*, **2020**, 30, 1907658	15.6	115
149	Carbon-Rich Nonprecious Metal Single Atom Electrocatalysts for CO2 Reduction and Hydrogen Evolution. *Small Methods*, **2019**, 3, 1900210	12.8	105
148	Synthesis of supported vertical NiS2 nanosheets for hydrogen evolution reaction in acidic and alkaline solution. *RSC Advances*, **2015**, 5, 32976-32982	3.7	89
147	Inhibition of autophagy promotes metastasis and glycolysis by inducing ROS in gastric cancer cells. *Oncotarget*, **2015**, 6, 39839-54	3.3	86
146	Green tea and black tea consumption and prostate cancer risk: an exploratory meta-analysis of observational studies. *Nutrition and Cancer*, **2011**, 63, 663-72	2.8	82
145	Gas Diffusion Strategy for Inserting Atomic Iron Sites into Graphitized Carbon Supports for Unusually High-Efficient CO Electroreduction and High-Performance Zn-CO Batteries. *Advanced Materials*, **2020**, 32, e2002430	24	80
144	Three-Dimensional Porous NiO Nanosheets Vertically Grown on Graphite Disks for Enhanced Performance Non-enzymatic Glucose Sensor. *Electrochimica Acta*, **2015**, 174, 745-752	6.7	76

143	Dynamic Activation of Adsorbed Intermediates via Axial Traction for the Promoted Electrochemical CO Reduction. *Angewandte Chemie - International Edition*, **2021**, 60, 4192-4198	16.4	75
142	Tuning d-band center of tungsten carbide via Mo doping for efficient hydrogen evolution and ZnH2O cell over a wide pH range. *Nano Energy*, **2020**, 74, 104850	17.1	69
141	Electrochemical activation of sulfate by BDD anode in basic medium for efficient removal of organic pollutants. *Chemosphere*, **2018**, 210, 516-523	8.4	68
140	Ni0.85Se as an efficient non-noble bifunctional electrocatalyst for full water splitting. *International Journal of Hydrogen Energy*, **2016**, 41, 10688-10694	6.7	66
139	An ultrathin cobalt-based zeolitic imidazolate framework nanosheet array with a strong synergistic effect towards the efficient oxygen evolution reaction. *Journal of Materials Chemistry A*, **2018**, 6, 18877-18883	13	65
138	Boosting Electroreduction Kinetics of Nitrogen to Ammonia via Tuning Electron Distribution of Single-Atomic Iron Sites. *Angewandte Chemie - International Edition*, **2021**, 60, 9078-9085	16.4	60
137	Designing 3d dual transition metal electrocatalysts for oxygen evolution reaction in alkaline electrolyte: Beyond oxides. *Nano Energy*, **2020**, 77, 105162	17.1	58
136	Proton Capture Strategy for Enhancing Electrochemical CO Reduction on Atomically Dispersed Metal-Nitrogen Active Sites*. *Angewandte Chemie - International Edition*, **2021**, 60, 11959-11965	16.4	57
135	Emerging nanostructured carbon-based non-precious metal electrocatalysts for selective electrochemical CO2 reduction to CO. *Journal of Materials Chemistry A*, **2019**, 7, 25191-25202	13	57
134	Highly Selective Electrochemical Conversion of CO2 to HCOOH on Dendritic Indium Foams. *ChemElectroChem*, **2018**, 5, 253-259	4.3	57
133	A Superaerophobic Bimetallic Selenides Heterostructure for Efficient Industrial-Level Oxygen Evolution at Ultra-High Current Densities. *Nano-Micro Letters*, **2020**, 12, 104	19.5	56
132	Highly active metallic nickel sites confined in N-doped carbon nanotubes toward significantly enhanced activity of CO2 electroreduction. *Carbon*, **2019**, 150, 52-59	10.4	54
131	Synergistic effects of liquid and gas phase discharges using pulsed high voltage for dyes degradation in the presence of oxygen. *Chemosphere*, **2005**, 60, 405-11	8.4	54
130	Strongly Coupled 3D N-Doped MoO/NiS Hybrid for High Current Density Hydrogen Evolution Electrocatalysis and Biomass Upgrading. *ACS Applied Materials & Interfaces*, **2019**, 11, 27743-27750	9.5	52
