

Lifen Liu

List of Publications by Year in descending order

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217
papers

8,014
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47006

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all docs

221
docs citations

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times ranked

8501
citing authors

#	ARTICLE	IF	CITATIONS
1	The reduction of CO ₂ /bicarbonate to ethanol driven by Bio-electrochemical system using reduced graphene oxide modified nickel foam. Separation and Purification Technology, 2022, 280, 119437.	7.9	1
2	Sustainable and continuous removal of trimethylamine in a bio-photoelectrochemical reactor using g-C ₃ N ₄ /TiO ₂ photocathode with power generation. Journal of Chemical Technology and Biotechnology, 2022, 97, 218.	3.2	0
3	Catalytic membrane cathode integrated in a proton exchange membrane-free microbial fuel cell for coking wastewater treatment. Journal of the Taiwan Institute of Chemical Engineers, 2022, 132, 104117.	5.3	5
4	Self-sustained recovery of silver with stainless-steel based Cobalt/Molybdenum/Manganese polycrystalline catalytic electrode in bio-electroreduction microbial fuel cell (BEMFC). Journal of Hazardous Materials, 2022, 424, 127664.	12.4	8
5	Piezo-photocatalytic fuel cell with atomic Fe@MoS ₂ on CFC helical electrode has enhanced peroxydisulfate activation, pollutant degradation and power generation. Applied Catalysis B: Environmental, 2022, 304, 120953.	20.2	25
6	Microbial coupled photocatalytic fuel cell with a double Z-scheme g-C ₃ N ₄ /ZnO/Bi ₄ O ₅ Br ₂ cathode for the degradation of different organic pollutants. International Journal of Hydrogen Energy, 2022, 47, 3781-3790.	7.1	16
7	Improved degradation of tetracycline, norfloxacin and methyl orange wastewater treatment with dual catalytic electrode assisted self-sustained Fe ²⁺ electro-Fenton system: Regulatory factors, mechanisms and pathways. Separation and Purification Technology, 2022, 284, 120232.	7.9	19
8	Self-sustained bioelectrical reduction system assisted iron-manganese doped metal-organic framework membrane for the treatment of electroplating wastewater. Journal of Cleaner Production, 2022, 331, 129972.	9.3	16
9	Theoretical study of the solubility of Pt salts in ionic liquids and deep eutectic solvents. Ionics, 2022, 28, 1985-1997.	2.4	0
10	Removal of radioactive ions in low-concentration nuclear industry wastewater with carbon-felt based iron/magnesium/zirconium polycrystalline catalytic cathode in a dual-chamber microbial fuel cell. Journal of Power Sources, 2022, 528, 231208.	7.8	7
11	PMS activation over MoS ₂ /Co _{0.75} Mo ₃ S _{3.75} for RhB pollutant oxidation removal in fuel cell system. Journal of Environmental Chemical Engineering, 2022, 10, 107449.	6.7	8
12	Electroreduction recovery of gold, platinum and palladium and electrooxidation removal of cyanide using a bioelectrochemical system. Bioresource Technology Reports, 2022, 18, 101007.	2.7	1
13	A visible-light-driven photocatalytic fuel cell/peroxydisulfate (PFC/PMS) system using blue TiO ₂ nanotube arrays (TNA) anode and Cu-Co-WO ₃ cathode for enhanced oxidation of organic pollutant and ammonium nitrogen in real seawater. Applied Catalysis B: Environmental, 2022, 308, 121215.	20.2	43
14	Hierarchical metal-phenolic-polyplex assembly toward superwetting membrane for high-flux and antifouling oil-water separation. Chinese Chemical Letters, 2022, 33, 3859-3864.	9.0	16
15	Structure adjustment for enhancing the water permeability and separation selectivity of the thin film composite nanofiltration membrane based on a dendritic hyperbranched polymer. Journal of Membrane Science, 2021, 618, 118455.	8.2	37
16	Efficient degradation of trimethylamine in gas phase by petal-shaped Co-MoS ₂ catalyst in the photo-electrochemical system. Chemical Engineering Journal, 2021, 405, 127034.	12.7	9
17	Performance and microbial community analysis of bioaugmented activated sludge for nitrogen-containing organic pollutants removal. Journal of Environmental Sciences, 2021, 101, 373-381.	6.1	46
18	Synergistic multiple active species driven fast estrone oxidation by γ -MnO ₂ in the existence of methanol. Science of the Total Environment, 2021, 761, 143201.	8.0	7

