

Xie Quan

List of Publications by Year in descending order

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578
papers

39,648
citations

1893

102
h-index

6300

158
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582
all docs

582
docs citations

582
times ranked

33246
citing authors

#	ARTICLE	IF	CITATIONS
1	Electroconductive RGO-MXene membranes with wettability-regulated channels: improved water permeability and electro-enhanced rejection performance. <i>Frontiers of Environmental Science and Engineering</i> , 2023, 17, .	6.0	12
2	Multiple application of SAzyme based on carbon nitride nanorod-supported Pt single-atom for H ₂ O ₂ detection, antibiotic detection and antibacterial therapy. <i>Chemical Engineering Journal</i> , 2022, 427, 131572.	12.7	42
3	Enhancing anoxic denitrification of low C/N ratio wastewater with novel ZVI composite carriers. <i>Journal of Environmental Sciences</i> , 2022, 112, 180-191.	6.1	23
4	Enhanced degradation of organic water pollutants by photocatalytic in-situ activation of sulfate based on Z-scheme g-C ₃ N ₄ /BiPO ₄ . <i>Chemical Engineering Journal</i> , 2022, 428, 132116.	12.7	48
5	Accelerating anaerobic hydrolysis acidification of dairy wastewater in integrated floating-film and activated sludge (IFFAS) by using zero-valent iron (ZVI) composite carriers. <i>Biochemical Engineering Journal</i> , 2022, 177, 108226.	3.6	26
6	Treatment of organic wastewater by a synergic electrocatalysis process with Ti ³⁺ self-doped TiO ₂ nanotube arrays electrode as both cathode and anode. <i>Journal of Hazardous Materials</i> , 2022, 424, 127747.	12.4	22
7	Robust ultrathin nanoporous MOF membrane with intra-crystalline defects for fast water transport. <i>Nature Communications</i> , 2022, 13, 266.	12.8	76
8	Electro-Fenton improving fouling mitigation and microalgae harvesting performance in a novel membrane photobioreactor. <i>Water Research</i> , 2022, 210, 117955.	11.3	10
9	Enhancing the formation of simultaneous nitrification and denitrification (SND) biofilm and nitrogen removal performance using two-units IFFAS process filled with surface-modified carriers. <i>Biochemical Engineering Journal</i> , 2022, 179, 108316.	3.6	9
10	Design Principles and Strategies of Photocatalytic H ₂ O ₂ Production from O ₂ Reduction. <i>ACS ES&T Engineering</i> , 2022, 2, 1068-1079.	7.6	51
11	Fabrication of FeOCl nanoparticles modified microchannel carbon cathode for flow-through electro-Fenton degradation of refractory organic pollutants. <i>Separation and Purification Technology</i> , 2022, 288, 120661.	7.9	23
12	Synergistic induced charge transfer switch by oxygen vacancy and pyrrolic nitrogen in MnFe ₂ O ₄ /g-C ₃ N ₄ heterojunctions for efficient transformation of bicarbonate to acetate in photo-assisted MES. <i>Applied Catalysis B: Environmental</i> , 2022, 307, 121214.	20.2	35
13	Enhancing anaerobic methane production in integrated floating-film activated sludge system filled with novel MWCNTs-modified carriers. <i>Chemosphere</i> , 2022, 299, 134483.	8.2	6
14	Non-doping 3D porous carbon with rich intrinsic defects for efficient nonradical activation of peroxymonosulfate toward the degradation of organic pollutants. <i>Separation and Purification Technology</i> , 2022, 292, 121048.	7.9	19
15	High-efficiency electrochemical activation of H ₂ O ₂ into \cdot OH enabled by flow-through FeOCl-modified carbon electrode for organic pollutants degradation. <i>Separation and Purification Technology</i> , 2022, 295, 121279.	7.9	6
16	Selective molecular separation with conductive MXene/CNT nanofiltration membranes under electrochemical assistance. <i>Journal of Membrane Science</i> , 2022, 658, 120719.	8.2	26
17	Electro-assisted CNTs/ceramic flat sheet ultrafiltration membrane for enhanced antifouling and separation performance. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	6.0	27
18	Operating redox couple transport mechanism for enhancing photocatalytic H ₂ generation of Pt and CrOx-decorated ZnCdS nanocrystals. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119601.	20.2	44

