

Yujie Feng

List of Publications by Year in descending order

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345
papers

18,547
citations

11608

70
h-index

19136

118
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357
all docs

357
docs citations

357
times ranked

17679
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Visible-Light Responsive Graphene Oxide/TiO ₂ Composites with p/n Heterojunction. <i>ACS Nano</i> , 2010, 4, 6425-6432.	7.3	829
2	Brewery wastewater treatment using air-cathode microbial fuel cells. <i>Applied Microbiology and Biotechnology</i> , 2008, 78, 873-880.	1.7	545
3	Reaction pathways and mechanisms of the electrochemical degradation of phenol on different electrodes. <i>Water Research</i> , 2005, 39, 1972-1981.	5.3	525
4	Use of Carbon Mesh Anodes and the Effect of Different Pretreatment Methods on Power Production in Microbial Fuel Cells. <i>Environmental Science & Technology</i> , 2009, 43, 6870-6874.	4.6	486
5	Treatment of carbon fiber brush anodes for improving power generation in air-cathode microbial fuel cells. <i>Journal of Power Sources</i> , 2010, 195, 1841-1844.	4.0	466
6	Assessment of Microbial Fuel Cell Configurations and Power Densities. <i>Environmental Science and Technology Letters</i> , 2015, 2, 206-214.	3.9	423
7	Electroactive biofilms: Current status and future research needs. <i>Energy and Environmental Science</i> , 2011, 4, 4813.	15.6	394
8	Multifunctional iron-biochar composites for the removal of potentially toxic elements, inherent cations, and hetero-chloride from hydraulic fracturing wastewater. <i>Environment International</i> , 2019, 124, 521-532.	4.8	384
9	Lipid production of <i>Chlorella vulgaris</i> cultured in artificial wastewater medium. <i>Bioresource Technology</i> , 2011, 102, 101-105.	4.8	322
10	Long-Lived, Visible-Light-Excited Charge Carriers of TiO ₂ /BiVO ₄ Nanocomposites and their Unexpected Photoactivity for Water Splitting. <i>Advanced Energy Materials</i> , 2014, 4, 1300995.	10.2	268
11	A 90-liter stackable baffled microbial fuel cell for brewery wastewater treatment based on energy self-sufficient mode. <i>Bioresource Technology</i> , 2015, 195, 66-72.	4.8	264
12	Removal of trace antibiotics from wastewater: A systematic study of nanofiltration combined with ozone-based advanced oxidation processes. <i>Chemical Engineering Journal</i> , 2014, 240, 211-220.	6.6	244
13	A horizontal plug flow and stackable pilot microbial fuel cell for municipal wastewater treatment. <i>Bioresource Technology</i> , 2014, 156, 132-138.	4.8	237
14	Electrochemical technologies for wastewater treatment and resource reclamation. <i>Environmental Science: Water Research and Technology</i> , 2016, 2, 800-831.	1.2	220
15	Accelerated start-up of two-chambered microbial fuel cells: Effect of anodic positive poised potential. <i>Electrochimica Acta</i> , 2009, 54, 1109-1114.	2.6	219
16	Sequestration of CO ₂ discharged from anode by algal cathode in microbial carbon capture cells (MCCs). <i>Biosensors and Bioelectronics</i> , 2010, 25, 2639-2643.	5.3	214
17	Acid hydrolysis of corn stover for biohydrogen production using <i>Thermoanaerobacterium thermosaccharolyticum</i> W16. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 7182-7188.	3.8	183
18	Simultaneous water desalination and electricity generation in a microbial desalination cell with electrolyte recirculation for pH control. <i>Bioresource Technology</i> , 2012, 106, 89-94.	4.8	159