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19	Link between characteristics of Fe(III) oxides and critical role in enhancing anaerobic methanogenic degradation of complex organic compounds. <i>Environmental Research</i> , 2021, 194, 110498.	7.5	18
20	Surface modification of reverse osmosis membrane with tannic acid for improving chlorine resistance. <i>Desalination</i> , 2021, 498, 114639.	8.2	34
21	Cathodes of membrane and packed manganese dioxide/titanium dioxide/graphitic carbon nitride/granular activated carbon promoted treatment of coking wastewater in microbial fuel cell. <i>Bioresource Technology</i> , 2021, 321, 124442.	9.6	19
22	Bioremediation of petroleum hydrocarbons by alkali-tolerant microbial consortia and their community profiles. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 809-817.	3.2	14
23	Electrochemical synthesis of ammonia from nitrogen catalyzed by CoMoO ₄ nanorods under ambient conditions. <i>Journal of Materials Chemistry A</i> , 2021, 9, 5060-5066.	10.3	23
24	Diversity and structure of soil bacterial community in intertidal zone of Daliao River estuary, Northeast China. <i>Marine Pollution Bulletin</i> , 2021, 163, 111965.	5.0	9
25	Mo ₂ C embedded on nitrogen-doped carbon toward electrocatalytic nitrogen reduction to ammonia under ambient conditions. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 13011-13019.	7.1	28
26	Magnetite drives self-dechlorination of 4-chlorophenol in anoxic aquatic sediments. <i>Chemosphere</i> , 2021, 273, 129668.	8.2	6
27	Electro-enhanced chlorine-mediated ammonium nitrogen removal triggered by an optimized catalytic anode for sustainable saline wastewater treatment. <i>Science of the Total Environment</i> , 2021, 776, 146035.	8.0	25
28	Engineering superwetting membranes through polyphenol-polycation-metal complexation for high-efficient oil/water separation: From polyphenol to tailored nanostructures. <i>Journal of Membrane Science</i> , 2021, 630, 119310.	8.2	50
29	Construction of a photocatalytic fuel cell using a novel Z-scheme MoS ₂ /rGO/Bi ₂ S ₃ as electrode degraded antibiotic wastewater. <i>Separation and Purification Technology</i> , 2021, 277, 119276.	7.9	9
30	Polyphenol-engineered superwetting membranes with wrinkled microspherical organizations for high-efficient oil/water separation. <i>Journal of Membrane Science</i> , 2021, 640, 119813.	8.2	20
31	Progress on catalytic electrodes and fuel cell systems for industrial wastewater treatment. <i>Chinese Science Bulletin</i> , 2021, 66, 2378-2392.	0.7	1
32	Combining tannic acid-modified support and a green co-solvent for high performance reverse osmosis membranes. <i>Journal of Membrane Science</i> , 2020, 595, 117474.	8.2	41
33	Transcriptomic responses of <i>Artemia salina</i> exposed to an environmentally relevant dose of <i>Alexandrium minutum</i> cells or Gonyautoxin _{2/3} . <i>Chemosphere</i> , 2020, 238, 124661.	8.2	15
34	Theoretical investigation of methanol oxidation on Pt and PtNi catalysts. <i>Ionics</i> , 2020, 26, 1325-1336.	2.4	9
35	Solvent activation before heat-treatment for improving reverse osmosis membrane performance. <i>Journal of Membrane Science</i> , 2020, 595, 117565.	8.2	35
36	Opposite pH-dependent roles of hydroxyl radicals in ozonation and UV photolysis of genistein. <i>Science of the Total Environment</i> , 2020, 709, 136243.	8.0	10

