

Lifen Liu

List of Publications by Year in descending order

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217
papers

8,014
citations

53939

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all docs

221
docs citations

221
times ranked

9584
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.	3.9	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.	1.6	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.	2.7	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.	6.5	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.	10.8	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.	3.8	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.	3.9	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.	4.6	16
9	Theoretical study of the solubility of Pt salts in ionic liquids and deep eutectic solvents. Ionics, 2022, 28, 1985-1997.	1.2	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.	4.0	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.	3.3	8
12	Electroreduction recovery of gold, platinum and palladium and electrooxidation removal of cyanide using a bioelectrochemical system. Bioresource Technology Reports, 2022, 18, 101007.	1.5	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.	10.8	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.	4.8	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.	4.1	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.	6.6	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.	3.2	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.	3.9	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.	3.7	18
20	Surface modification of reverse osmosis membrane with tannic acid for improving chlorine resistance. <i>Desalination</i> , 2021, 498, 114639.	4.0	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.	4.8	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.	1.6	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.	5.2	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.	2.3	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.	3.8	28
26	Magnetite drives self-dechlorination of 4-chlorophenol in anoxic aquatic sediments. <i>Chemosphere</i> , 2021, 273, 129668.	4.2	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.	3.9	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.	4.1	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.	3.9	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.	4.1	20
31	Progress on catalytic electrodes and fuel cell systems for industrial wastewater treatment. <i>Chinese Science Bulletin</i> , 2021, 66, 2378-2392.	0.4	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.	4.1	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.	4.2	15
34	Theoretical investigation of methanol oxidation on Pt and PtNi catalysts. <i>Ionics</i> , 2020, 26, 1325-1336.	1.2	9
35	Solvent activation before heat-treatment for improving reverse osmosis membrane performance. <i>Journal of Membrane Science</i> , 2020, 595, 117565.	4.1	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.	3.9	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.	2.5	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.	2.3	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.	2.3	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.	3.9	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.	6.6	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.	4.8	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.	4.2	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.	6.5	26
45	Enhanced removal of copper by electroflocculation and electroreduction in a novel bioelectrochemical system assisted microelectrolysis. <i>Bioresource Technology</i> , 2020, 297, 122507.	4.8	20
46	Applications of tannic acid in membrane technologies: A review. <i>Advances in Colloid and Interface Science</i> , 2020, 284, 102267.	7.0	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.	2.6	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.	2.3	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.	3.3	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.	1.8	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.	3.2	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.	3.7	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.	2.7	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.	4.2	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.	4.2	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.	6.6	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.	6.5	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.	3.9	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.	1.7	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.	1.6	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.	4.8	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.	4.1	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.	4.0	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.	4.1	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.	5.2	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.	3.1	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.	1.8	4
68	Electricity generating & high efficiency advanced oxidation process including peroxymonosulfate activation in photocatalytic fuel cell. <i>Chemical Engineering Journal</i> , 2019, 378, 122148.	6.6	40
69	Preparation of isoporous membranes from low χ block copolymers via co-assembly with H-bond interacting homopolymers. <i>Journal of Membrane Science</i> , 2019, 589, 117255.	4.1	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.	4.1	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.	3.8	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.	4.8	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.	1.8	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.	3.8	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.	5.3	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.	2.3	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.	3.7	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.	2.9	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.	6.6	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.	6.6	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.	1.0	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.	2.7	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.	4.1	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.	4.1	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.	4.6	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.	2.2	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.	3.2	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.	6.6	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.	2.6	32
