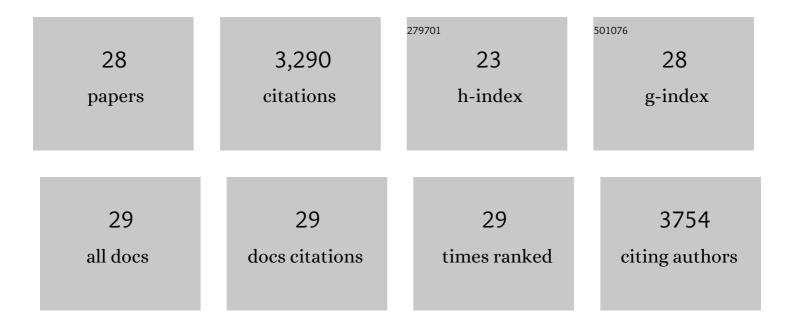
## Heming Wang

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6597622/publications.pdf Version: 2024-02-01



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#	Article	IF	CITATIONS
1	Synergistic remediation of Cr(VI) contaminated soil by iron-loaded activated carbon in two-chamber microbial fuel cells. Environmental Research, 2022, 208, 112707.	3.7	9
2	Key factors to enhance soil remediation by bioelectrochemical systems (BESs): A review. Chemical Engineering Journal, 2021, 419, 129600.	6.6	31
3	Removal of refractory organics in wastewater by coagulation/flocculation with green chlorine-free coagulants. Science of the Total Environment, 2021, 787, 147654.	3.9	34
4	Alkaline thermal pretreatment of waste activated sludge for enhanced hydrogen production in microbial electrolysis cells. Journal of Environmental Management, 2021, 294, 113000.	3.8	12
5	Removal of hexavalent chromium in dual-chamber microbial fuel cells separated by different ion exchange membranes. Journal of Hazardous Materials, 2020, 384, 121459.	6.5	83
6	Bioelectrochemical remediation of Cr(VI)/Cd(II)-contaminated soil in bipolar membrane microbial fuel cells. Environmental Research, 2020, 186, 109582.	3.7	38
7	Shipboard bilge water treatment by electrocoagulation powered by microbial fuel cells. Frontiers of Environmental Science and Engineering, 2019, 13, 1.	3.3	21
8	A cascade of a denitrification bioreactor and an aerobic biofilm reactor for heavy oil refinery wastewater treatment. RSC Advances, 2019, 9, 7495-7504.	1.7	11
9	Resin-enhanced rolling activated carbon electrode for efficient capacitive deionization. Desalination, 2017, 419, 20-28.	4.0	56
10	Application of coagulation-UF hybrid process for shale gas fracturing flowback water recycling: Performance and fouling analysis. Journal of Membrane Science, 2017, 524, 460-469.	4.1	65
11	Alternating Current Influences Anaerobic Electroactive Biofilm Activity. Environmental Science & Technology, 2016, 50, 9169-9176.	4.6	52
12	Iron-rich nanoparticle encapsulated, nitrogen doped porous carbon materials as efficient cathode electrocatalyst for microbial fuel cells. Journal of Power Sources, 2016, 315, 302-307.	4.0	76
13	Low-energy hydraulic fracturing wastewater treatment via AC powered electrocoagulation with biochar. Journal of Hazardous Materials, 2016, 309, 180-184.	6.5	44
14	Practical Energy Harvesting for Microbial Fuel Cells: A Review. Environmental Science & Technology, 2015, 49, 3267-3277.	4.6	309
15	Graphitic biochar as a cathode electrocatalyst support for microbial fuel cells. Bioresource Technology, 2015, 195, 147-153.	4.8	124
16	Removal and fate of trace organic compounds in microbial fuel cells. Chemosphere, 2015, 125, 94-101.	4.2	38
17	Bioelectrochemical system platform for sustainable environmental remediation and energy generation. Biotechnology Advances, 2015, 33, 317-334.	6.0	253
18	AC power generation from microbial fuel cells. Journal of Power Sources, 2015, 297, 252-259.	4.0	16

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#	Article	IF	CITATIONS
19	Biochar as a sustainable electrode material for electricity production in microbial fuel cells. Bioresource Technology, 2014, 157, 114-119.	4.8	279
20	Lightweight, conductive hollow fibers from nature as sustainable electrode materials for microbial energy harvesting. Nano Energy, 2014, 10, 268-276.	8.2	63
21	Bioelectrochemical metal recovery from wastewater: A review. Water Research, 2014, 66, 219-232.	5.3	371
22	A comprehensive review of microbial electrochemical systems as a platform technology. Biotechnology Advances, 2013, 31, 1796-1807.	6.0	686
23	Power electronic converters for microbial fuel cell energy extraction: Effects of inductance, duty ratio, and switching frequency. Journal of Power Sources, 2012, 220, 89-94.	4.0	25
24	Active Energy Harvesting from Microbial Fuel Cells at the Maximum Power Point without Using Resistors. Environmental Science & amp; Technology, 2012, 46, 5247-5252.	4.6	81
25	Recycled tire crumb rubber anodes for sustainable power production in microbial fuel cells. Journal of Power Sources, 2011, 196, 5863-5866.	4.0	43
26	Carbon nanotube modified air-cathodes for electricity production in microbial fuel cells. Journal of Power Sources, 2011, 196, 7465-7469.	4.0	102
27	Bioaugmentation for Electricity Generation from Corn Stover Biomass Using Microbial Fuel Cells. Environmental Science & Technology, 2009, 43, 6088-6093.	4.6	149
28	Accelerated start-up of two-chambered microbial fuel cells: Effect of anodic positive poised potential. Electrochimica Acta, 2009, 54, 1109-1114.	2.6	219