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37	Current progress of Pt and Pt-based electrocatalysts used for fuel cells. <i>Sustainable Energy and Fuels</i> , 2020, 4, 15-30.	4.9	375
38	Efficient photocatalytic treatment of sugar mill wastewater with 2%Ag ₃ PO ₄ /Fe/GTiP nanocomposite. <i>Arabian Journal of Chemistry</i> , 2020, 13, 3624-3632.	4.9	6
39	Novel ternary p-ZnIn ₂ S ₄ /rGO/n-g-C ₃ N ₄ Z-scheme nanocatalyst with enhanced antibiotic degradation in a dark self-biased fuel cell. <i>Ceramics International</i> , 2020, 46, 9567-9574.	4.8	24
40	Simultaneous desulfurization and denitrification from flue gas by catalytic ozonation combined with NH ₃ /(NH ₄) ₂ S ₂ O ₈ absorption: Mechanisms and recovery of compound fertilizer. <i>Science of the Total Environment</i> , 2020, 706, 136027.	8.0	18
41	Sn-doped V ₂ O ₅ nanoparticles as catalyst for fast removal of ammonia in air via PEC and PEC-MFC. <i>Chemical Engineering Journal</i> , 2020, 392, 123738.	12.7	27
42	Investigating the potentiality of <i>Scenedesmus obliquus</i> and <i>Acinetobacter pittii</i> partnership system and their effects on nutrients removal from synthetic domestic wastewater. <i>Bioresource Technology</i> , 2020, 299, 122571.	9.6	31
43	Electricity generation in fuel cell with light and without light and decomposition of tetracycline hydrochloride using g-C ₃ N ₄ /FeO(1%)/TiO ₂ anode and WO ₃ cathode. <i>Chemosphere</i> , 2020, 243, 125425.	8.2	16
44	Oxidation of gas phase ammonia via accelerated generation of radical species and synergy of photo electrochemical catalysis with persulfate activation by CuO-Co ₃ O ₄ on cathode electrode. <i>Journal of Hazardous Materials</i> , 2020, 388, 121793.	12.4	26
45	Enhanced removal of copper by electroflocculation and electroreduction in a novel bioelectrochemical system assisted microelectrolysis. <i>Bioresource Technology</i> , 2020, 297, 122507.	9.6	20
46	Applications of tannic acid in membrane technologies: A review. <i>Advances in Colloid and Interface Science</i> , 2020, 284, 102267.	14.7	181
47	The construction and performance of photocatalytic-fuel-cell with Fe-MoS ₂ /reduced graphene oxide@carbon fiber cloth and ZnFe ₂ O ₄ /Ag/Ag ₃ VO ₄ @carbon felt as photo electrodes. <i>Electrochimica Acta</i> , 2020, 362, 137037.	5.2	14
48	Molecularly imprinted polymer solid phase extraction coupled with liquid chromatography-high resolution mass spectrometry for the detection of gonyautoxins 2&3 in seawater. <i>Marine Pollution Bulletin</i> , 2020, 157, 111333.	5.0	4
49	Integrating anodic membrane diffusion/biodegradation with UV photolysis, Adsorptive oxidation by activation of peroxymonosulfate over activated carbon fiber based photo cathode in one reactor system for removing toluene gas. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104143.	6.7	12
50	Facile synthesis of alloyed PtNi/CNTs electrocatalyst with enhanced catalytic activity and stability for methanol oxidation. <i>Inorganic Chemistry Communication</i> , 2020, 120, 108130.	3.9	12
51	Seasonal variations of soil bacterial communities in Suaeda wetland of Shuangtaizi River estuary, Northeast China. <i>Journal of Environmental Sciences</i> , 2020, 97, 45-53.	6.1	24
52	Biochar stimulates growth of novel species capable of direct interspecies electron transfer in anaerobic digestion via ethanol-type fermentation. <i>Environmental Research</i> , 2020, 189, 109983.	7.5	46
53	A novel method for preparation of polyaluminum phosphoric sulfate (PAPS) coagulant using SAPO-34 mother liquor: Characterization and coagulation performance. <i>Chemical Engineering Research and Design</i> , 2020, 140, 380-391.	5.6	8
54	A novel UV-assisted PEC-MFC system with CeO ₂ /TiO ₂ /ACF catalytic cathode for gas phase VOCs treatment. <i>Chemosphere</i> , 2020, 255, 126930.	8.2	21