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19	Enhancing anaerobic digestion and methane production of tetracycline wastewater in EGSB reactor with GAC/NZVI mediator. <i>Water Research</i> , 2018, 136, 54-63.	5.3	159
20	Ultrathin nanoflakes constructed erythrocyte-like Bi ₂ WO ₆ hierarchical architecture via anionic self-regulation strategy for improving photocatalytic activity and gas-sensing property. <i>Applied Catalysis B: Environmental</i> , 2015, 163, 415-423.	10.8	152
21	Bioaugmentation for Electricity Generation from Corn Stover Biomass Using Microbial Fuel Cells. <i>Environmental Science & Technology</i> , 2009, 43, 6088-6093.	4.6	149
22	High-yield synthesis of strong photoluminescent N-doped carbon nanodots derived from hydrosoluble chitosan for mercury ion sensing via smartphone APP. <i>Biosensors and Bioelectronics</i> , 2016, 79, 1-8.	5.3	143
23	Hydrosoluble, UV-crosslinkable and injectable chitosan for patterned cell-laden microgel and rapid transdermal curing hydrogel in vivo. <i>Acta Biomaterialia</i> , 2015, 22, 59-69.	4.1	139
24	Regulation of metal ions in smart metal-cluster nodes of metal-organic frameworks with open metal sites for improved photocatalytic CO ₂ reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2020, 276, 119173.	10.8	138
25	Exceptional Photocatalytic Activity of 001-Facet-Exposed TiO ₂ Mainly Depending on Enhanced Adsorbed Oxygen by Residual Hydrogen Fluoride. <i>ACS Catalysis</i> , 2013, 3, 1378-1385.	5.5	137
26	Biodegradation of polyacrylamide by bacteria isolated from activated sludge and oil-contaminated soil. <i>Journal of Hazardous Materials</i> , 2010, 175, 955-959.	6.5	130
27	Enhanced photocatalytic activity for degrading Rhodamine B solution of commercial Degussa P25 TiO ₂ and its mechanisms. <i>Journal of Hazardous Materials</i> , 2009, 172, 1168-1174.	6.5	126
28	Influence of rare earths doping on the structure and electro-catalytic performance of Ti/Sb-SnO ₂ electrodes. <i>Electrochimica Acta</i> , 2009, 54, 4903-4909.	2.6	125
29	Fate of antibiotics during wastewater treatment and antibiotic distribution in the effluent-receiving waters of the Yellow Sea, northern China. <i>Marine Pollution Bulletin</i> , 2013, 73, 282-290.	2.3	116
30	Performance of Gd-doped Ti-based Sb-SnO ₂ anodes for electrochemical destruction of phenol. <i>Chemosphere</i> , 2008, 70, 1629-1636.	4.2	114
31	Nitrogen doped and hierarchically porous carbons derived from chitosan hydrogel via rapid microwave carbonization for high-performance supercapacitors. <i>Carbon</i> , 2017, 122, 592-603.	5.4	114
32	Highly efficient electro-generation of H ₂ O ₂ by adjusting liquid-gas-solid three phase interfaces of porous carbonaceous cathode during oxygen reduction reaction. <i>Water Research</i> , 2019, 164, 114933.	5.3	113
33	A critical review of risks, characteristics, and treatment strategies for potentially toxic elements in wastewater from shale gas extraction. <i>Environment International</i> , 2019, 125, 452-469.	4.8	112
34	Using bacterial catalyst in the cathode of microbial desalination cell to improve wastewater treatment and desalination. <i>Bioresource Technology</i> , 2012, 125, 108-113.	4.8	107
35	Surface properties of activated sludge-derived biochar determine the facilitating effects on <i>Geobacter</i> co-cultures. <i>Water Research</i> , 2018, 142, 441-451.	5.3	104
36	Treatment of biodiesel production wastes with simultaneous electricity generation using a single-chamber microbial fuel cell. <i>Bioresource Technology</i> , 2011, 102, 411-415.	4.8	103

