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Outlook on the Role of Microbial Fuel Cells in Remediation of Environmental Pollutants with Electricity Generation

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#	Paper	IF	Citations
76	Development and modification of materials to build cost-effective anodes for microbial fuel cells (MFCs): An overview. <i>Biochemical Engineering Journal</i> , 2020 , 164, 107779	4.2	89
75	Insights into the Current Trends in the Utilization of Bacteria for Microbially Induced Calcium Carbonate Precipitation. <i>Materials</i> , 2020 , 13,	3.5	37
74	Insights into Advancements and Electrons Transfer Mechanisms of Electrogens in Benthic Microbial Fuel Cells. <i>Membranes</i> , 2020 , 10,	3.8	18
73	Modified graphene oxide anode: A bioinspired waste material for bioremediation of Pb ²⁺ with energy generation through microbial fuel cells. <i>Chemical Engineering Journal</i> , 2021 , 417, 128052	14.7	42
72	Microbial Electrochemical System: A Sustainable Approach for Mitigation of Toxic Dyes and Heavy Metals from Wastewater. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2021 , 25, 04020082	2.3	15
71	Bioremediation of Pollutants and Sustainable Energy Production through Bacterial Activities in Microbial Fuel Cells: An Overview. <i>Asian Journal of Chemistry</i> , 2021 , 33, 253-265	0.4	1
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69	Advancement in Benthic Microbial Fuel Cells toward Sustainable Bioremediation and Renewable Energy Production. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	9
68	Self-assembled oil palm biomass-derived modified graphene oxide anode: An efficient medium for energy transportation and bioremediating Cd (II) via microbial fuel cells. <i>Arabian Journal of Chemistry</i> , 2021 , 14, 103121	5.9	28
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61	Recent developments in physical, biological, chemical, and hybrid treatment techniques for removing emerging contaminants from wastewater. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125912	12.8	69
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59	Electricity generation and heavy metal remediation by utilizing yam (<i>Dioscorea alata</i>) waste in benthic microbial fuel cells (BMFCs). <i>Biochemical Engineering Journal</i> , 2021 , 172, 108067	4.2	25
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57	Application of oil palm lignocellulosic derived material as an efficient anode to boost the toxic metal remediation trend and energy generation through microbial fuel cells. <i>Journal of Cleaner Production</i> , 2021 , 314, 128062	10.3	18
56	Biomass-derived composite anode electrode: Synthesis, characterizations, and application in microbial fuel cells (MFCs). <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106111	6.8	17
55	Preparation, characterization, and application of modified carbonized lignin as an anode for sustainable microbial fuel cell. <i>Chemical Engineering Research and Design</i> , 2021 , 155, 49-60	5.5	12
54	Recent advancements in microbial fuel cells: A review on its electron transfer mechanisms, microbial community, types of substrates and design for bio-electrochemical treatment. <i>Chemosphere</i> , 2022 , 286, 131856	8.4	14
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38	Current Status on Microbial Fuel Cell (MFC) Technology. <i>Green Energy and Technology</i> , 2022, 195-212	0.6	
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