129	Nitrogen Vacancy Structure Driven Photoeletrocatalytic Degradation of 4-Chlorophenol Using Porous Graphitic Carbon Nitride Nanosheets. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 6497-6506	8.3	49
128	Nanostructured Carbon Based Heterogeneous Electrocatalysts for Oxygen Evolution Reaction in Alkaline Media. *ChemCatChem*, **2019**, 11, 5855-5874	5.2	49
127	Boosting alkaline hydrogen evolution and ZnH2O cell induced by interfacial electron transfer. *Nano Energy*, **2020**, 71, 104621	17.1	48
126	Degradation of pharmaceutical contaminant ibuprofen in aqueous solution by cylindrical wetted-wall corona discharge. *Chemical Engineering Journal*, **2015**, 267, 282-288	14.7	46

125	Direct electron transfer from electrode to electrochemically active bacteria in a bioelectrochemical dechlorination system. *Bioresource Technology*, **2013**, 148, 9-14	11	45
124	A non-enzymatic hydrogen peroxide sensor based on vertical NiO nanosheets supported on the graphite sheet. *Journal of Electroanalytical Chemistry*, **2015**, 749, 62-67	4.1	44
123	Nitrogen-Doped Carbon-Encased Bimetallic Selenide for High-Performance Water Electrolysis. *Nano-Micro Letters*, **2019**, 11, 67	19.5	44
122	In Situ Growth of Nitrogen-Doped Carbon-Coated □Fe2O3 Nanoparticles on Carbon Fabric for Electrochemical N2 Fixation. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 8853-8859	8.3	41
121	Elucidation of the Synergistic Effect of Dopants and Vacancies on Promoted Selectivity for CO Electroreduction to Formate. *Advanced Materials*, **2021**, 33, e2005113	24	41
120	ZIF-Derived Carbon Nanoarchitecture as a Bifunctional pH-Universal Electrocatalyst for Energy-Efficient Hydrogen Evolution. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 10044-10051	8.3	40
119	Boron and nitrogen co-doped porous carbon nanofibers as metal-free electrocatalysts for highly efficient ammonia electrosynthesis. *Journal of Materials Chemistry A*, **2019**, 7, 26272-26278	13	40
118	Scalable Production of Few-Layer Niobium Disulfide Nanosheets via Electrochemical Exfoliation for Energy-Efficient Hydrogen Evolution Reaction. *ACS Applied Materials & Interfaces*, **2019**, 11, 13205-13213	8.5	38
117	Highly Boosted Reaction Kinetics in Carbon Dioxide Electroreduction by Surface-Introduced Electronegative Dopants. *Advanced Functional Materials*, **2021**, 31, 2008146	15.6	38
116	Efficient Electrocatalytic Oxygen Evolution at Extremely High Current Density over 3D Ultrasmall Zero-Valent Iron-Coupled Nickel Sulfide Nanosheets. *ChemElectroChem*, **2018**, 5, 3866-3872	4.3	37
115	Electro-catalytic oxidation of artificial human urine by using BDD and IrO2 electrodes. *Journal of Electroanalytical Chemistry*, **2015**, 738, 14-19	4.1	36
114	One-dimensional structured IrO2 nanorods modified membrane for electrochemical anti-fouling in filtration of oily wastewater. *Separation and Purification Technology*, **2015**, 156, 931-941	8.3	36
113	Systematic review and meta-analysis of soy products consumption in patients with type 2 diabetes mellitus. *Asia Pacific Journal of Clinical Nutrition*, **2011**, 20, 593-602	1	36
112	Effects of solids retention time on the performance and microbial community structures in membrane bioreactors treating synthetic oil refinery wastewater. *Chemical Engineering Journal*, **2018**, 344, 462-468	14.7	35
111	Ganoderma lucidum polysaccharides exert anti-hyperglycemic effect on streptozotocin-induced diabetic rats through affecting □cells. *Combinatorial Chemistry and High Throughput Screening*, **2012**, 15, 542-50	1.3	35
110	A laminar-flow based microfluidic microbial three-electrode cell for biosensing. *Electrochimica Acta*, **2016**, 199, 45-50	6.7	35
109	Ultrathin tin monosulfide nanosheets with the exposed (001) plane for efficient electrocatalytic conversion of CO into formate. *Chemical Science*, **2020**, 11, 3952-3958	9.4	34