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37	Response of anaerobic granular sludge to iron oxide nanoparticles and multi-wall carbon nanotubes during beet sugar industrial wastewater treatment. <i>Water Research</i> , 2017, 117, 87-94.	5.3	103
38	Fe-MOF derived jujube pit like Fe ₃ O ₄ /C composite as sulfur host for lithium-sulfur battery. <i>Electrochimica Acta</i> , 2019, 295, 444-451.	2.6	101
39	Continuous electricity generation by a graphite granule baffled air-cathode microbial fuel cell. <i>Bioresource Technology</i> , 2010, 101, 632-638.	4.8	98
40	Nitrogen and sulfur co-doped porous carbon derived from bio-waste as a promising electrocatalyst for zinc-air battery. <i>Energy</i> , 2018, 143, 43-55.	4.5	98
41	Enhanced electricity generation and extracellular electron transfer by polydopamine-reduced graphene oxide (PDA-rGO) modification for high-performance anode in microbial fuel cell. <i>Chemical Engineering Journal</i> , 2020, 387, 123408.	6.6	97
42	Carbon dots-fed <i>Shewanella oneidensis</i> MR-1 for bioelectricity enhancement. <i>Nature Communications</i> , 2020, 11, 1379.	5.8	97
43	Enhanced electron transfer and methane production from low-strength wastewater using a new granular activated carbon modified with nano-Fe ₃ O ₄ . <i>Chemical Engineering Journal</i> , 2019, 374, 1344-1352.	6.6	94
44	Effect of nitrogen addition on the performance of microbial fuel cell anodes. <i>Bioresource Technology</i> , 2011, 102, 395-398.	4.8	93
45	Nanoscale zero-valent iron for metal/metalloid removal from model hydraulic fracturing wastewater. <i>Chemosphere</i> , 2017, 176, 315-323.	4.2	93
46	Molten salt synthesis of nitrogen and oxygen enriched hierarchically porous carbons derived from biomass via rapid microwave carbonization for high voltage supercapacitors. <i>Applied Surface Science</i> , 2018, 439, 712-723.	3.1	93
47	Nitric acid activation of graphite granules to increase the performance of the non-catalyzed oxygen reduction reaction (ORR) for MFC applications. <i>Electrochemistry Communications</i> , 2009, 11, 1547-1549.	2.3	91
48	Acidic and alkaline pretreatments of activated carbon and their effects on the performance of air-cathodes in microbial fuel cells. <i>Bioresource Technology</i> , 2013, 144, 632-636.	4.8	91
49	Bread-derived 3D macroporous carbon foams as high performance free-standing anode in microbial fuel cells. <i>Biosensors and Bioelectronics</i> , 2018, 122, 217-223.	5.3	91
50	Electricity Generation and Pollutant Degradation Using a Novel Biocathode Coupled Photoelectrochemical Cell. <i>Environmental Science & Technology</i> , 2014, 48, 7634-7641.	4.6	90
51	Visual <i>in vivo</i> degradation of injectable hydrogel by real-time and non-invasive tracking using carbon nanodots as fluorescent indicator. <i>Biomaterials</i> , 2017, 145, 192-206.	5.7	89
52	Effect of CeO ₂ addition on the structure and activity of RuO ₂ /Al ₂ O ₃ catalyst. <i>Applied Surface Science</i> , 2005, 246, 222-228.	3.1	87
53	Enhanced electricity generation for microbial fuel cell by using electrochemical oxidation to modify carbon cloth anode. <i>Journal of Power Sources</i> , 2014, 265, 391-396.	4.0	87
54	Graphene Aerogels with Anchored Submicrometer Mulberry-Like ZnO Particles for High-Rate and Long-Cycle Anode Materials in Lithium Ion Batteries. <i>Small</i> , 2016, 12, 5208-5216.	5.2	87