90	Simple and rapid detection of microplastics in seawater using hyperspectral imaging technology. <i>Analytica Chimica Acta</i> , 2019, 1050, 161-168.	2.6	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.	1.2	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.	10.8	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.	1.8	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.	2.7	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.	1.0	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.	1.6	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.	2.7	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.	3.9	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.	2.0	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.	6.5	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.	1.6	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.	4.0	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.	4.1	46
105	Uptake, translocation and biotransformation of N-ethyl perfluorooctanesulfonamide (N-EtFOSA) by hydroponically grown plants. <i>Environmental Pollution</i> , 2018, 235, 404-410.	3.7	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.	3.2	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.	3.7	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.	2.6	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.	4.8	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.	3.9	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.	0.5	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.	1.3	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.	2.1	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.	4.8	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.	3.7	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.	4.1	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.	2.9	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.	3.9	24
119	Dopamine-induced biomimetic mineralization for in situ developing antifouling hybrid membrane. <i>Journal of Membrane Science</i> , 2018, 560, 47-57.	4.1	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.	2.7	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.	2.7	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.	1.6	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.	3.2	40
124	Nanocarbon based composite electrodes and their application in microbial fuel cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12673-12698.	5.2	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.	4.8	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.	2.2	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.	1.3	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.	2.2	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.	6.9	33
130	Interaction effects on uptake and toxicity of perfluoroalkyl substances and cadmium in wheat (<i>Triticum aestivum</i> L.) and rapeseed (<i>Brassica campestris</i> L.) from co-contaminated soil. <i>Ecotoxicology and Environmental Safety</i> , 2017, 137, 194-201.	2.9	60
131	Development of a detection method based on dielectric spectroscopy for real-time monitoring of meta-cresol contamination in beach-sand. <i>Sensors and Actuators A: Physical</i> , 2017, 268, 16-26.	2.0	8
132	A bio-electrochemical membrane system for more sustainable wastewater treatment with MnO ₂ /PANI modified stainless steel cathode and photosynthetic provision of dissolved oxygen by algae. <i>Water Science and Technology</i> , 2017, 76, 1907-1914.	1.2	8
133	Destruction of tetracycline hydrochloride antibiotics by FeOOH/TiO ₂ granular activated carbon as expanded cathode in low-cost MBR/MFC coupled system. <i>Journal of Membrane Science</i> , 2017, 525, 202-209.	4.1	63
134	A novel two-dimensional polyrotaxane network self-assembled by heterowheel [4]pseudorotaxane. <i>Supramolecular Chemistry</i> , 2017, 29, 176-182.	1.5	2
135	Treatment of Oil Wastewater and Electricity Generation by Integrating Constructed Wetland with Microbial Fuel Cell. <i>Materials</i> , 2016, 9, 885.	1.3	43
136	An electrochemical process that uses an FeO/TiO ₂ cathode to degrade typical dyes and antibiotics and a bio-anode that produces electricity. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 1.	3.3	38
137	A novel conductive membrane with RGO/PVDF coated on carbon fiber cloth for fouling reduction with electric field in separating polyacrylamide. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	2
138	Oxygen Reduction at Carbon Nanotubes (CNTs)/Cobaltous Phthalocyanine (CoPc) and MFC Electricity Generation Affected by Air-Cathode Catalyst Layer Structure. <i>Journal of the Electrochemical Society</i> , 2016, 163, F1209-F1216.	1.3	0
139	Identification of intermediates and transformation pathways derived from photocatalytic degradation of five antibiotics on ZnIn ₂ S ₄ . <i>Chemical Engineering Journal</i> , 2016, 304, 826-840.	6.6	121
140	A self-biased fuel cell with TiO ₂ /g-C ₃ N ₄ anode catalyzed alkaline pollutant degradation with light and without light. What is the degradation mechanism?. <i>Electrochimica Acta</i> , 2016, 210, 122-129.	2.6	36
141	High flux carbon fiber cloth membrane with thin catalyst coating integrates bio-electricity generation in wastewater treatment. <i>Journal of Membrane Science</i> , 2016, 505, 130-137.	4.1	44
142	Acclimation of a marine microbial consortium for efficient Mn(II) oxidation and manganese containing particle production. <i>Journal of Hazardous Materials</i> , 2016, 304, 434-440.	6.5	41
143	Preparation of a nano-MnO ₂ surface-modified reduced graphene oxide/PVDF flat sheet membrane for adsorptive removal of aqueous Ni(II). <i>RSC Advances</i> , 2016, 6, 20542-20550.	1.7	14
144	Energy-efficient degradation of rhodamine B in a LED illuminated photocatalytic fuel cell with anodic Ag/AgCl/GO and cathodic ZnIn ₂ S ₄ catalysts. <i>RSC Advances</i> , 2016, 6, 12068-12075.	1.7	43