108	Porous metal-porphyrin triazine-based frameworks for efficient CO2 electroreduction. *Applied Catalysis B: Environmental*, **2020**, 270, 118908	21.8	34

107	Deep Desulfurization of Fuels by Extraction with 4-Dimethylaminopyridinium-Based Ionic Liquids. *Energy & Fuels*, **2013**, 27, 4617-4623	4.1	34
106	Synergistic Effect of Atomically Dispersed Ni-Zn Pair Sites for Enhanced CO Electroreduction. *Advanced Materials*, **2021**, 33, e2102212	24	33
105	In situ identification of the electrocatalytic water oxidation behavior of a nickel-based metal-organic framework nanoarray. *Materials Horizons*, **2021**, 8, 556-564	14.4	31
104	N-doped carbon xerogels as adsorbents for the removal of heavy metal ions from aqueous solution. *RSC Advances*, **2015**, 5, 7182-7191	3.7	30
103	A Universal Principle to Accurately Synthesize Atomically Dispersed Metal-N Sites for CO Electroreduction. *Nano-Micro Letters*, **2020**, 12, 108	19.5	30
102	Polypyrrole/sargassum activated carbon modified stainless-steel sponge as high-performance and low-cost bioanode for microbial fuel cells. *Journal of Power Sources*, **2018**, 384, 86-92	8.9	30
101	Nanocarbon-Enhanced 2D Photoelectrodes: A New Paradigm in Photoelectrochemical Water Splitting. *Nano-Micro Letters*, **2020**, 13, 24	19.5	28
100	Nanoconfined Tin Oxide within N-Doped Nanocarbon Supported on Electrochemically Exfoliated Graphene for Efficient Electroreduction of CO to Formate and C1 Products. *ACS Applied Materials & Interfaces*, **2020**, 12, 16178-16185	9.5	27
99	Bi/Bi2O3 nanoparticles supported on N-doped reduced graphene oxide for highly efficient CO2 electroreduction to formate. *Chinese Chemical Letters*, **2020**, 31, 1415-1421	8.1	25
98	Recent progress and perspective of electrochemical CO2 reduction towards C2-C5 products over non-precious metal heterogeneous electrocatalysts. *Nano Research*, **2021**, 14, 3188-3207	10	25
97	The role of exendin-4-conjugated superparamagnetic iron oxide nanoparticles in beta-cell-targeted MRI. *Biomaterials*, **2013**, 34, 5843-52	15.6	24
96	Electrochemically assisted sulfate reduction autotrophic denitrification nitrification integrated (e-SANI) process for high-strength ammonium industrial wastewater treatment. *Chemical Engineering Journal*, **2020**, 381, 122707	14.7	24
95	Water Splitting-Biosynthetic Hybrid System for CO Conversion using Nickel Nanoparticles Embedded in N-Doped Carbon Nanotubes. *ChemSusChem*, **2018**, 11, 2382-2387	8.3	24
94	Submerged membrane bioreactor in treatment of simulated restaurant wastewater. *Separation and Purification Technology*, **2012**, 88, 184-190	8.3	23
93	High-Performance Metal-Free Nanosheets Array Electrocatalyst for Oxygen Evolution Reaction in Acid. *Advanced Functional Materials*, **2020**, 30, 2003000	15.6	22
92	Exfoliated metallic niobium disulfate nanosheets for enhanced electrochemical ammonia synthesis and Zn-N2 battery. *Applied Catalysis B: Environmental*, **2020**, 270, 118892	21.8	21
91	Bacteria-templated fabrication of a charge heterogeneous polymeric interface for highly specific bacterial recognition. *Chemical Communications*, **2017**, 53, 2319-2322	5.8	20
90	Treatment of Restaurant Wastewater by Pilot-Scale Electrocoagulation-Electroflotation: Optimization of Operating Conditions. *Journal of Environmental Engineering, ASCE*, **2013**, 139, 1004-1016	2	20

89	An exfoliated iron phosphorus trisulfide nanosheet with rich sulfur vacancy for efficient dinitrogen fixation and Zn-N2 battery. *Nano Energy*, **2021**, 81, 105613	17.1	20
88	Hierarchical Cross-Linked Carbon Aerogels with Transition Metal-Nitrogen Sites for Highly Efficient Industrial-Level CO2 Electroreduction. *Advanced Functional Materials*, **2021**, 31, 2104377	15.6	20