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19	Degradation of aqueous bisphenol A in the CoCN/Ms/PMS system: Catalyst design, reaction kinetic and mechanism analysis. <i>Chemical Engineering Journal</i> , 2021, 407, 127228.	12.7	68
20	Photocatalytic ozonation of organic pollutants in wastewater using a flowing through reactor. <i>Journal of Hazardous Materials</i> , 2021, 405, 124277.	12.4	24
21	Efficient production of acetate from inorganic carbon (HCO ₃ ²⁻) in microbial electrosynthesis systems incorporating Ag ₃ PO ₄ /g-C ₃ N ₄ anaerobic photo-assisted biocathodes. <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119696.	20.2	37
22	Carbon-Based Materials for Electrochemical Reduction of CO ₂ to C ₂₊ Oxygenates: Recent Progress and Remaining Challenges. <i>ACS Catalysis</i> , 2021, 11, 2076-2097.	11.2	116
23	Efficient Light-Driven Fuel Cell with Simultaneous Degradation of Pollutants on a TiO ₂ Photoanode and Production of H ₂ O ₂ on a Gas Diffusion Electrode Cathode. <i>ACS ES&T Engineering</i> , 2021, 1, 1122-1130.	7.6	11
24	A porous carbon-based electro-Fenton hollow fiber membrane with good antifouling property for microalgae harvesting. <i>Journal of Membrane Science</i> , 2021, 626, 119189.	8.2	26
25	Efficient electrochemical nitrate removal on Cu and nitrogen doped carbon. <i>Chemical Engineering Journal</i> , 2021, 415, 128958.	12.7	36
26	Highly efficient metal-free electro-Fenton degradation of organic contaminants on a bifunctional catalyst. <i>Journal of Hazardous Materials</i> , 2021, 416, 125859.	12.4	49
27	Alternating current-enhanced carbon nanotubes hollow fiber membranes for membrane fouling control in novel membrane bioreactors. <i>Chemosphere</i> , 2021, 277, 130240.	8.2	12
28	Enhancing the treatment of petrochemical wastewater using redox mediator suspended biofilm carriers. <i>Biochemical Engineering Journal</i> , 2021, 173, 108087.	3.6	10
29	Flow-through heterogeneous electro-Fenton system based on the absorbent cotton derived bulk electrode for refractory organic pollutants treatment. <i>Separation and Purification Technology</i> , 2021, 276, 119266.	7.9	30
30	Selective reduction of nitrate to ammonium over charcoal electrode derived from natural wood. <i>Chemosphere</i> , 2021, 285, 131501.	8.2	16
31	Computer Assisted Design of Electro-Fenton Reactor to Improve the Pollutants Degradation Ability. <i>Journal of Physics: Conference Series</i> , 2021, 2033, 012062.	0.4	0
32	Enhanced Chlorinated Pollutant Degradation by the Synergistic Effect between Dechlorination and Hydroxyl Radical Oxidation on a Bimetallic Single-Atom Catalyst. <i>Environmental Science & Technology</i> , 2021, 55, 14194-14203.	10.0	70
33	Simultaneous Heteroatom Doping and Microstructure Construction by Solid Thermal Melting Method for Enhancing Photoelectrochemical Property of g-C ₃ N ₄ Electrodes. <i>Separation and Purification Technology</i> , 2021, , 120005.	7.9	7
34	Durable and Selective Electrochemical H ₂ O ₂ Synthesis under a Large Current Enabled by the Cathode with Highly Hydrophobic Three-Phase Architecture. <i>ACS Catalysis</i> , 2021, 11, 13797-13808.	11.2	59
35	Construction of a Microchannel Aeration Cathode for Producing H ₂ O ₂ via Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 56045-56053.	8.0	14
36	Performance of Alternating-Current-Enhanced Anaerobic Membrane Bioreactor: Membrane Fouling, Wastewater Treatment, and CH ₄ Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 15973-15982.	6.7	8