#	ARTICLE	IF	CITATIONS
145	The tubular MFC with carbon tube air-cathode for power generation and N-dimethylacetamide treatment. <i>Environmental Technology</i> (United Kingdom), 2016, 37, 762-767.	1.2	7
146	Polyaniline/reduced graphene oxide/Fe ₃ O ₄ nano-composite for aqueous Hg(II) removal. <i>Water Science and Technology</i> , 2015, 72, 2062-2070.	1.2	21
147	Performance of carbon fiber cathode membrane with Mn-Fe-O catalyst in MBR-MFC for wastewater treatment. <i>Journal of Membrane Science</i> , 2015, 484, 27-34.	4.1	72
148	Catalytic and filterable polyester-filter membrane electrode with a high performance carbon foam-Fe-Co catalyst improved electricity generation and waste-water treatment in MBR-MFC. <i>RSC Advances</i> , 2015, 5, 48946-48953.	1.7	16
149	PVDF layer as a separator on the solution-side of air-cathodes: the electricity generation, fouling and regeneration. <i>RSC Advances</i> , 2015, 5, 52361-52368.	1.7	13
150	Synthesis of quaternary ammonium hydroxide from its halide salt by bipolar membrane electro dialysis (BMED): effect of molecular structure of ammonium compounds on the process performance. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 841-850.	1.6	17
151	Enhancing membrane performance by blending ATRP grafted PMMA-TiO ₂ or PMMA-PSBMA-TiO ₂ in PVDF. <i>Separation and Purification Technology</i> , 2014, 133, 22-31.	3.9	40
152	PPy/AQS (9, 10-anthraquinone-2-sulfonic acid) and PPy/ARS (Alizarin Red's) modified stainless steel mesh as cathode membrane in an integrated MBR/MFC system. <i>Desalination</i> , 2014, 349, 94-101.	4.0	34
153	Removal of aqueous Hg(II) and Cr(VI) using phytic acid doped polyaniline/cellulose acetate composite membrane. <i>Journal of Hazardous Materials</i> , 2014, 280, 20-30.	6.5	120
154	Integration of microbial fuel cell with independent membrane cathode bioreactor for power generation, membrane fouling mitigation and wastewater treatment. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 17865-17872.	3.8	52
155	Highly conductive graphene/PANI-phytic acid modified cathodic filter membrane and its antifouling property in EMBR in neutral conditions. <i>Desalination</i> , 2014, 338, 10-16.	4.0	62
156	Photocatalytic degradation of 2,4,6-tribromophenol on Fe ₂ O ₃ or FeOOH doped ZnIn ₂ S ₄ heterostructure: Insight into degradation mechanism. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 929-939.	10.8	51
157	Power generation enhanced by a polyaniline-phytic acid modified filter electrode integrating microbial fuel cell with membrane bioreactor. <i>Separation and Purification Technology</i> , 2014, 132, 213-217.	3.9	22
158	Polydopamine coating Surface modification of polyester filter and fouling reduction. <i>Separation and Purification Technology</i> , 2013, 118, 226-233.	3.9	51
159	A photo-catalysis and rotating nano-CaCO ₃ dynamic membrane system with Fe-ZnIn ₂ S ₄ efficiently removes halogenated compounds in water. <i>Applied Catalysis B: Environmental</i> , 2013, 138-139, 62-69.	10.8	26
160	Oleophilic Polyurethane Foams for Oil Spill Cleanup. <i>Procedia Environmental Sciences</i> , 2013, 18, 528-533.	1.3	64
161	A pilot-scale study on nitrogen removal from dry-spun acrylic fiber wastewater using anammox process. <i>Chemical Engineering Journal</i> , 2013, 222, 32-40.	6.6	25
162	Conductive and hydrophilic polypyrrole modified membrane cathodes and fouling reduction in MBR. <i>Journal of Membrane Science</i> , 2013, 429, 252-258.	4.1	61

