

Hua Jun Feng

List of Publications by Year in descending order

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62
papers

1,766
citations

201674

27
h-index

289244

40
g-index

62
all docs

62
docs citations

62
times ranked

2080
citing authors

#	ARTICLE	IF	CITATIONS
1	Where are signal molecules likely to be located in anaerobic granular sludge?. <i>Water Research</i> , 2014, 50, 1-9.	11.3	99
2	Effective removal of contaminants in landfill leachate membrane concentrates by coagulation. <i>Chemosphere</i> , 2017, 167, 512-519.	8.2	89
3	Optimization of Fenton treatment process for degradation of refractory organics in pre-coagulated leachate membrane concentrates. <i>Journal of Hazardous Materials</i> , 2017, 323, 674-680.	12.4	77
4	Heat-treated stainless steel felt as scalable anode material for bioelectrochemical systems. <i>Bioresource Technology</i> , 2015, 195, 46-50.	9.6	69
5	Nontoxic Carbon Quantum Dots/g-C ₃ N ₄ for Efficient Photocatalytic Inactivation of <i>Staphylococcus aureus</i> under Visible Light. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801534.	7.6	67
6	Continuous hydrogen production from food waste by anaerobic digestion (AD) coupled single-chamber microbial electrolysis cell (MEC) under negative pressure. <i>Waste Management</i> , 2020, 103, 61-66.	7.4	67
7	Hybridization of photoanode and bioanode to enhance the current production of bioelectrochemical systems. <i>Water Research</i> , 2016, 102, 428-435.	11.3	62
8	The effect of carbon sources on nitrogen removal performance in bioelectrochemical systems. <i>Bioresource Technology</i> , 2013, 128, 565-570.	9.6	59
9	Surface Nonpolarization of g-C ₃ N ₄ by Decoration with Sensitized Quantum Dots for Improved CO ₂ Photoreduction. <i>ChemSusChem</i> , 2018, 11, 4256-4261.	6.8	53
10	The effect of C/N ratio on nitrogen removal in a bioelectrochemical system. <i>Bioresource Technology</i> , 2013, 132, 91-98.	9.6	52
11	Carbon materials derived from waste tires as high-performance anodes in microbial fuel cells. <i>Science of the Total Environment</i> , 2018, 618, 804-809.	8.0	52
12	A sustainable method for effective regulation of anaerobic granular sludge: Artificially increasing the concentration of signal molecules by cultivating a secreting strain. <i>Bioresource Technology</i> , 2015, 196, 273-278.	9.6	51
13	The Mitochondria-Targeted Metabolic Tubular Injury in Diabetic Kidney Disease. <i>Cellular Physiology and Biochemistry</i> , 2019, 52, 156-171.	1.6	44
14	Solid digestate disposal strategies to reduce the environmental impact and energy consumption of food waste-based biogas systems. <i>Bioresource Technology</i> , 2021, 325, 124706.	9.6	43
15	Enhancement of anodic biofilm formation and current output in microbial fuel cells by composite modification of stainless steel electrodes. <i>Journal of Power Sources</i> , 2017, 342, 98-104.	7.8	42
16	A high-performance photo-microbial desalination cell. <i>Electrochimica Acta</i> , 2016, 202, 197-202.	5.2	41
17	Prevalence of fluoroquinolone, macrolide and sulfonamide-related resistance genes in landfills from East China, mainly driven by MGEs. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110131.	6.0	40
18	Enhanced removal of p-fluoronitrobenzene using bioelectrochemical system. <i>Water Research</i> , 2014, 60, 54-63.	11.3	39

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19	Titanium dioxide thin film-modified stainless steel mesh for enhanced current-generation in microbial fuel cells. <i>Chemical Engineering Journal</i> , 2018, 333, 260-267.	12.7	39
20	High-performance microbial fuel cell anodes obtained from sewage sludge mixed with fly ash. <i>Journal of Hazardous Materials</i> , 2018, 354, 27-32.	12.4	38
21	Hydrogen sulfide (H ₂ S) emission control by aerobic sulfate reduction in landfill. <i>Scientific Reports</i> , 2016, 6, 38103.	3.3	35
22	Production of 5-Hydroxymethylfurfural from Chitin Biomass: A Review. <i>Molecules</i> , 2020, 25, 541.	3.8	35
23	The effect of chemical vapor deposition temperature on the performance of binder-free sewage sludge-derived anodes in microbial fuel cells. <i>Science of the Total Environment</i> , 2018, 635, 45-52.	8.0	34
24	Effect of sulfur source on photocatalytic degradation performance of CdS/MoS ₂ prepared with one-step hydrothermal synthesis. <i>Journal of Environmental Sciences</i> , 2018, 65, 347-355.	6.1	33
25	Electrical Stimulation Improves Microbial Salinity Resistance and Organofluorine Removal in Bioelectrochemical Systems. <i>Applied and Environmental Microbiology</i> , 2015, 81, 3737-3744.	3.1	32
26	The effect of electricity on 2-fluoroaniline removal in a bioelectrochemically assisted microbial system (BEAMS). <i>Electrochimica Acta</i> , 2014, 135, 439-446.	5.2	30
27	The effect of quorum sensing on anaerobic granular sludge in different pH conditions. <i>Biochemical Engineering Journal</i> , 2015, 103, 270-276.	3.6	29
28	Degradation of p-fluoronitrobenzene in biological and bioelectrochemical systems: Differences in kinetics, pathways, and microbial community evolutions. <i>Chemical Engineering Journal</i> , 2017, 314, 232-239.	12.7	27
29	The impact of electron donors and anode potentials on the anode-respiring bacteria community. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 7997-8005.	3.6	26
30	Stimulative mineralization of p-fluoronitrobenzene in biocathode microbial electrolysis cell with an oxygen-limited environment. <i>Bioresource Technology</i> , 2014, 172, 104-111.	9.6	25
31	Metal-based anode for high performance bioelectrochemical systems through photo-electrochemical interaction. <i>Journal of Power Sources</i> , 2016, 324, 26-32.	7.8	25
32	An effective method for hydrogen production in a single-chamber microbial electrolysis by negative pressure control. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 17556-17561.	7.1	22
33	The Effect of Quorum Sensing on Mature Anaerobic Granular Sludge in Unbalanced Nitrogen Supply. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	21
34	Leaching Behavior of Heavy Metals from Cement Pastes Using a Modified Toxicity Characteristic Leaching Procedure (TCLP). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016, 96, 354-360.	2.7	19
35	How to ascertain the importance of autotrophic denitrification process in a bioelectrochemical system. <i>Bioresource Technology</i> , 2013, 146, 525-529.	9.6	18
36	Sewage sludge-derived carbon-doped manganese as efficient cathode catalysts in microbial fuel cells. <i>Water Science and Technology</i> , 2019, 80, 1399-1406.	2.5	18