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37	Selective electrochemical H ₂ O ₂ generation and activation on a bifunctional catalyst for heterogeneous electro-Fenton catalysis. <i>Journal of Hazardous Materials</i> , 2020, 382, 121102.	12.4	137
38	Efficient electrochemical reduction of nitrobenzene by nitrogen doped porous carbon. <i>Chemosphere</i> , 2020, 238, 124636.	8.2	25
39	Health risk assessment of heavy metals and pesticides: A case study in the main drinking water source in Dalian, China. <i>Chemosphere</i> , 2020, 242, 125113.	8.2	116
40	Porous carbon membrane with enhanced selectivity and antifouling capability for water treatment under electrochemical assistance. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 59-68.	9.4	30
41	Construction of a Microchannel Electrochemical Reactor with a Monolithic Porous-Carbon Cathode for Adsorption and Degradation of Organic Pollutants in Several Minutes of Retention Time. <i>Environmental Science & Technology</i> , 2020, 54, 1920-1928.	10.0	30
42	Tuning Lewis acidity of MIL-88B-Fe with mix-valence coordinatively unsaturated iron centers on ultrathin Ti ₃ C ₂ nanosheets for efficient photo-Fenton reaction. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118534.	20.2	102
43	Efficient day-night photocatalysis performance of 2D/2D Ti ₃ C ₂ /Porous g-C ₃ N ₄ nanolayers composite and its application in the degradation of organic pollutants. <i>Chemosphere</i> , 2020, 246, 125760.	8.2	89
44	Constructing efficient WO ₃ -FPC system for photoelectrochemical H ₂ O ₂ production and organic pollutants degradation. <i>Chemical Engineering Journal</i> , 2020, 389, 123427.	12.7	23
45	Conductive CNT/nanofiber composite hollow fiber membranes with electrospun support layer for water purification. <i>Journal of Membrane Science</i> , 2020, 596, 117613.	8.2	35
46	Single-atom platinum confined by the interlayer nanospace of carbon nitride for efficient photocatalytic hydrogen evolution. <i>Nano Energy</i> , 2020, 69, 104409.	16.0	185
47	Efficient and stable heterogeneous electro-Fenton system using iron oxides embedded in Cu, N co-doped hollow porous carbon as functional electrocatalyst. <i>Separation and Purification Technology</i> , 2020, 238, 116424.	7.9	50
48	Electrokinetic Enhancement of Water Flux and Ion Rejection through Graphene Oxide/Carbon Nanotube Membrane. <i>Environmental Science & Technology</i> , 2020, 54, 15433-15441.	10.0	33
49	Cross-linked Graphene Oxide Framework Membranes with Robust Nano-Channels for Enhanced Sieving Ability. <i>Environmental Science & Technology</i> , 2020, 54, 15442-15453.	10.0	75
50	Enhanced Photocatalytic H ₂ O ₂ Production over Carbon Nitride by Doping and Defect Engineering. <i>ACS Catalysis</i> , 2020, 10, 14380-14389.	11.2	265
51	High-Efficiency Electrocatalysis of Molecular Oxygen toward Hydroxyl Radicals Enabled by an Atomically Dispersed Iron Catalyst. <i>Environmental Science & Technology</i> , 2020, 54, 12662-12672.	10.0	114
52	Utilizing transparent and conductive SnO ₂ as electron mediator to enhance the photocatalytic performance of Z-scheme Si-SnO ₂ -TiO _x . <i>Frontiers of Environmental Science and Engineering</i> , 2020, 14, 1.	6.0	4
53	Selective electroreduction of CO ₂ to acetone by single copper atoms anchored on N-doped porous carbon. <i>Nature Communications</i> , 2020, 11, 2455.	12.8	265
54	Flexible Superhydrophobic Metal-Based Carbon Nanotube Membrane for Electrochemically Enhanced Water Treatment. <i>Environmental Science & Technology</i> , 2020, 54, 9074-9082.	10.0	65

