

Assessment of Microbial Fuel Cell Configurations and P

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Development of carbon free diffusion layer for activated carbon air cathode of microbial fuel cells. <i>Bioresource Technology</i> , 2015, 197, 318-322.	4.8	41
3	Performance evaluation of a continuous-flow bioanode microbial electrolysis cell fed with furanic and phenolic compounds. <i>RSC Advances</i> , 2016, 6, 65563-65571.	1.7	12
4	Immobilization of Anodophilic Biofilms for Use in Aerotolerant Bioanodes of Microbial Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34985-34990.	4.0	12
5	Acclimatization of microbial consortia to alkaline conditions and enhanced electricity generation. <i>Bioresource Technology</i> , 2016, 211, 736-742.	4.8	25
6	Trace heavy metal ions promoted extracellular electron transfer and power generation by <i>Shewanella</i> in microbial fuel cells. <i>Bioresource Technology</i> , 2016, 211, 542-547.	4.8	74
7	Mechanisms of Bacterial Extracellular Electron Exchange. <i>Advances in Microbial Physiology</i> , 2016, 68, 87-138.	1.0	140
8	Enhanced power generation using nano cobalt oxide anchored nitrogen-decorated reduced graphene oxide as a high-performance air-cathode electrocatalyst in biofuel cells. <i>RSC Advances</i> , 2016, 6, 52556-52563.	1.7	32
9	Enhanced performance of nitrogen-doped carbon nanotube membrane-based filtration cathode microbial fuel cell. <i>Electrochimica Acta</i> , 2016, 211, 199-206.	2.6	32
10	Microbial fuel cells and osmotic membrane bioreactors have mutual benefits for wastewater treatment and energy production. <i>Water Research</i> , 2016, 98, 183-189.	5.3	78
11	Carbon nanotube modification of microbial fuel cell electrodes. <i>Biosensors and Bioelectronics</i> , 2016, 85, 536-552.	5.3	116
12	Microbial Electrochemical Systems with Future Perspectives using Advanced Nanomaterials and Microfluidics. <i>Advanced Energy Materials</i> , 2016, 6, 1600690.	10.2	20
13	The excellent performance of nest-like oxygen-deficient Cu _{1.5} Mn _{1.5} O ₄ applied in activated carbon air-cathode microbial fuel cell. <i>Bioresource Technology</i> , 2016, 222, 107-113.	4.8	18
14	Ohmic resistance affects microbial community and electrochemical kinetics in a multi-anode microbial electrochemical cell. <i>Journal of Power Sources</i> , 2016, 331, 315-321.	4.0	39
15	Pressurized air cathodes for enhanced stability and power generation by microbial fuel cells. <i>Journal of Power Sources</i> , 2016, 332, 447-453.	4.0	22
16	Electricity generation from defective tomatoes. <i>Bioelectrochemistry</i> , 2016, 112, 67-76.	2.4	24
17	High-Performance Carbon Aerogel Air Cathodes for Microbial Fuel Cells. <i>ChemSusChem</i> , 2016, 9, 2788-2795.	3.6	41
18	The effect of flow modes and electrode combinations on the performance of a multiple module microbial fuel cell installed at wastewater treatment plant. <i>Water Research</i> , 2016, 105, 351-360.	5.3	86
19	Continuous treatment of high strength wastewaters using air-cathode microbial fuel cells. <i>Bioresource Technology</i> , 2016, 221, 96-101.	4.8	89