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37	Carbon black as an alternative cathode material for electrical energy recovery and transfer in a microbial battery. <i>Scientific Reports</i> , 2017, 7, 6981.	3.3	16
38	Interference of non-lethal levels of graphene oxide in biofilm formation and adaptive response of quorum sensing in bacteria. <i>Environmental Science: Nano</i> , 2018, 5, 2809-2818.	4.3	16
39	Economics analysis of food waste treatment in China and its influencing factors. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	6.0	16
40	The relief of microtherm inhibition for p-fluoronitrobenzene mineralization using electrical stimulation at low temperatures. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 4485-4494.	3.6	13
41	Effect of waste addition points on the chromium leachability of cement produced by co-processing of tannery sludge. <i>Waste Management</i> , 2017, 61, 345-353.	7.4	13
42	Addition of large amount of municipal sewage sludge as raw material in cement clinker production. <i>Environmental Science and Pollution Research</i> , 2017, 24, 27862-27869.	5.3	13
43	Resource potential and global warming potential of fruit and vegetable waste in China based on different treatment strategies. <i>Waste Management</i> , 2022, 140, 225-232.	7.4	13
44	Using sewage sludge pyrolytic gas to modify titanium alloy to obtain high-performance anodes in bio-electrochemical systems. <i>Journal of Power Sources</i> , 2017, 372, 38-45.	7.8	11
45	Validation of effective roles of non-electroactive microbes on recalcitrant contaminant degradation in bioelectrochemical systems. <i>Environmental Pollution</i> , 2019, 249, 794-800.	7.5	11
46	A novel photoactive and three-dimensional stainless steel anode dramatically enhances the current density of bioelectrochemical systems. <i>Chemosphere</i> , 2018, 196, 476-481.	8.2	9
47	Carbonized Cow Dung as a High Performance and Low Cost Anode Material for Bioelectrochemical Systems. <i>Frontiers in Microbiology</i> , 2018, 9, 2760.	3.5	9
48	Quantitative study on the fate of antibiotic emissions in China. <i>Environmental Geochemistry and Health</i> , 2020, 42, 3471-3479.	3.4	8
49	Numerical study of hydrodynamic characteristics in a moving bed biofilm reactor. <i>Environmental Research</i> , 2021, 194, 110614.	7.5	8
50	Biocatalysis mechanism for p-fluoronitrobenzene degradation in the thermophilic bioelectrocatalysis system: Sequential combination of reduction and oxidation. <i>Chemosphere</i> , 2016, 159, 44-49.	8.2	7
51	COVID-19 affected the food behavior of different age groups in Chinese households. <i>PLoS ONE</i> , 2021, 16, e0260244.	2.5	7
52	Cooperative role of electrical stimulation on microbial metabolism and selection of thermophilic communities for p-fluoronitrobenzene treatment. <i>Bioresource Technology</i> , 2015, 189, 23-29.	9.6	6
53	The effect of organic shock loads on the stability of anaerobic granular sludge. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 3026-3033.	2.2	6
54	Effect of dose rate on degradation of 2,6-dichlorophenol by electron beam irradiation. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020, 323, 975-982.	1.5	6

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55	The interference of nonylphenol with bacterial cell-to-cell communication. <i>Environmental Pollution</i> , 2020, 257, 113352.	7.5	5
56	Addition of nitrite enhances the electrochemical defluorination of 2-fluoroaniline. <i>Journal of Hazardous Materials</i> , 2015, 300, 607-614.	12.4	4
57	Irradiation-catalysed degradation of methyl orange using BaF ₂ @TiO ₂ nanocomposite catalysts prepared by a sol-gel method. <i>Royal Society Open Science</i> , 2019, 6, 191156.	2.4	4
58	Iron interferes with quorum sensing-mediated cooperation in <i>Pseudomonas aeruginosa</i> by affecting the expression of ppyR and mexT, in addition to rhlR. <i>Journal of Microbiology</i> , 2020, 58, 938-944.	2.8	4
59	Effects of electrolyte conductivity on power generation in bio-electrochemical systems. <i>Ionics</i> , 2017, 23, 2069-2075.	2.4	3
60	Modularly Integrated System for Spatiotemporally Separated Solar Energy Storage and Release. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 31482-31492.	8.0	3
61	Enhanced Production of Methane from Waste Activated Sludge by Pretreatment Using a Gas Diffusion Cathode. <i>Energy & Fuels</i> , 2016, 30, 10511-10515.	5.1	2
62	Removal and Recovery of Nitrogen Pollutants in Bioelectrochemical System. , 2019, , 157-203.		1