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55	High-flux robust ceramic membranes functionally decorated with nano-catalyst for emerging micro-pollutant removal from water. <i>Journal of Membrane Science</i> , 2020, 611, 118281.	8.2	47
56	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.	4.3	74
57	Enhancing anaerobic digestion in anaerobic integrated floating fixed-film activated sludge (An-IFAS) system using novel electron mediator suspended biofilm carriers. <i>Water Research</i> , 2020, 175, 115697.	11.3	36
58	Simultaneous nitrification and denitrification process using novel surface-modified suspended carriers for the treatment of real domestic wastewater. <i>Chemosphere</i> , 2020, 247, 125831.	8.2	97
59	Integrated Analysis of the Water-Energy-Environmental Pollutant Nexus in the Petrochemical Industry. <i>Environmental Science & Technology</i> , 2020, 54, 14830-14842.	10.0	17
60	Acetate production from inorganic carbon (HCO ₃ ⁻) in photo-assisted biocathode microbial electrosynthesis systems using WO ₃ /MoO ₃ /g-C ₃ N ₄ heterojunctions and <i>Serratia marcescens</i> species. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118611.	20.2	69
61	Energy-transfer-mediated oxygen activation in carbonyl functionalized carbon nitride nanosheets for high-efficient photocatalytic water disinfection and organic pollutants degradation. <i>Water Research</i> , 2020, 177, 115798.	11.3	68
62	Mitigating Membrane Fouling Based on In Situ •OH Generation in a Novel Electro-Fenton Membrane Bioreactor. <i>Environmental Science & Technology</i> , 2020, 54, 7669-7676.	10.0	43
63	Intensified degradation and mineralization of antibiotic metronidazole in photo-assisted microbial fuel cells with Mo-W catalytic cathodes under anaerobic or aerobic conditions in the presence of Fe(III). <i>Chemical Engineering Journal</i> , 2019, 376, 119566.	12.7	37
64	Recovery of Metals from Wastes Using Bioelectrochemical Systems. , 2019, , 121-156.		1
65	Enhanced nitrification in integrated floating fixed-film activated sludge (IFAS) system using novel clinoptilolite composite carrier. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	6.0	13
66	Novel metal-organic framework supported manganese oxides for the selective catalytic reduction of NO _x with NH ₃ : Promotional role of the support. <i>Journal of Hazardous Materials</i> , 2019, 380, 120800.	12.4	36
67	Effects of chlorinated polyfluoroalkyl ether sulfonate in comparison with perfluoroalkyl acids on gene profiles and stemness in human mesenchymal stem cells. <i>Chemosphere</i> , 2019, 237, 124402.	8.2	9
68	Alkali-metal-oxides coated ultrasmall Pt sub-nanoparticles loading on intercalated carbon nitride: Enhanced charge interlayer transportation and suppressed backwork reaction for overall water splitting. <i>Journal of Catalysis</i> , 2019, 377, 72-80.	6.2	30
69	Nanoscale lightning rod effect in 3D carbon nitride nanoneedle: Enhanced charge collection and separation for efficient photocatalysis. <i>Journal of Catalysis</i> , 2019, 375, 361-370.	6.2	55
70	Vertically Aligned Janus MXene-Based Aerogels for Solar Desalination with High Efficiency and Salt Resistance. <i>ACS Nano</i> , 2019, 13, 13196-13207.	14.6	280
71	Efficient H ₂ O ₂ generation and electro-Fenton degradation of pollutants in microchannels of oxidized monolithic-porous-carbon cathode. <i>Water Science and Technology</i> , 2019, 80, 970-978.	2.5	8
72	Enhanced activation of peroxydisulfate by CNT-TiO ₂ under UV-light assistance for efficient degradation of organic pollutants. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	6.0	28