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55	Cadmium-induced oxidative stress, histopathology, and transcriptome changes in the hepatopancreas of freshwater crayfish (<i>Procambarus clarkii</i>). <i>Science of the Total Environment</i> , 2019, 666, 944-955.	3.9	87
56	The effect of flow modes and electrode combinations on the performance of a multiple module microbial fuel cell installed at wastewater treatment plant. <i>Water Research</i> , 2016, 105, 351-360.	5.3	86
57	Folic Acid Functionalized Zirconium-Based Metal-Organic Frameworks as Drug Carriers for Active Tumor-Targeted Drug Delivery. <i>Chemistry - A European Journal</i> , 2018, 24, 17148-17154.	1.7	85
58	A combined microbial desalination cell and electrodialysis system for copper-containing wastewater treatment and high-salinity-water desalination. <i>Journal of Hazardous Materials</i> , 2017, 321, 307-315.	6.5	83
59	Nanomaterials for facilitating microbial extracellular electron transfer: Recent progress and challenges. <i>Bioelectrochemistry</i> , 2018, 123, 190-200.	2.4	83
60	Field tests of cubic-meter scale microbial electrochemical system in a municipal wastewater treatment plant. <i>Water Research</i> , 2019, 155, 372-380.	5.3	83
61	Remediation of nitrate contamination by membrane hydrogenotrophic denitrifying biofilm integrated in microbial electrolysis cell. <i>Water Research</i> , 2021, 188, 116498.	5.3	82
62	Application of nitrogen-doped carbon powders as low-cost and durable cathodic catalyst to air-cathode microbial fuel cells. <i>Bioresource Technology</i> , 2012, 108, 89-93.	4.8	81
63	Carbon Footprint Analyses of Mainstream Wastewater Treatment Technologies under Different Sludge Treatment Scenarios in China. <i>Water (Switzerland)</i> , 2015, 7, 918-938.	1.2	81
64	Integrating electrochemical oxidation into forward osmosis process for removal of trace antibiotics in wastewater. <i>Journal of Hazardous Materials</i> , 2015, 296, 248-255.	6.5	79
65	An efficient method to enhance the stability of sulphide semiconductor photocatalysts: a case study of N-doped ZnS. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 1870-1876.	1.3	79
66	Use of a Coculture To Enable Current Production by <i>Geobacter sulfurreducens</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 3484-3487.	1.4	78
67	Adsorption behavior of EE2 (17 β -ethinylestradiol) onto the inactivated sewage sludge: Kinetics, thermodynamics and influence factors. <i>Journal of Hazardous Materials</i> , 2010, 175, 970-976.	6.5	76
68	Effects of cadmium on intestinal histology and microbiota in freshwater crayfish (<i>Procambarus</i>)	4.2	76
69	Phosphate-bridged TiO ₂ -BiVO ₄ nanocomposites with exceptional visible activities for photocatalytic water splitting. <i>Journal of Alloys and Compounds</i> , 2015, 631, 120-124.	2.8	74
70	Opportunities for nanotechnology to enhance electrochemical treatment of pollutants in potable water and industrial wastewater – a perspective. <i>Environmental Science: Nano</i> , 2020, 7, 2178-2194.	2.2	74
71	Stability, durability and regeneration ability of a novel Ag ₂ Nb ₄ O ₁₁ . <i>Chemical Communications</i> , 2014, 50, 6596-6599.	2.2	73
72	Stable artificial solid electrolyte interphase films for lithium metal anode via metal-organic frameworks cemented by polyvinyl alcohol. <i>Journal of Materials Chemistry A</i> , 2020, 8, 251-258.	5.2	72

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73	Bidirectional electron transfer biofilm assisted complete bioelectrochemical denitrification process. <i>Chemical Engineering Journal</i> , 2019, 375, 121960.	6.6	71
74	MOF-Derived Cu ₂ O/Cu Nanospheres Anchored in Nitrogen-Doped Hollow Porous Carbon Framework for Increasing the Selectivity and Activity of Electrochemical CO ₂ -to-Formate Conversion. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7030-7037.	4.0	69
75	Salt removal using multiple microbial desalination cells under continuous flow conditions. <i>Desalination</i> , 2013, 317, 17-22.	4.0	67
76	Highly-effective photocatalytic properties and interfacial transfer efficiencies of charge carriers for the novel Ag ₂ CO ₃ /AgX heterojunctions achieved by surface modification. <i>Dalton Transactions</i> , 2014, 43, 7282-7289.	1.6	66
77	UV-crosslinkable and thermo-responsive chitosan hybrid hydrogel for NIR-triggered localized on-demand drug delivery. <i>Carbohydrate Polymers</i> , 2017, 174, 904-914.	5.1	66
78	A novel electro-coagulation-Fenton for energy efficient cyanobacteria and cyanotoxins removal without chemical addition. <i>Journal of Hazardous Materials</i> , 2019, 365, 650-658.	6.5	65
79	Preparation and properties of Ti/SnO ₂ -Sb ₂ O ₅ electrodes by electrodeposition. <i>Materials Letters</i> , 2007, 61, 4920-4923.	1.3	63
80	Enhanced performance of microbial fuel cell with a bacteria/multi-walled carbon nanotube hybrid biofilm. <i>Journal of Power Sources</i> , 2017, 361, 318-325.	4.0	63
81	Microwave absorption properties of La doped barium titanate in X-band. <i>Journal of Alloys and Compounds</i> , 2009, 472, 441-445.	2.8	62
82	Intermittent contact of fluidized anode particles containing exoelectrogenic biofilms for continuous power generation in microbial fuel cells. <i>Journal of Power Sources</i> , 2014, 261, 278-284.	4.0	62
83	Nitrogen-doped carbon nanotubes/reduced graphene oxide nanosheet hybrids towards enhanced cathodic oxygen reduction and power generation of microbial fuel cells. <i>Nano Energy</i> , 2019, 61, 533-539.	8.2	61
84	Decoupled pH- and Thermo-Responsive Injectable Chitosan/PNIPAM Hydrogel via Thiol-Ene Click Chemistry for Potential Applications in Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000454.	3.9	61
85	Using ammonium bicarbonate as pore former in activated carbon catalyst layer to enhance performance of air cathode microbial fuel cell. <i>Journal of Power Sources</i> , 2014, 272, 909-914.	4.0	60
86	Rapid and high yield synthesis of carbon dots with chelating ability derived from acrylamide/chitosan for selective detection of ferrous ions. <i>Applied Surface Science</i> , 2019, 487, 1167-1175.	3.1	60
87	Degradation of raw corn stover powder (RCSP) by an enriched microbial consortium and its community structure. <i>Bioresource Technology</i> , 2011, 102, 742-747.	4.8	59
88	Patterned ion exchange membranes for improved power production in microbial reverse-electrodialysis cells. <i>Journal of Power Sources</i> , 2014, 271, 437-443.	4.0	58
89	Occurrence and removal efficiencies of eight EDCs and estrogenicity in a STP. <i>Journal of Environmental Monitoring</i> , 2011, 13, 1366.	2.1	57
90	pH-responsive UV crosslinkable chitosan hydrogel via thiol-ene click chemistry for active modulating opposite drug release behaviors. <i>Carbohydrate Polymers</i> , 2021, 251, 117101.	5.1	57