87	High-index faceted binary-metal selenide nanosheet arrays as efficient 3D electrodes for alkaline hydrogen evolution. *Nanoscale*, **2019**, 11, 17571-17578	7.7	19
86	Zeolitic Imidazolate Framework-Derived Core-Shell-Structured CoS2/CoS2-N-C Supported on Electrochemically Exfoliated Graphene Foil for Efficient Oxygen Evolution. *Batteries and Supercaps*, **2019**, 2, 348-354	5.6	19
85	ON/OFF states of a microbial fuel cell controlled by an optical switching system. *RSC Advances*, **2014**, 4, 27277-27280	3.7	19
84	Atomically Dispersed Zinc(I) Active Sites to Accelerate Nitrogen Reduction Kinetics for Ammonia Electrosynthesis. *Advanced Materials*, **2021**, e2103548	24	19
83	Fast expansion of graphite into superior three-dimensional anode for microbial fuel cells. *Journal of Power Sources*, **2019**, 412, 86-92	8.9	19
82	Electrochemical exfoliation of ultrathin ternary molybdenum sulfoselenide nanosheets to boost the energy-efficient hydrogen evolution reaction. *Nanoscale*, **2019**, 11, 16200-16207	7.7	18
81	Embedding Co2P Nanoparticles in N-Doped Carbon Nanotubes Grown on Porous Carbon Polyhedra for High-Performance Lithium-Ion Batteries. *Industrial & Engineering Chemistry Research*, **2018**, 57, 13019-13025	3.9	18
80	Pretreated multiwalled carbon nanotube adsorbents with amine-grafting for removal of carbon dioxide in confined spaces. *RSC Advances*, **2014**, 4, 56224-56234	3.7	17
79	Electrochemical treatment of artificial humidity condensate by large-scale boron doped diamond electrode. *Separation and Purification Technology*, **2014**, 138, 13-20	8.3	17
78	Pancreatic cancer-derived exosomes suppress the production of GIP and GLP-1 from STC-1 cells in vitro by down-regulating the PCSK1/3. *Cancer Letters*, **2018**, 431, 190-200	9.9	17
77	Strongly coupling of amorphous/crystalline reduced FeOOH/Ni(OH) heterostructure for extremely efficient water oxidation at ultra-high current density. *Journal of Colloid and Interface Science*, **2020**, 579, 340-346	9.3	16
76	Highly Effective Electrochemical Exfoliation of Ultrathin Tantalum Disulfide Nanosheets for Energy-Efficient Hydrogen Evolution Electrocatalysis. *ACS Applied Materials & Interfaces*, **2020**, 12, 24675-24682	9.5	15
75	Selective Adsorption of Naphthalene in Aqueous Solution on Mesoporous Carbon Functionalized by Task-specific Ionic Liquid. *Industrial & Engineering Chemistry Research*, **2015**, 54, 2329-2338	3.9	15
74	Kinetics of the Iron(II)- and Manganese(II)-Catalyzed Oxidation of S(IV) in Seawater with Acetic Buffer: A Study of Seawater Desulfurization Process. *Industrial & Engineering Chemistry Research*, **2013**, 52, 4740-4746	3.9	15
73	Noble metal-free two dimensional carbon-based electrocatalysts for water splitting. *BMC Materials*, **2019**, 1,	6.7	15
72	CuS/RGO hybrid by one-pot hydrothermal method for efficient electrochemical sensing of hydrogen peroxide. *Chinese Chemical Letters*, **2017**, 28, 1306-1311	8.1	14

71	Ionic liquid-mediated electrochemical CO2 reduction in a microbial electrolysis cell. *Electrochemistry Communications*, **2013**, 35, 91-93	5.1	14
70	Denervation stage differentially influences resistance to neuromuscular blockers in rat gastrocnemius. *Journal of Surgical Research*, **2013**, 180, 266-73	2.5	14
69	Pentachlorophenol Sorption in the Cetyltrimethylammonium Bromide/Bentonite One-Step Process in Single and Multiple Solute Systems. *Journal of Chemical & Engineering Data*, **2013**, 58, 2610-2615	2.8	13
68	Cyanidin-3-O-glucoside enhanced the function of syngeneic mouse islets transplanted under the kidney capsule or into the portal vein. *Transplantation*, **2015**, 99, 508-14	1.8	12