#	ARTICLE	IF	CITATIONS
163	Covalent assembly of 3D graphene/polypyrrole foams for oil spill cleanup. Journal of Materials Chemistry A, 2013, 1, 3446.	5.2	135
164	The use of BMED for glyphosate recovery from glyphosate neutralization liquor in view of zero discharge. Journal of Hazardous Materials, 2013, 260, 660-667.	6.5	74
165	E-Fenton degradation of MB during filtration with Gr/PPy modified membrane cathode. Chemical Engineering Journal, 2013, 230, 491-498.	6.6	74
166	A Study on the Reduction Behaviors of Cr(VI) on Fe ₃ O ₄ /PANI. Procedia Environmental Sciences, 2013, 18, 522-527.	1.3	16
167	Photocatalysis and Rotating Dynamic Membrane Hybrid System with Fe-ZnIn ₂ S ₄ Efficiently Removes 2,4,6-Tribromophenol in Water: Effect of Dynamic Membrane. Procedia Environmental Sciences, 2013, 18, 509-514.	1.3	4
168	Integration of bio-electrochemical cell in membrane bioreactor for membrane cathode fouling reduction through electricity generation. Journal of Membrane Science, 2013, 430, 196-202.	4.1	99
169	Preparation of polyaniline/reduced graphene oxide nanocomposite and its application in adsorption of aqueous Hg(II). Chemical Engineering Journal, 2013, 229, 460-468.	6.6	165
170	Preparation of highly conductive cathodic membrane with graphene (oxide)/PPy and the membrane antifouling property in filtrating yeast suspensions in EMBR. Journal of Membrane Science, 2013, 437, 99-107.	4.1	99
171	Photocatalytic degradation of 2,4,6-tribromophenol over Fe-doped ZnIn ₂ S ₄ : Stable activity and enhanced debromination. Applied Catalysis B: Environmental, 2013, 129, 89-97.	10.8	108
172	Enhanced electricity generation by triclosan and iron anodes in the three-chambered membrane bio-chemical reactor (TC-MBCR). Bioresource Technology, 2013, 147, 409-415.	4.8	16
173	Hydrodynamic Modeling of the Helical Membrane Modules. , 2013, , .		0
174	The Antifouling Properties of PVA/PVAm Modified Polyester Membrane. Procedia Engineering, 2012, 44, 1426-1427.	1.2	1
175	Membrane Bioreactor Coupled with Microbial Fuel Cell for Enhancing Treatment Efficiency and Reducing Energy Consumption. Procedia Engineering, 2012, 44, 273-274.	1.2	0
176	Membrane Modification Using Polydopamine and/or PDA Coated TiO ₂ Nano Particles for Wastewater Treatment. Procedia Engineering, 2012, 44, 1431-1432.	1.2	10
177	Preparation of Highly Conductive Cathodic Membrane with Graphene (Oxide)/PPy and the Membrane Antifouling Property in Filtrating Yeast Suspensions in EMBR. Procedia Engineering, 2012, 44, 1428-1430.	1.2	1
178	Effects of ATRP Grafted PMMA-co-PSBMA-TiO ₂ Nano particles on the Property and Performance of PVDF Microfiltration Membranes. Procedia Engineering, 2012, 44, 1932-1933.	1.2	1
179	Performance Evaluation in Concentrating PEG Solutions using Forward Osmosis Membrane and Different Draw Solutions. Procedia Engineering, 2012, 44, 1930-1931.	1.2	0
180	TiO ₂ and polyvinyl alcohol (PVA) coated polyester filter in bioreactor for wastewater treatment. Water Research, 2012, 46, 1969-1978.	5.3	74