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91	Titanium dioxide nanoparticles increase plasma glucose via reactive oxygen species-induced insulin resistance in mice. <i>Journal of Applied Toxicology</i> , 2015, 35, 1122-1132.	1.4	56
92	Tuning the pore structure of porous tin foam electrodes for enhanced electrochemical reduction of carbon dioxide to formate. <i>Chemical Engineering Journal</i> , 2019, 375, 122024.	6.6	56
93	Revealing Decay Mechanisms of H ₂ O ₂ -Based Electrochemical Advanced Oxidation Processes after Long-Term Operation for Phenol Degradation. <i>Environmental Science & Technology</i> , 2020, 54, 10916-10925.	4.6	56
94	Aging effects on chemical transformation and metal(loid) removal by entrapped nanoscale zero-valent iron for hydraulic fracturing wastewater treatment. <i>Science of the Total Environment</i> , 2018, 615, 498-507.	3.9	55
95	Chitosan in-situ grafted magnetite nanoparticles toward mechanically robust and electrically conductive ionic-covalent nanocomposite hydrogels with sensitive strain-responsive resistance. <i>Composites Science and Technology</i> , 2020, 195, 108173.	3.8	55
96	Potential impact of flowback water from hydraulic fracturing on agricultural soil quality: Metal/metalloid bioaccessibility, Microtox bioassay, and enzyme activities. <i>Science of the Total Environment</i> , 2017, 579, 1419-1426.	3.9	54
97	Enhanced <i>Shewanella oneidensis</i> MR-1 anode performance by adding fumarate in microbial fuel cell. <i>Chemical Engineering Journal</i> , 2017, 328, 697-702.	6.6	54
98	Facile synthesis of porous Cu-Sn alloy electrode with prior selectivity of formate in a wide potential range for CO ₂ electrochemical reduction. <i>Applied Catalysis B: Environmental</i> , 2021, 292, 120119.	10.8	54
99	Roles of magnetic particles in magnetic seeding coagulation-flocculation process for surface water treatment. <i>Separation and Purification Technology</i> , 2019, 212, 337-343.	3.9	53
100	Factors affecting the electro-catalytic characteristics of Eu doped SnO ₂ /Sb electrode. <i>Journal of Hazardous Materials</i> , 2010, 178, 29-34.	6.5	52
101	Efficient photocatalytic CO ₂ reduction by P=O linked g-C ₃ N ₄ /TiO ₂ -nanotubes Z-scheme composites. <i>Energy</i> , 2019, 178, 168-175.	4.5	52
102	Pilot-scale benthic microbial electrochemical system (BMES) for the bioremediation of polluted river sediment. <i>Journal of Power Sources</i> , 2017, 356, 430-437.	4.0	50
103	Microcystin-LR-induced changes of hepatopancreatic transcriptome, intestinal microbiota, and histopathology of freshwater crayfish (<i>Procambarus clarkii</i>). <i>Science of the Total Environment</i> , 2020, 711, 134549.	3.9	50
104	Extracellular Electron Exchange Capabilities of <i>Desulfovibrio ferrophilus</i> and <i>Desulfopila corrodens</i> . <i>Environmental Science & Technology</i> , 2021, 55, 16195-16203.	4.6	50
105	Kinetic degradation model and estrogenicity changes of EE2 (17 β -ethinylestradiol) in aqueous solution by UV and UV/H ₂ O ₂ technology. <i>Journal of Hazardous Materials</i> , 2010, 181, 1127-1133.	6.5	49
106	A combined system of microbial fuel cell and intermittently aerated biological filter for energy self-sufficient wastewater treatment. <i>Scientific Reports</i> , 2015, 5, 18070.	1.6	49
107	Microbial fuel cells with an integrated spacer and separate anode and cathode modules. <i>Environmental Science: Water Research and Technology</i> , 2016, 2, 186-195.	1.2	49
108	Enhanced biotransformation of nitrobenzene by the synergies of <i>Shewanella</i> species and mediator-functionalized polyurethane foam. <i>Journal of Hazardous Materials</i> , 2013, 252-253, 227-232.	6.5	48