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55	Sorption behaviors of crude oil on polyethylene microplastics in seawater and digestive tract under simulated real-world conditions. <i>Chemosphere</i> , 2020, 257, 127225.	8.2	30
56	Activation of peroxymonosulfate and recycled effluent filtration over cathode membrane CNFs-CoFe ₂ O ₄ /PVDF in a photocatalytic fuel cell for water pollution control. <i>Chemical Engineering Journal</i> , 2020, 399, 125731.	12.7	32
57	A WO ₃ /PPy/ACF modified electrode in electrochemical system for simultaneous removal of heavy metal ion Cu ²⁺ and organic acid. <i>Journal of Hazardous Materials</i> , 2020, 394, 122534.	12.4	42
58	Successful bio-electrochemical treatment of nitrogenous mariculture wastewater by enhancing nitrogen removal via synergy of algae and cathodic photo-electro-catalysis. <i>Science of the Total Environment</i> , 2020, 743, 140738.	8.0	24
59	Highly selective colorimetric determination of catechol based on the aggregation-induced oxidase-mimic activity decrease of Γ -MnO ₂ . <i>RSC Advances</i> , 2020, 10, 6801-6806.	3.6	6
60	Comparative characterization and functional genomic analysis of two <i>Comamonas</i> sp. strains for biodegradation of quinoline. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 2017-2026.	3.2	13
61	A microbial fuel cell system with manganese dioxide/titanium dioxide/graphitic carbon nitride coated granular activated carbon cathode successfully treated organic acids industrial wastewater with residual nitric acid. <i>Bioresource Technology</i> , 2020, 304, 122992.	9.6	34
62	Polyphenol-metal manipulated nanohybridization of CNT membranes with FeOOH nanorods for high-flux, antifouling and self-cleaning oil/water separation. <i>Journal of Membrane Science</i> , 2020, 600, 117857.	8.2	80
63	Superwetting Oil/Water Separation Membrane Constructed from In Situ Assembled Metal-Phenolic Networks and Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10000-10008.	8.0	113
64	An active electro-Fenton PVDF/SS/PPy cathode membrane can remove contaminant by filtration and mitigate fouling by pairing with sacrificial iron anode. <i>Journal of Membrane Science</i> , 2020, 605, 118100.	8.2	26
65	Bimetallic Mo-Co nanoparticles anchored on nitrogen-doped carbon for enhanced electrochemical nitrogen fixation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9091-9098.	10.3	62
66	Heat treatment of MnCO ₃ : An easy way to obtain efficient and stable MnO ₂ for humid O ₃ decomposition. <i>Applied Surface Science</i> , 2019, 463, 374-385.	6.1	59
67	Exploring the novel indigenous strains for degrading the crude oil contaminants in soil sample. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 5657-5668.	3.5	4
68	Electricity generating & high efficiency advanced oxidation process including peroxymonosulfate activation in photocatalytic fuel cell. <i>Chemical Engineering Journal</i> , 2019, 378, 122148.	12.7	40
69	Preparation of isoporous membranes from low β block copolymers via co-assembly with H-bond interacting homopolymers. <i>Journal of Membrane Science</i> , 2019, 589, 117255.	8.2	13
70	Bioinspired synthesis of polyzwitterion/titania functionalized carbon nanotube membrane with superwetting property for efficient oil-in-water emulsion separation. <i>Journal of Membrane Science</i> , 2019, 589, 117257.	8.2	77
71	FeMoO ₄ -graphene oxide photo-electro-catalyst for berberine removal and hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 19755-19761.	7.1	20
72	Enhancing anaerobic degradation of phenol to methane via solubilizing Fe(III) oxides for dissimilatory iron reduction with organic chelates. <i>Bioresource Technology</i> , 2019, 291, 121858.	9.6	38