#	ARTICLE	IF	CITATIONS
181	A facile two-step electroreductive synthesis of anthraquinone/graphene nanocomposites as efficient electrocatalyst for O ₂ reduction in neutral medium. <i>Electrochemistry Communications</i> , 2012, 22, 69-72.	2.3	34
182	Cathode membrane fouling reduction and sludge property in membrane bioreactor integrating electrocoagulation and electrostatic repulsion. <i>Separation and Purification Technology</i> , 2012, 100, 44-50.	3.9	57
183	Photocatalytic degradation of 2,4-dichlorophenol using nanoscale Fe/TiO ₂ . <i>Chemical Engineering Journal</i> , 2012, 181-182, 189-195.	6.6	113
184	Rotating a helical membrane for turbulence enhancement and fouling reduction. <i>Chemical Engineering Journal</i> , 2012, 181-182, 486-493.	6.6	20
185	Hydrophobic modification of polyurethane foam for oil spill cleanup. <i>Marine Pollution Bulletin</i> , 2012, 64, 1648-1653.	2.3	127
186	Minute electric field reduced membrane fouling and improved performance of membrane bioreactor. <i>Separation and Purification Technology</i> , 2012, 86, 106-112.	3.9	124
187	The configuration and application of helical membrane modules in MBR. <i>Journal of Membrane Science</i> , 2012, 392-393, 112-121.	4.1	24
188	Fouling reductions in a membrane bioreactor using an intermittent electric field and cathodic membrane modified by vapor phase polymerized pyrrole. <i>Journal of Membrane Science</i> , 2012, 394-395, 202-208.	4.1	103
189	Wet air oxidation of pretreatment of pharmaceutical wastewater by Cu ²⁺ and [P W O] ^{•-} co-catalyst system. <i>Journal of Hazardous Materials</i> , 2012, 217-218, 366-373.	6.5	26
190	Enhanced Electrocatalytic Performance of Anthraquinonemonosulfonate-Doped Polypyrrole Composite: Electroanalysis for the Specific Roles of Anthraquinone Derivative and Polypyrrole Layer on Oxygen Reduction Reaction. <i>Electroanalysis</i> , 2011, 23, 355-363.	1.5	25
191	Adsorptive removal and oxidation of organic pollutants from water using a novel membrane. <i>Chemical Engineering Journal</i> , 2010, 156, 553-556.	6.6	22
192	Adsorptive removal of 2,4-DCP from water by fresh or regenerated chitosan/ACF/TiO ₂ membrane. <i>Separation and Purification Technology</i> , 2010, 70, 354-361.	3.9	41
193	A new helical membrane module for increasing permeate flux. <i>Journal of Membrane Science</i> , 2010, 360, 142-148.	4.1	19
194	Operational optimization of air conditioning cooling water system with UF-RO desalination. <i>Desalination</i> , 2010, 251, 53-57.	4.0	10
195	Non-LIV germicidal activity of fresh TiO ₂ and Ag/TiO ₂ . <i>Journal of Environmental Sciences</i> , 2009, 21, 700-706.	3.2	15
196	Anthraquinonedisulfonate Doped Polyaniline as an Acceptor-Donor System for Electrocatalysis of Oxygen Reduction. <i>Electroanalysis</i> , 2009, 21, 1035-1040.	1.5	9
197	Electrocatalytic Reduction of Oxygen at Anthraquinonedisulfonate/Polypyrrole Composite Film Modified Electrodes and Its Application to the Electrochemical Oxidation of Azo Dye. <i>Electroanalysis</i> , 2009, 21, 2420-2426.	1.5	4
198	Hydrophilic and antibacterial properties of polyvinyl alcohol/4-vinylpyridine graft polymer modified polypropylene non-woven fabric membranes. <i>Journal of Membrane Science</i> , 2009, 345, 223-232.	4.1	82