67	Preferential adsorption of pentachlorophenol from chlorophenols-containing wastewater using N-doped ordered mesoporous carbon. *Environmental Science and Pollution Research*, **2016**, 23, 1482-91	5.1	12
66	Protective effect of cyanidin-3-O-glucoside on neonatal porcine islets. *Journal of Endocrinology*, **2017**, 235, 237-249	4.7	12
65	Hydrogen-Mediated Electron Transfer in Hybrid Microbial–Inorganic Systems and Application in Energy and the Environment. *Energy Technology*, **2019**, 7, 1800987	3.5	12
64	Efficient removal of pentachlorophenol from wastewater by novel hydrophobically modified thermo-sensitive hydrogels. *Journal of Industrial and Engineering Chemistry*, **2015**, 25, 67-72	6.3	11
63	Dynamic Activation of Adsorbed Intermediates via Axial Traction for the Promoted Electrochemical CO2 Reduction. *Angewandte Chemie*, **2021**, 133, 4238-4244	3.6	10
62	Efficient mineralization of sulfanilamide over oxygen vacancy-rich NiFe-LDH nanosheets array during electro-fenton process. *Chemosphere*, **2021**, 268, 129272	8.4	10
61	Local Spin-state Tuning of Iron Single-Atom Electrocatalyst by S-coordinated Doping for Kinetics-boosted Ammonia Synthesis.. *Advanced Materials*, **2022**, e2202240	24	10
60	Bcl-2-functionalized ultrasmall superparamagnetic iron oxide nanoparticles coated with amphiphilic polymer enhance the labeling efficiency of islets for detection by magnetic resonance imaging. *International Journal of Nanomedicine*, **2013**, 8, 3977-90	7.3	9
59	Nitrogen-doped carbon nanotube-encapsulated nickel nanoparticles assembled on graphene for efficient CO2 electroreduction. *Chinese Chemical Letters*, **2020**, 31, 1438-1442	8.1	9
58	Mn/Ti-doped carbon xerogel for efficient catalysis of microcystin-LR degradation in the water surface discharge plasma reactor. *Environmental Science and Pollution Research*, **2015**, 22, 17202-8	5.1	8
57	Boosting Electroreduction Kinetics of Nitrogen to Ammonia via Tuning Electron Distribution of Single-Atomic Iron Sites. *Angewandte Chemie*, **2021**, 133, 9160-9167	3.6	8
56	Proton Capture Strategy for Enhancing Electrochemical CO2 Reduction on Atomically Dispersed Metal–Nitrogen Active Sites**. *Angewandte Chemie*, **2021**, 133, 12066-12072	3.6	8
55	Confined carburization-engineered synthesis of ultrathin nickel oxide/nickel heterostructured nanosheets for enhanced oxygen evolution reaction. *Nanoscale*, **2019**, 11, 22261-22269	7.7	8
54	Establishment and Identification of a CiPSC Lineage Reprogrammed from FSP-tdTomato Mouse Embryonic Fibroblasts (MEFs). *Stem Cells International*, **2018**, 2018, 5965727	5	8

53	Promoting Electrochemical CO 2 Reduction via Boosting Activation of Adsorbed Intermediates on Iron Single-Atom Catalyst. *Advanced Functional Materials*,2110174	15.6	8
52	Highly active ruthenium site stabilized by modulating electron-feeding for sustainable acidic oxygen-evolution electrocatalysis. *Energy and Environmental Science*,	35.4	8
51	Electrochemical reduction of gaseous CO2 with a catechol and polyethyleneimine co-deposited polypropylene membrane. *Electrochemistry Communications*, **2016**, 71, 1-4	5.1	7
50	Promoting CO2 Electroreduction Kinetics on Atomically Dispersed Monovalent Zn(I) Sites by Rationally Engineering Proton-feeding Centers. *Angewandte Chemie - International Edition*, **2021**,	16.4	7
49	In situ monitoring of Shewanella oneidensis MR-1 biofilm growth on gold electrodes by using a Pt microelectrode. *Bioelectrochemistry*, **2016**, 109, 95-100	5.6	7
48	A New Strategy for Accelerating Dynamic Proton Transfer of Electrochemical CO2 Reduction at High Current Densities. *Advanced Functional Materials*,2104243	15.6	7
47	An integrated bioelectrochemical system coupled CO2 electroreduction device based on atomically dispersed iron electrocatalysts. *Nano Energy*, **2021**, 87, 106187	17.1	7