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73	Point-by-point comparisons of permselectivity and fouling-resistance of membranes prepared from blending with di-block and tri-block copolymers. <i>Polymer</i> , 2019, 185, 121949.	3.8	4
74	An ideal visible nanocomposite (Fe/GTiP) photoanode catalyst for treatment of antibiotics in water and simultaneous electricity generation in the photocatalytic fuel cell. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 21703-21715.	7.1	17
75	Coupling the phenolic oxidation capacities of a bacterial consortium and in situ-generated manganese oxides in a moving bed biofilm reactor (MBBR). <i>Water Research</i> , 2019, 166, 115047.	11.3	51
76	Comparison of rhizosphere bacterial communities of reed and Suaeda in Shuangtaizi River Estuary, Northeast China. <i>Marine Pollution Bulletin</i> , 2019, 140, 171-178.	5.0	31
77	Fate of 6:2 fluorotelomer sulfonic acid in pumpkin (<i>Cucurbita maxima</i> L.) based on hydroponic culture: Uptake, translocation and biotransformation. <i>Environmental Pollution</i> , 2019, 252, 804-812.	7.5	28
78	Accumulation, biodegradation and toxicological effects of N-ethyl perfluorooctane sulfonamidoethanol on the earthworms <i>Eisenia fetida</i> exposed to quartz sands. <i>Ecotoxicology and Environmental Safety</i> , 2019, 181, 138-145.	6.0	14
79	One-pot synthesis of Ag-H ₃ PW ₁₂ O ₄₀ -LiCoO ₂ composites for thermal oxidation of airborne benzene. <i>Chemical Engineering Journal</i> , 2019, 375, 121956.	12.7	16
80	A free-standing 3D nano-composite photo-electrode Ag/ZnO nanorods arrays on Ni foam effectively degrade berberine. <i>Chemical Engineering Journal</i> , 2019, 373, 179-191.	12.7	57
81	Sensitive and Selective Electrochemical Sensor Based on Molecularly Imprinted Polypyrrole Hybrid Nanocomposites for Tetrabromobisphenol A Detection. <i>Analytical Letters</i> , 2019, 52, 2506-2523.	1.8	11
82	Persulfate enhanced pollutants oxidation efficiency and power generation in photocatalytic fuel cell with anodic BiOCl/BiOI and cathodic copper cobalt oxide. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 101, 31-40.	5.3	24
83	Amino-modified hollow mesoporous silica nanospheres-incorporated reverse osmosis membrane with high performance. <i>Journal of Membrane Science</i> , 2019, 581, 168-177.	8.2	57
84	Thin film nanocomposite reverse osmosis membrane incorporated with UiO-66 nanoparticles for enhanced boron removal. <i>Journal of Membrane Science</i> , 2019, 580, 101-109.	8.2	123
85	Hyperspectral Imaging Based Method for Rapid Detection of Microplastics in the Intestinal Tracts of Fish. <i>Environmental Science & Technology</i> , 2019, 53, 5151-5158.	10.0	62
86	Toxicity and haemolytic activity of a newly described dinoflagellate, <i>Heterocapsa bohainensis</i> to the rotifer <i>Brachionus plicatilis</i> . <i>Harmful Algae</i> , 2019, 84, 112-118.	4.8	9
87	Synergy of Lithium, Cobalt, and Oxygen Vacancies in Lithium Cobalt Oxide for Airborne Benzene Oxidation: A Concept of Reusing Electronic Wastes for Air Pollutant Removal. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5072-5081.	6.7	23
88	The performance of Pd-rGO electro-deposited PVDF/carbon fiber cloth composite membrane in MBR/MFC coupled system. <i>Chemical Engineering Journal</i> , 2019, 365, 317-324.	12.7	42
89	Enhanced Rhodamine B and coking wastewater degradation and simultaneous electricity generation via anodic g-C ₃ N ₄ /FeO(1%)/TiO ₂ and cathodic WO ₃ in photocatalytic fuel cell system under visible light irradiation. <i>Electrochimica Acta</i> , 2019, 298, 430-439.	5.2	32
90	Simple and rapid detection of microplastics in seawater using hyperspectral imaging technology. <i>Analytica Chimica Acta</i> , 2019, 1050, 161-168.	5.4	80