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73	A pH-responsive PAA-grafted-CNT intercalated RGO membrane with steady separation efficiency for charged contaminants over a wide pH range. <i>Separation and Purification Technology</i> , 2019, 215, 422-429.	7.9	25
74	Carbon nanotubes-incorporated MIL-88B-Fe as highly efficient Fenton-like catalyst for degradation of organic pollutants. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	6.0	49
75	Enhanced catalytic ozonation by highly dispersed CeO ₂ on carbon nanotubes for mineralization of organic pollutants. <i>Journal of Hazardous Materials</i> , 2019, 368, 621-629.	12.4	71
76	Enhanced heterogeneous activation of peroxymonosulfate by Co and N codoped porous carbon for degradation of organic pollutants: the synergism between Co and N. <i>Environmental Science: Nano</i> , 2019, 6, 399-410.	4.3	129
77	A novel porous-carbon-based hollow fiber membrane with electrochemical reduction mediated by in-situ hydroxyl radical generation for fouling control and water treatment. <i>Applied Catalysis B: Environmental</i> , 2019, 255, 117772.	20.2	46
78	Templated nanoreactor arrays for nanoscale-tunable liquid-phase catalysis. <i>Chemical Communications</i> , 2019, 55, 6575-6578.	4.1	3
79	Fabrication of a double-helical photocatalytic module for disinfection and antibiotics degradation. <i>Water Environment Research</i> , 2019, 91, 918-925.	2.7	1
80	Performing homogeneous catalytic ozonation using heterogeneous Mn ²⁺ -bonded oxidized carbon nanotubes by self-driven pH variation induced reversible desorption and adsorption of Mn ²⁺ . <i>Environmental Science: Nano</i> , 2019, 6, 1932-1940.	4.3	12
81	Preparation of fluorinated activated carbon for electro-Fenton treatment of organic pollutants in coking wastewater: The influences of oxygen-containing groups. <i>Separation and Purification Technology</i> , 2019, 224, 534-542.	7.9	33
82	Enhanced permeability, contaminants removal and antifouling ability of CNTs-based hollow fiber membranes under electrochemical assistance. <i>Journal of Membrane Science</i> , 2019, 582, 335-341.	8.2	28
83	Three-Dimensional Branched Crystal Carbon Nitride with Enhanced Intrinsic Peroxidase-Like Activity: A Hypersensitive Platform for Colorimetric Detection. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17467-17474.	8.0	29
84	Comparison of CNT-PVA membrane and commercial polymeric membranes in treatment of emulsified oily wastewater. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	6.0	23
85	Current Prospective on Environmental Nanotechnology Research in China. <i>Environmental Science & Technology</i> , 2019, 53, 4001-4002.	10.0	4
86	Enhanced Perfluorooctanoic Acid Degradation by Electrochemical Activation of Sulfate Solution on B/N Codoped Diamond. <i>Environmental Science & Technology</i> , 2019, 53, 5195-5201.	10.0	91
87	<i>In situ</i> remediation of subsurface contamination: opportunities and challenges for nanotechnology and advanced materials. <i>Environmental Science: Nano</i> , 2019, 6, 1283-1302.	4.3	65
88	Improvement of Antifouling and Antimicrobial Abilities on Silver-Carbon Nanotube Based Membranes under Electrochemical Assistance. <i>Environmental Science & Technology</i> , 2019, 53, 5292-5300.	10.0	45
89	Catalytic performance and an insight into the mechanism of CeO ₂ nanocrystals with different exposed facets in catalytic ozonation of p-nitrophenol. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 526-537.	20.2	149
90	Non enzymatic fluorometric determination of glucose by using quenched g-C ₃ N ₄ quantum dots. <i>Mikrochimica Acta</i> , 2019, 186, 779.	5.0	10