46	Recent Advances in Manifold Exfoliated Synthesis of Two-Dimensional Non-precious Metal-Based Nanosheet Electrocatalysts for Water Splitting. *Small Structures*,2100153	8.7	6
45	Accelerated Water Dissociation Kinetics By Electron-Enriched Cobalt Sites for Efficient Alkaline Hydrogen Evolution. *Advanced Functional Materials*,2109556	15.6	6
44	Graphene-modified graphite paper cathode for the efficient bioelectrochemical removal of chromium. *Chemical Engineering Journal*, **2021**, 405, 126545-126545	14.7	6
43	Palladium-Catalyzed Direct Mono- or Polyhalogenation of Benzothiadiazole Derivatives. *Journal of Organic Chemistry*, **2020**, 85, 3788-3798	4.2	5
42	Induction of apoptosis by tomato using space mutation breeding in human colon cancer SW480 and HT-29 cells. *Journal of the Science of Food and Agriculture*, **2010**, 90, 615-21	4.3	5
41	Efficient production of lycopene from CO2 via microbial electrosynthesis. *Chemical Engineering Journal*, **2022**, 430, 132943	14.7	5
40	Inactivation of Bacteria in Oil Field Injected Water by a Pulsed Plasma Discharge Process. *Plasma Science and Technology*, **2016**, 18, 943-949	1.5	5
39	Immobilization of lead and cadmium in agricultural soil by bioelectrochemical reduction of sulfate in underground water. *Chemical Engineering Journal*, **2021**, 422, 130010	14.7	5
38	VEGF-Modified PVA/Silicone Nanofibers Enhance Islet Function Transplanted in Subcutaneous Site Followed by Device-Less Procedure. *International Journal of Nanomedicine*, **2020**, 15, 587-599	7.3	4
37	COMPARATIVE EFFECTS OF TUNA OIL AND SALMON OIL ON LIVER LIPID METABOLISM AND FATTY ACID CONCENTRATIONS IN RATS. *Journal of Food Lipids*, **2009**, 16, 436-451		4
36	Islet Transplantation Imaging in vivo. *Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy*, **2020**, 13, 3301-3311	3.4	4

35	Stainless steel cloth modified by carbon nanoparticles of Chinese ink as scalable and high-performance anode in microbial fuel cell. *Chinese Chemical Letters*, **2021**, 32, 2499-2502	8.1	4
34	Improving the biodecolorization of reactive blue 13 by sodium anthraquinone-2-sulfonate immobilized on modified polyvinyl alcohol beads. *Chinese Journal of Chemical Engineering*, **2015**, 23, 1194-1199	3.3	3
33	Effective mRNA Inhibition in PANC-1 Cells in Vitro Mediated via an mPEG-SeSe-PEI Delivery System. *Biological and Pharmaceutical Bulletin*, **2016**, 39, 680-8	2.3	3
32	Single Atom Electrocatalysts: Carbon-Rich Nonprecious Metal Single Atom Electrocatalysts for CO2 Reduction and Hydrogen Evolution (Small Methods 10/2019). *Small Methods*, **2019**, 3, 1970033	12.8	3
31	A COVID-19 risk score combining chest CT radiomics and clinical characteristics to differentiate COVID-19 pneumonia from other viral pneumonias. *Aging*, **2021**, 13, 9186-9224	5.6	3
30	Bimetallic Oxyhydroxide as a High-Performance Water Oxidation Electrocatalyst under Industry-Relevant Conditions. *Engineering*, **2021**, 7, 1306-1306	9.7	3
29	Pt/CoFe2O4-C hollow ball as efficient bifunctional electrocatalyst for Zn-air batteries. *Catalysis Today*, **2021**, 368, 204-210	5.3	3
28	Prediction of Setschenow constants of N-heteroaromatics in NaCl solutions based on the partial charge on the heterocyclic nitrogen atom. *Environmental Science and Pollution Research*, **2016**, 23, 3399-405	5.1	2
27	Kinetics and mechanism of low-concentration CO2 adsorption on solid amine in a humid confined space. *Canadian Journal of Chemical Engineering*, **2019**, 97, 697-701	2.3	2
26	Real-time imaging of optic nerve head collagen microstructure and biomechanics using instant polarized light microscopy.. *Experimental Eye Research*, **2022**, 217, 108967	3.7	2