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91	Preparation of gold catalyst by electrodeposition in [BMIm][TfO] ionic liquid electrolyte: an insightful study of theoretical calculations and experiments. <i>Ionics</i> , 2019, 25, 1407-1412.	2.4	2
92	Facile and green synthetic strategy of birnessite-type MnO ₂ with high efficiency for airborne benzene removal at low temperatures. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 569-582.	20.2	140
93	Catalytic Ozonation of NO with Low Concentration Ozone over Recycled SAPO-34 Supported Iron Oxide. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 1525-1534.	3.7	17
94	Fabrication of high efficiency visible light Z-scheme heterostructure photocatalyst g-C ₃ N ₄ /FeO(1%)/TiO ₂ and degradation of rhodamine B and antibiotics. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 96, 463-472.	5.3	35
95	Complete Genome Sequence of <i>Bacillus cereus</i> CC-1, A Novel Marine Selenate/Selenite Reducing Bacterium Producing Metallic Selenides Nanomaterials. <i>Current Microbiology</i> , 2019, 76, 78-85.	2.2	16
96	Biodegradation characteristics and genomic functional analysis of indole-degrading bacterial strain <i>Acinetobacter</i> sp. JW. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 1114-1122.	3.2	16
97	Efficient degradation of rhodamine B with sustainable electricity generation in a photocatalytic fuel cell using visible light Ag ₃ PO ₄ /Fe/GTiP photoanode and ZnIn ₂ S ₄ photocathode. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 96, 137-147.	5.3	21
98	Visible-light photocatalytic fuel cell with Z-scheme g-C ₃ N ₄ /FeO/TiO ₂ anode and WO ₃ cathode efficiently degrades berberine chloride and stably generates electricity. <i>Separation and Purification Technology</i> , 2019, 212, 774-782.	7.9	29
99	Different behaviors of birnessite-type MnO ₂ modified by Ce and Mo for removing carcinogenic airborne benzene. <i>Materials Chemistry and Physics</i> , 2019, 221, 457-466.	4.0	19
100	Catalytic Electrode Membrane and Applications in Fuel Cell Type Reactors for 3 Phases Pollution Control. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
101	Phenol removal performance and microbial community shift during pH shock in a moving bed biofilm reactor (MBBR). <i>Journal of Hazardous Materials</i> , 2018, 351, 71-79.	12.4	38
102	Bioremediation of nitrogen-containing organic pollutants using phenol-stimulated activated sludge: performance and microbial community analysis. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 3199-3207.	3.2	20
103	Novel carbon fiber cathode membrane with Fe/Mn/C/F/O elements in bio-electrochemical system (BES) to enhance wastewater treatment. <i>Journal of Power Sources</i> , 2018, 379, 123-133.	7.8	31
104	Development of a novel carbon-based conductive membrane with in-situ formed MnO ₂ catalyst for wastewater treatment in bio-electrochemical system (BES). <i>Journal of Membrane Science</i> , 2018, 549, 533-542.	8.2	46
105	Uptake, translocation and biotransformation of N-ethyl perfluorooctanesulfonamide (N-EtFOSA) by hydroponically grown plants. <i>Environmental Pollution</i> , 2018, 235, 404-410.	7.5	47
106	Bacteria-Mediated Ultrathin Bi ₂ Se ₃ Nanosheets Fabrication and Their Application in Photothermal Cancer Therapy. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4863-4870.	6.7	32
107	A novel way to rapidly monitor microplastics in soil by hyperspectral imaging technology and chemometrics. <i>Environmental Pollution</i> , 2018, 238, 121-129.	7.5	138
108	Significant photocatalytic degradation and electricity generation in the photocatalytic fuel cell (PFC) using novel anodic nanocomposite of Fe, graphene oxide, and titanium phosphate. <i>Electrochimica Acta</i> , 2018, 271, 41-48.	5.2	71