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91	N-doped three-dimensional carbon foam as binder-free electrode for organic pollutants removal by electro-Fenton in neutral medium. <i>Blue-Green Systems</i> , 2019, 1, 86-101.	2.0	2
92	Electrochemical reduction of N ₂ to ammonia on Co single atom embedded N-doped porous carbon under ambient conditions. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26358-26363.	10.3	51
93	Real Time Detection of Hazardous Hydroxyl Radical Using an Electrochemical Approach. <i>ChemistrySelect</i> , 2019, 4, 12507-12511.	1.5	14
94	Steering CO ₂ electroreduction toward ethanol production by a surface-bound Ru polypyridyl carbene catalyst on N-doped porous carbon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26353-26358.	7.1	55
95	Efficient photo-Fenton activity in mesoporous MIL-100(Fe) decorated with ZnO nanosphere for pollutants degradation. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 428-438.	20.2	187
96	A novel aerobic electrochemical membrane bioreactor with CNTs hollow fiber membrane by electrochemical oxidation to improve water quality and mitigate membrane fouling. <i>Water Research</i> , 2019, 151, 54-63.	11.3	73
97	The Technology Horizon for Photocatalytic Water Treatment: Sunrise or Sunset?. <i>Environmental Science & Technology</i> , 2019, 53, 2937-2947.	10.0	493
98	Sequential anaerobic and electro-Fenton processes mediated by W and Mo oxides for degradation/mineralization of azo dye methyl orange in photo assisted microbial fuel cells. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 672-680.	20.2	68
99	Fabrication of g-C ₃ N ₄ /Ti ₃ C ₂ composite and its visible-light photocatalytic capability for ciprofloxacin degradation. <i>Separation and Purification Technology</i> , 2019, 211, 782-789.	7.9	177
100	Constructing desired interfacial energy band alignment of Z-scheme TiO ₂ -Pd-Cu ₂ O hybrid by controlling the contact facet for improved photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 347-355.	20.2	60
101	Construction of Z-Scheme g-C ₃ N ₄ /RGO/WO ₃ with in situ photoreduced graphene oxide as electron mediator for efficient photocatalytic degradation of ciprofloxacin. <i>Chemosphere</i> , 2019, 215, 444-453.	8.2	152
102	Improving Ion Rejection of Conductive Nanofiltration Membrane through Electrically Enhanced Surface Charge Density. <i>Environmental Science & Technology</i> , 2019, 53, 868-877.	10.0	83
103	Novel Anaerobic Electrochemical Membrane Bioreactor with a CNTs Hollow Fiber Membrane Cathode to Mitigate Membrane Fouling and Enhance Energy Recovery. <i>Environmental Science & Technology</i> , 2019, 53, 1014-1021.	10.0	71
104	A loop of catholyte effluent feeding to bioanodes for complete recovery of Sn, Fe, and Cu with simultaneous treatment of the co-present organics in microbial fuel cells. <i>Science of the Total Environment</i> , 2019, 651, 1698-1708.	8.0	25
105	Nitrogen-doped hierarchically porous carbon nanopolyhedras derived from core-shell ZIF-8@ZIF-8 single crystals for enhanced oxygen reduction reaction. <i>Catalysis Today</i> , 2019, 327, 366-373.	4.4	47
106	Covalent functionalization of MoS ₂ nanosheets synthesized by liquid phase exfoliation to construct electrochemical sensors for Cd (II) detection. <i>Talanta</i> , 2018, 182, 38-48.	5.5	58
107	Fouling control mechanisms in filtrating natural organic matters by electro-enhanced carbon nanotubes hollow fiber membranes. <i>Journal of Membrane Science</i> , 2018, 553, 54-62.	8.2	45
108	Efficient In Situ Utilization of Caustic for Sequential Recovery and Separation of Sn, Fe, and Cu in Microbial Fuel Cells. <i>ChemElectroChem</i> , 2018, 5, 1658-1669.	3.4	13