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109	Construction of TiO ₂ nanotube clusters on Ti mesh for immobilizing Sb-SnO ₂ to boost electrocatalytic phenol degradation. <i>Journal of Hazardous Materials</i> , 2020, 393, 122329.	6.5	48
110	Synthesis of Efficient Nanosized Rutile TiO ₂ and Its Main Factors Determining Its Photodegradation Activity: Roles of Residual Chloride and Adsorbed Oxygen. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17094-17100.	1.5	47
111	A dynamic contaminant fate model of organic compound: A case study of Nitrobenzene pollution in Songhua River, China. <i>Chemosphere</i> , 2012, 88, 69-76.	4.2	47
112	A multimedia fate model to evaluate the fate of PAHs in Songhua River, China. <i>Environmental Pollution</i> , 2012, 164, 81-88.	3.7	45
113	Effects of sulfide on microbial fuel cells with platinum and nitrogen-doped carbon powder cathodes. <i>Biosensors and Bioelectronics</i> , 2012, 35, 413-415.	5.3	45
114	Enhanced charge separation of rutile TiO ₂ nanorods by trapping holes and transferring electrons for efficient cocatalyst-free photocatalytic conversion of CO ₂ to fuels. <i>Chemical Communications</i> , 2016, 52, 5027-5029.	2.2	45
115	Removal of chlorinated organic solvents from hydraulic fracturing wastewater by bare and entrapped nanoscale zero-valent iron. <i>Chemosphere</i> , 2018, 196, 9-17.	4.2	45
116	Effectiveness and pathways of electrochemical degradation of pretilachlor herbicides. <i>Journal of Hazardous Materials</i> , 2011, 189, 84-91.	6.5	44
117	Long-lived photogenerated charge carriers of 001-facet-exposed TiO ₂ with enhanced thermal stability as an efficient photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 29-34.	10.8	44
118	Bio-Electron-Fenton (BEF) process driven by sediment microbial fuel cells (SMFCs) for antibiotics desorption and degradation. <i>Biosensors and Bioelectronics</i> , 2019, 136, 8-15.	5.3	43
119	Enhancing methane production of synthetic brewery water with granular activated carbon modified with nanoscale zero-valent iron (NZVI) in anaerobic system. <i>Science of the Total Environment</i> , 2021, 760, 143933.	3.9	43
120	Power generation using adjustable Nafion/PTFE mixed binders in air-cathode microbial fuel cells. <i>Biosensors and Bioelectronics</i> , 2010, 26, 946-948.	5.3	42
121	A microbial fluidized electrode electrolysis cell (MFEEC) for enhanced hydrogen production. <i>Journal of Power Sources</i> , 2014, 271, 530-533.	4.0	42
122	The promotion effect of surface negative electrostatic field on the photogenerated charge separation of BiVO ₄ and its contribution to the enhanced PEC water oxidation. <i>Chemical Communications</i> , 2015, 51, 2821-2823.	2.2	42
123	Combined effects of carbon, phosphorus and nitrogen on lipid accumulation of <i>Chlorella vulgaris</i> in mixotrophic culture. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 680-684.	1.6	42
124	Exposure and health risk assessment of PM 2.5-bound trace metals during winter in university campus in Northeast China. <i>Science of the Total Environment</i> , 2017, 576, 628-636.	3.9	41
125	Enhanced mechanical properties of polyacrylamide/chitosan hydrogels by tuning the molecular structure of hyperbranched polysiloxane. <i>Materials and Design</i> , 2019, 162, 162-170.	3.3	41
126	The effect of water proofing on the performance of nickel foam cathode in microbial fuel cells. <i>Journal of Power Sources</i> , 2012, 198, 100-104.	4.0	40