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20	Immobilization of a Metal-“Nitrogen”-Carbon Catalyst on Activated Carbon with Enhanced Cathode Performance in Microbial Fuel Cells. <i>ChemSusChem</i> , 2016, 9, 2226-2232.	3.6	109
21	Wastewater treatment by Microbial Fuel Cell (MFC) prior irrigation water reuse. <i>Journal of Cleaner Production</i> , 2016, 137, 144-149.	4.6	80
22	High Biofilm Conductivity Maintained Despite Anode Potential Changes in a <i>Geobacter</i> -Enriched Biofilm. <i>ChemSusChem</i> , 2016, 9, 3485-3491.	3.6	31
23	Ion transport in microbial fuel cells: Key roles, theory and critical review. <i>Applied Energy</i> , 2016, 183, 1682-1704.	5.1	139
24	Impact of acclimation methods on microbial communities and performance of anaerobic fluidized bed membrane bioreactors. <i>Environmental Science: Water Research and Technology</i> , 2016, 2, 1041-1048.	1.2	6
25	Binder-free nitrogen-doped graphene catalyst air-cathodes for microbial fuel cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12387-12391.	5.2	45
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28	Enhanced electrical power generation using flame-oxidized stainless steel anode in microbial fuel cells and the anodic community structure. <i>Biotechnology for Biofuels</i> , 2016, 9, 62.	6.2	42
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30	Long-term performance of a 200 liter modularized microbial fuel cell system treating municipal wastewater: treatment, energy, and cost. <i>Environmental Science: Water Research and Technology</i> , 2016, 2, 274-281.	1.2	200
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35	A monolithic three-dimensional macroporous graphene anode with low cost for high performance microbial fuel cells. <i>RSC Advances</i> , 2016, 6, 21001-21010.	1.7	23
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39	Tools for the Microbiome: Nano and Beyond. <i>ACS Nano</i> , 2016, 10, 6-37.	7.3	137
40	Efficient removal of nitrobenzene and concomitant electricity production by single-chamber microbial fuel cells with activated carbon air-cathode. <i>Bioresource Technology</i> , 2017, 229, 111-118.	4.8	25
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43	Improving the performance of microbial fuel cells by reducing the inherent resistivity of carbon fiber brush anodes. <i>Journal of Power Sources</i> , 2017, 348, 193-200.	4.0	35
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46	Effect of electrode sub-micron surface feature size on current generation of <i>Shewanella oneidensis</i> in microbial fuel cells. <i>Journal of Power Sources</i> , 2017, 347, 270-276.	4.0	17
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57	Low Temperature Domestic Wastewater Treatment in a Microbial Electrolysis Cell with 1 m ^{>2</sup> Anodes: Towards System Scaleâ€š. <i>Fuel Cells</i>, 2017, 17, 584-592.}	1.5	70
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65	Microbial activity influences electrical conductivity of biofilm anode. <i>Water Research</i> , 2017, 127, 230-238.	5.3	61
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72	Advanced Materials, Technologies, and Complex Systems Analyses: Emerging Opportunities to Enhance Urban Water Security. <i>Environmental Science & Technology</i> , 2017, 51, 10274-10281.	4.6	129
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75	Improved performance of the microbial electrolysis desalination and chemical-production cell with enlarged anode and high applied voltages. <i>Bioresource Technology</i> , 2017, 244, 913-919.	4.8	41
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82	Protection of Electroactive Biofilm from Extreme Acid Shock by Polydopamine Encapsulation. <i>Environmental Science and Technology Letters</i> , 2017, 4, 345-349.	3.9	39
83	Electric field induced salt precipitation into activated carbon air-cathode causes power decay in microbial fuel cells. <i>Water Research</i> , 2017, 123, 369-377.	5.3	106
84	An excellent anaerobic respiration mode for chitin degradation by <i>Shewanella oneidensis</i> MR-1 in microbial fuel cells. <i>Biochemical Engineering Journal</i> , 2017, 118, 20-24.	1.8	26
85	Bioelectrochemical approaches for removal of sulfate, hydrocarbon and salinity from produced water. <i>Chemosphere</i> , 2017, 166, 96-108.	4.2	67
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118	3D printed porous carbon anode for enhanced power generation in microbial fuel cell. <i>Nano Energy</i> , 2018, 44, 174-180.	8.2	151
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120	Wastewater treatment and electricity generation from a sunlight-powered single chamber microbial fuel cell. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 358, 432-440.	2.0	36
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122	Emerging investigators series: revisiting greenhouse gas mitigation from conventional activated sludge and anaerobic-based wastewater treatment systems. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 1739-1758.	1.2	24
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127	Sustainable Waste-to-Energy Technologies: Bioelectrochemical Systems. , 2018, , 111-140.		4

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129	Microbial fuel cell stack power to lithium battery stack: Pilot concept for scale up. <i>Applied Energy</i> , 2018, 230, 1633-1644.	5.1	35
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132	Using metabolic charge production in the tricarboxylic acid cycle (QTCA) to evaluate the extracellular-electron-transfer performances of <i>Shewanella</i> spp.. <i>Bioelectrochemistry</i> , 2018, 124, 119-126.	2.4	5
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150	Phosphorus Removal and Recovery From Anaerobic Digestion Residues. <i>Advances in Bioenergy</i> , 2018, , 77-136.	0.5	16
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154	Internet of Things temperature sensor powered by bacterial fuel cells on paper. <i>Journal of Power Sources</i> , 2019, 438, 226947.	4.0	26
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