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109	A novel bio-electrochemical system with sand/activated carbon separator, Al anode and bio-anode integrated micro-electrolysis/electro-flocculation cost effectively treated high load wastewater with energy recovery. <i>Bioresource Technology</i> , 2018, 249, 24-34.	9.6	24
110	CFC/PVDF/GO-Fe ³⁺ membrane electrode and flow-through system improved E-Fenton performance with a low dosage of aqueous iron. <i>Separation and Purification Technology</i> , 2018, 193, 220-231.	7.9	22
111	Simultaneous Determination of Bisphenol A and Bisphenol S Using Multi-Walled Carbon Nanotubes Modified Electrode. <i>International Journal of Electrochemical Science</i> , 2018, 13, 11906-11922.	1.3	22
112	The Anti-Fouling Effect of Surfactants and Its Application for Electrochemical Detection of Bisphenol A. <i>Journal of the Electrochemical Society</i> , 2018, 165, B814-B823.	2.9	16
113	Tuning the interlayer cations of birnessite-type MnO ₂ to enhance its oxidation ability for gaseous benzene with water resistance. <i>Catalysis Science and Technology</i> , 2018, 8, 5344-5358.	4.1	48
114	Efficient gas phase VOC removal and electricity generation in an integrated bio-photo-electro-catalytic reactor with bio-anode and TiO ₂ photo-electro-catalytic air cathode. <i>Bioresource Technology</i> , 2018, 270, 554-561.	9.6	32
115	Uptake, elimination and biotransformation of N-ethyl perfluorooctane sulfonamide (N-EtFOSA) by the earthworms (<i>Eisenia fetida</i>) after in vivo and in vitro exposure. <i>Environmental Pollution</i> , 2018, 241, 19-25.	7.5	18
116	Metal-polyphenol coordination networks: Towards engineering of antifouling hybrid membranes via in situ assembly. <i>Journal of Membrane Science</i> , 2018, 563, 435-446.	8.2	42
117	Biotransformation and responses of antioxidant enzymes in hydroponically cultured soybean and pumpkin exposed to perfluorooctane sulfonamide (FOSA). <i>Ecotoxicology and Environmental Safety</i> , 2018, 161, 669-675.	6.0	28
118	Pt/TiO ₂ -ZnO in a circuit Photo-electro-catalytically removed HCHO for outstanding indoor air purification. <i>Separation and Purification Technology</i> , 2018, 206, 316-323.	7.9	24
119	Dopamine-induced biomimetic mineralization for in situ developing antifouling hybrid membrane. <i>Journal of Membrane Science</i> , 2018, 560, 47-57.	8.2	61
120	Morphology-tunable tellurium nanomaterials produced by the tellurite-reducing bacterium <i>Lysinibacillus</i> sp. ZYM-1. <i>Environmental Science and Pollution Research</i> , 2018, 25, 20756-20768.	5.3	13
121	Effects of combined exposure to perfluoroalkyl acids and heavy metals on bioaccumulation and subcellular distribution in earthworms (<i>Eisenia fetida</i>) from co-contaminated soil. <i>Environmental Science and Pollution Research</i> , 2018, 25, 29335-29344.	5.3	13
122	Environmental decontamination using photocatalytic fuel cells and photoelectrocatalysis in microbial fuel cells. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 3336-3346.	3.2	12
123	Characterization of Selenite Reduction by <i>Lysinibacillus</i> sp. ZYM-1 and Photocatalytic Performance of Biogenic Selenium Nanospheres. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2535-2543.	6.7	40
124	Nanocarbon based composite electrodes and their application in microbial fuel cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12673-12698.	10.3	80
125	Development of a novel proton exchange membrane-free integrated MFC system with electric membrane bioreactor and air contact oxidation bed for efficient and energy-saving wastewater treatment. <i>Bioresource Technology</i> , 2017, 238, 472-483.	9.6	50
126	A composite cathode membrane with CoFe ₂ O ₄ rGO/PVDF on carbon fiber cloth: synthesis and performance in a photocatalysis-assisted MFC-MBR system. <i>Environmental Science: Nano</i> , 2017, 4, 335-345.	4.3	33

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127	Preparation and application of epitope magnetic molecularly imprinted polymers for enrichment of sulfonamide antibiotics in water. <i>Electrophoresis</i> , 2017, 38, 2462-2467.	2.4	13
128	Interface modulation of bacteriogenic Ag/AgCl nanoparticles by boosting the catalytic activity for reduction reactions using Co ²⁺ ions. <i>Chemical Communications</i> , 2017, 53, 4946-4949.	4.1	9
129	Heterojunction between anodic TiO ₂ /g-C ₃ N ₄ and cathodic WO ₃ /W nano-catalysts for coupled pollutant removal in a self-biased system. <i>Chinese Journal of Catalysis</i> , 2017, 38, 270-277.	14.0	33
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