25	Promoting CO2 Electroreduction Kinetics on Atomically Dispersed Monovalent Zn(I) Sites by Rationally Engineering Proton-Feeding Centers. *Angewandte Chemie*,	3.6	2
24	Bioelectrochemical sulfate reduction enhanced nitrogen removal from industrial wastewater containing ammonia and sulfate. *AICHE Journal*, **2021**, 67, e17309	3.6	2
23	Oxygen Evolution: Fe?N4 Sites Embedded into Carbon Nanofiber Integrated with Electrochemically Exfoliated Graphene for Oxygen Evolution in Acidic Medium (Adv. Energy Mater. 26/2018). *Advanced Energy Materials*, **2018**, 8, 1870119	21.8	2
22	Highly Selective Electrochemical Conversion of CO2 to HCOOH on Dendritic Indium Foams. *ChemElectroChem*, **2018**, 5, 215-215	4.3	1
21	Deactivation Kinetics of Polyethylenimine-based Adsorbents Used for the Capture of Low Concentration CO. *ACS Omega*, **2019**, 4, 11237-11244	3.9	1
20	Finger motion pattern recognition based on sEMG Support Vector Machine **2017**,		1
19	Simultaneous Online Measurement of H2O and CO2 in the Humid CO2 Adsorption/Desorption Process. *Analytical Sciences*, **2015**, 31, 757-61	1.7	1
18	HDR CCD Image Sensor System through Double-A/D Convertors. *Applied Mechanics and Materials*, **2011**, 66-68, 2241-2247	0.3	1

17	A cylindrical glass honeycomb solar collector and its application. *International Journal of Ambient Energy*, **1985**, 6, 79-88	2	1
16	Laparoscopic combined with percutaneous ablation for hepatocellular carcinoma under liver capsule: A single Chinese center experience of thirty patients. *Journal of Cancer Research and Therapeutics*, **2016**, 12, C143-C147	1.2	1
15	Lane Detection in Critical Shadow Conditions Based on Double A/D Convertors Camera. *Lecture Notes in Computer Science*, **2011**, 54-62	0.9	1
14	Acidic Electrolytes: High-Performance Metal-Free Nanosheets Array Electrocatalyst for Oxygen Evolution Reaction in Acid (Adv. Funct. Mater. 31/2020). *Advanced Functional Materials*, **2020**, 30, 2070210	15.6	1
13	A New Fusion Peptide Targeting Pancreatic Cancer and Inhibiting Tumor Growth. *OncoTargets and Therapy*, **2020**, 13, 7865-7875	4.4	1
12	Improved NH3-N conversion efficiency to N2 activated by BDD substrate on NiCu electrocatalysis process. *Separation and Purification Technology*, **2021**, 276, 119350	8.3	1
11	Layered bismuth oxide/bismuth sulfide supported on carrageenan derived carbon for efficient carbon dioxide electroreduction to formate. *Chinese Journal of Chemical Engineering*, **2022**, 43, 116-123	3.2	1
10	High-Fat Diet Enhances the Liver Metastasis Potential of Colorectal Cancer through Microbiota Dysbiosis. *Cancers*, **2022**, 14, 2573	6.6	1
9	Application Value of Selective Photon Shield in Dual-Energy Computed Tomography Angiography for Diagnosis of Intracranial Aneurysms. *Journal of Craniofacial Surgery*, **2016**, 27, e265-70	1.2	0
8	Alternating current enhanced bioremediation of petroleum hydrocarbon-contaminated soils. *Environmental Science and Pollution Research*, **2021**, 28, 47562-47573	5.1	0
7	Bioanode-driven CO2 electroreduction in a redox-medium-assisted system with high energy efficiency. *AICHE Journal*, **2021**, 67, e17283	3.6	0
6	Deciphering Single-Bacterium Adhesion Behavior Modulated by Extracellular Electron Transfer. *Nano Letters*, **2021**, 21, 5105-5115	11.5	0
5	Rational design on photoelectrodes and devices to boost photoelectrochemical performance of solar-driven water splitting: a mini review. *Frontiers of Chemical Science and Engineering*,	4.5	0
4	Bridging heterogeneous and homogeneous catalysts by ultrathin metal-polyphthalocyanine-based nanosheets from electron-coupled transalkylation delamination. *Nano Energy*, **2022**, 98, 107297	17.1	0
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