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127	Coupling interaction of cathodic reduction and microbial metabolism in aerobic biocathode of microbial fuel cell. RSC Advances, 2014, 4, 34350-34355.	1.7	40
128	Influence of Silver nanoparticles on nutrient removal and microbial communities in SBR process after long-term exposure. Science of the Total Environment, 2016, 569-570, 234-243.	3.9	40
129	Fabrication of pilot-scale photocatalytic disinfection device by installing TiO ₂ coated helical support into UV annular reactor for strengthening sterilization. Chemical Engineering Journal, 2016, 283, 1506-1513.	6.6	40
130	Preparation of Al ³⁺ -O-Linked Porous-g-C ₃ N ₄ /TiO ₂ -Nanotube Z-Scheme Composites for Efficient Photocatalytic CO ₂ Conversion and 2,4-Dichlorophenol Decomposition and Mechanism. ACS Sustainable Chemistry and Engineering, 2019, 7, 15289-15296.	3.2	40
131	Efficient hydrogen recovery with CoP-NF as cathode in microbial electrolysis cells. Applied Energy, 2020, 264, 114700.	5.1	40
132	The use of double-sided cloth without diffusion layers as air-cathode in microbial fuel cells. Journal of Power Sources, 2011, 196, 8409-8412.	4.0	39
133	Influence of boron concentration on growth characteristic and electro-catalytic performance of boron-doped diamond electrodes prepared by direct current plasma chemical vapor deposition. Applied Surface Science, 2011, 257, 3433-3439.	3.1	39
134	The electrochemical behavior of three air cathodes for microbial electrochemical system (MES) under meter scale water pressure. Journal of Power Sources, 2014, 267, 219-226.	4.0	39
135	RNA sequencing analysis shows that titanium dioxide nanoparticles induce endoplasmic reticulum stress, which has a central role in mediating plasma glucose in mice. Nanotoxicology, 2018, 12, 341-356.	1.6	39
136	Hydrophilic graphene aerogel anodes enhance the performance of microbial electrochemical systems. Bioresource Technology, 2020, 304, 122907.	4.8	39
137	Enhancing anaerobic degradation of phenol to methane via solubilizing Fe(III) oxides for dissimilatory iron reduction with organic chelates. Bioresource Technology, 2019, 291, 121858.	4.8	38
138	Application of a microalga, Scenedesmus obliquus PF3, for the biological removal of nitric oxide (NO) and carbon dioxide. Environmental Pollution, 2019, 252, 344-351.	3.7	38
139	Enhanced electricity generation and effective water filtration using graphene-based membrane air-cathodes in microbial fuel cells. Journal of Power Sources, 2018, 395, 221-227.	4.0	36
140	Performance of CSTR-EGSB-SBR system for treating sulfate-rich cellulosic ethanol wastewater and microbial community analysis. Environmental Science and Pollution Research, 2017, 24, 14387-14395.	2.7	35
141	Bioaccessibility and exposure assessment of trace metals from urban airborne particulate matter (PM ₁₀ and PM _{2.5}) in simulated digestive fluid. Environmental Pollution, 2018, 242, 1669-1677.	3.7	35
142	Distribution, inhalation and health risk of PM _{2.5} related PAHs in indoor environments. Ecotoxicology and Environmental Safety, 2018, 164, 409-415.	2.9	35
143	Mixed-Metal-Cluster Strategy for Boosting Electrocatalytic Oxygen Evolution Reaction of Robust Metal-Organic Frameworks. ACS Applied Materials & Interfaces, 2019, 11, 45080-45086.	4.0	35
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