

Heming Wang

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

3,290
citations

279701

23
h-index

501076

28
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29
all docs

29
docs citations

29
times ranked

3754
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | Key factors to enhance soil remediation by bioelectrochemical systems (BESs): A review. <i>Chemical Engineering Journal</i> , 2021, 419, 129600. | 6.6 | 31 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | Resin-enhanced rolling activated carbon electrode for efficient capacitive deionization. <i>Desalination</i> , 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. <i>Journal of Membrane Science</i> , 2017, 524, 460-469. | 4.1 | 65 |
| 11 | Alternating Current Influences Anaerobic Electroactive Biofilm Activity. <i>Environmental Science & Technology</i> , 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. <i>Journal of Power Sources</i> , 2016, 315, 302-307. | 4.0 | 76 |
| 13 | 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 |
| 14 | Practical Energy Harvesting for Microbial Fuel Cells: A Review. <i>Environmental Science & Technology</i> , 2015, 49, 3267-3277. | 4.6 | 309 |
| 15 | Graphitic biochar as a cathode electrocatalyst support for microbial fuel cells. <i>Bioresource Technology</i> , 2015, 195, 147-153. | 4.8 | 124 |
| 16 | Removal and fate of trace organic compounds in microbial fuel cells. <i>Chemosphere</i> , 2015, 125, 94-101. | 4.2 | 38 |
| 17 | Bioelectrochemical system platform for sustainable environmental remediation and energy generation. <i>Biotechnology Advances</i> , 2015, 33, 317-334. | 6.0 | 253 |
| 18 | AC power generation from microbial fuel cells. <i>Journal of Power Sources</i> , 2015, 297, 252-259. | 4.0 | 16 |

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|----|--|-----|-----------|
| 19 | Biochar as a sustainable electrode material for electricity production in microbial fuel cells. <i>Bioresource Technology</i> , 2014, 157, 114-119. | 4.8 | 279 |
| 20 | 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 |
| 21 | Bioelectrochemical metal recovery from wastewater: A review. <i>Water Research</i> , 2014, 66, 219-232. | 5.3 | 371 |
| 22 | A comprehensive review of microbial electrochemical systems as a platform technology. <i>Biotechnology Advances</i> , 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. <i>Journal of Power Sources</i> , 2012, 220, 89-94. | 4.0 | 25 |
| 24 | Active Energy Harvesting from Microbial Fuel Cells at the Maximum Power Point without Using Resistors. <i>Environmental Science & Technology</i> , 2012, 46, 5247-5252. | 4.6 | 81 |
| 25 | 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 |
| 26 | 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 |
| 27 | Bioaugmentation for Electricity Generation from Corn Stover Biomass Using Microbial Fuel Cells. <i>Environmental Science & Technology</i> , 2009, 43, 6088-6093. | 4.6 | 149 |
| 28 | 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 |