#	ARTICLE	IF	CITATIONS
199	Effects of poly-1,5-diaminoanthraquinone morphology on oxygen reduction in acidic solution. <i>Electrochimica Acta</i> , 2009, 54, 2224-2228.	2.6	17
200	Comparative study of Fe ²⁺ /H ₂ O ₂ and Fe ³⁺ /H ₂ O ₂ electro-oxidation systems in the degradation of amaranth using anthraquinone/polypyrrole composite film modified graphite cathode. <i>Journal of Electroanalytical Chemistry</i> , 2009, 632, 154-161.	1.9	37
201	Terylene membrane modification with Polyrotaxanes, TiO ₂ and Polyvinyl alcohol for better antifouling and adsorption property. <i>Journal of Membrane Science</i> , 2009, 333, 110-117.	4.1	19
202	Toluene recovery from simulated gas effluent using POMS membrane separation technique. <i>Separation and Purification Technology</i> , 2009, 66, 411-416.	3.9	11
203	Recovery of L-tryptophan from crystallization wastewater by combined membrane process. <i>Separation and Purification Technology</i> , 2009, 66, 443-449.	3.9	27
204	Simultaneous photocatalytic removal of ammonium and nitrite in water using Ce ³⁺ -Ag ⁺ modified TiO ₂ . <i>Separation and Purification Technology</i> , 2009, 67, 244-248.	3.9	13
205	Stable photocatalytic activity of immobilized FeO/TiO ₂ /ACF on composite membrane in degradation of 2,4-dichlorophenol. <i>Separation and Purification Technology</i> , 2009, 70, 173-178.	3.9	47
206	Electro-Fenton degradation of azo dye using polypyrrole/anthraquinonedisulphonate composite film modified graphite cathode in acidic aqueous solutions. <i>Electrochimica Acta</i> , 2008, 53, 5155-5161.	2.6	104
207	Fibrous TiO ₂ prepared by chemical vapor deposition using activated carbon fibers as template via adsorption, hydrolysis and calcinations. <i>Journal of Zhejiang University: Science A</i> , 2008, 9, 981-987.	1.3	4
208	Effects of COD/N ratio and DO concentration on simultaneous nitrification and denitrification in an airlift internal circulation membrane bioreactor. <i>Journal of Environmental Sciences</i> , 2008, 20, 933-939.	3.2	69
209	Electrocatalytic Behavior of the Bare and the Anthraquinonedisulfonate/Polypyrrole Composite Film Modified Graphite Cathodes in the Electro-Fenton System. <i>Journal of Physical Chemistry C</i> , 2008, 112, 8957-8962.	1.5	36
210	Electrochemical Characteristics and Stability of Poly(1,5-diaminoanthraquinone) in Acidic Aqueous Solution. <i>Journal of Physical Chemistry C</i> , 2008, 112, 4018-4018.	1.5	2
211	Photocatalytic Removal of Nitrate from Water using FeO/TiO ₂ . , 2008, , .		3
212	Electrochemical Characteristics and Stability of Poly(1,5-diaminoanthraquinone) in Acidic Aqueous Solution. <i>Journal of Physical Chemistry C</i> , 2007, 111, 17268-17274.	1.5	19
213	Characterization of Cake Layer in Submerged Membrane Bioreactor. <i>Environmental Science & Technology</i> , 2007, 41, 4065-4070.	4.6	230
214	Non-UV based germicidal activity of metal-doped TiO ₂ coating on solid surfaces. <i>Journal of Environmental Sciences</i> , 2007, 19, 745-750.	3.2	39
215	Purification and characterization of a cysteine-like protease from the body wall of the sea cucumber <i>Stichopus japonicus</i> . <i>Fish Physiology and Biochemistry</i> , 2007, 33, 181-188.	0.9	24
216	Comparison between a sequencing batch membrane bioreactor and a conventional membrane bioreactor. <i>Process Biochemistry</i> , 2006, 41, 87-95.	1.8	61

#	ARTICLE	IF	CITATIONS
217	Simple heat profiles and biogeochemical patterns for analysis the influence on soil microbial community of plastic-greenhouse and open field condition. Emirates Journal of Food and Agriculture, 0, , 960.	1.0	1