

# Heming Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6597622/publications.pdf>

Version: 2024-02-01

28  
papers

3,290  
citations

279701

23  
h-index

501076

28  
g-index

29  
all docs

29  
docs citations

29  
times ranked

3754  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive review of microbial electrochemical systems as a platform technology. <i>Biotechnology Advances</i> , 2013, 31, 1796-1807.	6.0	686
2	Bioelectrochemical metal recovery from wastewater: A review. <i>Water Research</i> , 2014, 66, 219-232.	5.3	371
3	Practical Energy Harvesting for Microbial Fuel Cells: A Review. <i>Environmental Science &amp; Technology</i> , 2015, 49, 3267-3277.	4.6	309
4	Biochar as a sustainable electrode material for electricity production in microbial fuel cells. <i>Bioresource Technology</i> , 2014, 157, 114-119.	4.8	279
5	Bioelectrochemical system platform for sustainable environmental remediation and energy generation. <i>Biotechnology Advances</i> , 2015, 33, 317-334.	6.0	253
6	Accelerated start-up of two-chambered microbial fuel cells: Effect of anodic positive poised potential. <i>Electrochimica Acta</i> , 2009, 54, 1109-1114.	2.6	219
7	Bioaugmentation for Electricity Generation from Corn Stover Biomass Using Microbial Fuel Cells. <i>Environmental Science &amp; Technology</i> , 2009, 43, 6088-6093.	4.6	149
8	Graphitic biochar as a cathode electrocatalyst support for microbial fuel cells. <i>Bioresource Technology</i> , 2015, 195, 147-153.	4.8	124
9	Carbon nanotube modified air-cathodes for electricity production in microbial fuel cells. <i>Journal of Power Sources</i> , 2011, 196, 7465-7469.	4.0	102
10	Removal of hexavalent chromium in dual-chamber microbial fuel cells separated by different ion exchange membranes. <i>Journal of Hazardous Materials</i> , 2020, 384, 121459.	6.5	83
11	Active Energy Harvesting from Microbial Fuel Cells at the Maximum Power Point without Using Resistors. <i>Environmental Science &amp; Technology</i> , 2012, 46, 5247-5252.	4.6	81
12	Iron-rich nanoparticle encapsulated, nitrogen doped porous carbon materials as efficient cathode electrocatalyst for microbial fuel cells. <i>Journal of Power Sources</i> , 2016, 315, 302-307.	4.0	76
13	Application of coagulation-UF hybrid process for shale gas fracturing flowback water recycling: Performance and fouling analysis. <i>Journal of Membrane Science</i> , 2017, 524, 460-469.	4.1	65
14	Lightweight, conductive hollow fibers from nature as sustainable electrode materials for microbial energy harvesting. <i>Nano Energy</i> , 2014, 10, 268-276.	8.2	63
15	Resin-enhanced rolling activated carbon electrode for efficient capacitive deionization. <i>Desalination</i> , 2017, 419, 20-28.	4.0	56
16	Alternating Current Influences Anaerobic Electroactive Biofilm Activity. <i>Environmental Science &amp; Technology</i> , 2016, 50, 9169-9176.	4.6	52
17	Low-energy hydraulic fracturing wastewater treatment via AC powered electrocoagulation with biochar. <i>Journal of Hazardous Materials</i> , 2016, 309, 180-184.	6.5	44
18	Recycled tire crumb rubber anodes for sustainable power production in microbial fuel cells. <i>Journal of Power Sources</i> , 2011, 196, 5863-5866.	4.0	43

#	ARTICLE	IF	CITATIONS
19	Removal and fate of trace organic compounds in microbial fuel cells. <i>Chemosphere</i> , 2015, 125, 94-101.	4.2	38
20	Bioelectrochemical remediation of Cr(VI)/Cd(II)-contaminated soil in bipolar membrane microbial fuel cells. <i>Environmental Research</i> , 2020, 186, 109582.	3.7	38
21	Removal of refractory organics in wastewater by coagulation/flocculation with green chlorine-free coagulants. <i>Science of the Total Environment</i> , 2021, 787, 147654.	3.9	34
22	Key factors to enhance soil remediation by bioelectrochemical systems (BESs): A review. <i>Chemical Engineering Journal</i> , 2021, 419, 129600.	6.6	31
23	Power electronic converters for microbial fuel cell energy extraction: Effects of inductance, duty ratio, and switching frequency. <i>Journal of Power Sources</i> , 2012, 220, 89-94.	4.0	25
24	Shipboard bilge water treatment by electrocoagulation powered by microbial fuel cells. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	3.3	21
25	AC power generation from microbial fuel cells. <i>Journal of Power Sources</i> , 2015, 297, 252-259.	4.0	16
26	Alkaline thermal pretreatment of waste activated sludge for enhanced hydrogen production in microbial electrolysis cells. <i>Journal of Environmental Management</i> , 2021, 294, 113000.	3.8	12
27	A cascade of a denitrification bioreactor and an aerobic biofilm reactor for heavy oil refinery wastewater treatment. <i>RSC Advances</i> , 2019, 9, 7495-7504.	1.7	11
28	Synergistic remediation of Cr(VI) contaminated soil by iron-loaded activated carbon in two-chamber microbial fuel cells. <i>Environmental Research</i> , 2022, 208, 112707.	3.7	9