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109	Deposition and separation of W and Mo from aqueous solutions with simultaneous hydrogen production in stacked bioelectrochemical systems (BESs): Impact of heavy metals W(VI)/Mo(VI) molar ratio, initial pH and electrode material. <i>Journal of Hazardous Materials</i> , 2018, 353, 348-359.	12.4	9
110	Combined Effects of Surface Charge and Pore Size on Co-Enhanced Permeability and Ion Selectivity through RGO-OCNT Nanofiltration Membranes. <i>Environmental Science & Technology</i> , 2018, 52, 4827-4834.	10.0	79
111	Cooperative light irradiation and in-situ produced H ₂ O ₂ for efficient tungsten and molybdenum deposition in microbial electrolysis cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 357, 156-167.	3.9	11
112	Anti-fouling characteristic of carbon nanotubes hollow fiber membranes by filtering natural organic pollutants. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 964-973.	2.7	14
113	Enhanced adsorption of ionizable antibiotics on activated carbon fiber under electrochemical assistance in continuous-flow modes. <i>Water Research</i> , 2018, 134, 162-169.	11.3	47
114	Constructing BiVO ₄ -Au@CdS photocatalyst with energetic charge-carrier-separation capacity derived from facet induction and Z-scheme bridge for degradation of organic pollutants. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 258-265.	20.2	100
115	Enhanced separation performance of carbon nanotube-polyvinyl alcohol composite membranes for emulsified oily wastewater treatment under electrical assistance. <i>Separation and Purification Technology</i> , 2018, 197, 107-115.	7.9	50
116	Structuring phase junction between tri-s-triazine and triazine crystalline C ₃ N ₄ for efficient photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 153-160.	20.2	139
117	Facile Ammonia Synthesis from Electrocatalytic N ₂ Reduction under Ambient Conditions on N-Doped Porous Carbon. <i>ACS Catalysis</i> , 2018, 8, 1186-1191.	11.2	520
118	Highly Permeable Thin-Film Composite Forward Osmosis Membrane Based on Carbon Nanotube Hollow Fiber Scaffold with Electrically Enhanced Fouling Resistance. <i>Environmental Science & Technology</i> , 2018, 52, 1444-1452.	10.0	56
119	Carbon nitride with electron storage property: Enhanced exciton dissociation for high-efficient photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2018, 236, 99-106.	20.2	99
120	Removal of binary Cr(VI) and Cd(II) from the catholyte of MFCs and determining their fate in EAB using fluorescence probes. <i>Bioelectrochemistry</i> , 2018, 122, 61-68.	4.6	23
121	Enhancing nitrogen removal efficiency in a dyestuff wastewater treatment plant with the IFFAS process: the pilot-scale and full-scale studies. <i>Water Science and Technology</i> , 2018, 77, 70-78.	2.5	7
122	Roles of magnetite and granular activated carbon in improvement of anaerobic sludge digestion. <i>Bioresource Technology</i> , 2018, 249, 666-672.	9.6	163
123	Amphiphilic PA-induced three-dimensional graphene macrostructure with enhanced removal of heavy metal ions. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 853-861.	9.4	47
124	A multifunctional graphene-based nanofiltration membrane under photo-assistance for enhanced water treatment based on layer-by-layer sieving. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 204-213.	20.2	80
125	Dependency of migration and reduction of mixed Cr ₂ O ₇ ²⁻ , Cu ²⁺ and Cd ²⁺ on electric field, ion exchange membrane and metal concentration in microbial fuel cells. <i>Separation and Purification Technology</i> , 2018, 192, 78-87.	7.9	27
126	Fluorine-doped carbon nanotubes as an efficient metal-free catalyst for destruction of organic pollutants in catalytic ozonation. <i>Chemosphere</i> , 2018, 190, 135-143.	8.2	75

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127	Imaging and distribution of Cd(II) ions in electrotrophs and its response to current and electron transfer inhibitor in microbial electrolysis cells. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 244-254.	7.8	20
128	Optical emission spectroscopy diagnosis of energetic Ar ions in synthesis of SiC polytypes by DC arc discharge plasma. <i>Nano Research</i> , 2018, 11, 1470-1481.	10.4	26
129	Enhanced H ₂ O ₂ production by selective electrochemical reduction of O ₂ on fluorine-doped hierarchically porous carbon. <i>Journal of Catalysis</i> , 2018, 357, 118-126.	6.2	252
130	Effective adsorption of sulfamethoxazole, bisphenol A and methyl orange on nanoporous carbon derived from metal-organic frameworks. <i>Journal of Environmental Sciences</i> , 2018, 63, 250-259.	6.1	68
131	Accelerated start-up and microbial community structures of simultaneous nitrification and denitrification using novel suspended carriers. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 577-584.	3.2	25
132	Direct growth of ultra-permeable molecularly thin porous graphene membranes for water treatment. <i>Environmental Science: Nano</i> , 2018, 5, 3004-3010.	4.3	5
133	Superpermeable nanoporous carbon-based catalytic membranes for electro-Fenton driven high-efficiency water treatment. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23502-23512.	10.3	8
134	Two-dimensional nanomaterial based sensors for heavy metal ions. <i>Mikrochimica Acta</i> , 2018, 185, 478.	5.0	48
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330	Growth of tungsten oxide on carbon nanowalls templates. <i>Materials Research Bulletin</i> , 2013, 48, 1304-1307.	5.2	10
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378	Optimization of anaerobic acidogenesis by adding Fe ₀ powder to enhance anaerobic wastewater treatment. <i>Chemical Engineering Journal</i> , 2012, 192, 179-185.	12.7	186

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404	Constructing graphene/InNbO ₄ composite with excellent adsorptivity and charge separation performance for enhanced visible-light-driven photocatalytic ability. <i>Applied Catalysis B: Environmental</i> , 2011, 105, 237-242.	20.2	79
405	Effects of an electric field and zero valent iron on anaerobic treatment of azo dye wastewater and microbial community structures. <i>Bioresource Technology</i> , 2011, 102, 2578-2584.	9.6	74
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