Manaswini Behera

List of Publications by Year
in descending order

33	1,220	567144 15	501076 28
papers	citations	h-index	g-index

36	36	36	1045
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rice mill wastewater treatment in microbial fuel cells fabricated using proton exchange membrane and earthen pot at different pH. Bioelectrochemistry, 2010, 79, 228-233.	2.4	249
2	Performance evaluation of low cost microbial fuel cell fabricated using earthen pot with biotic and abiotic cathode. Bioresource Technology, 2010, 101, 1183-1189.	4.8	228
3	Performance of microbial fuel cell in response to change in sludge loading rate at different anodic feed pH. Bioresource Technology, 2009, 100, 5114-5121.	4.8	162
4	Performance comparison of up-flow microbial fuel cells fabricated using proton exchange membrane and earthen cylinder. International Journal of Hydrogen Energy, 2010, 35, 5681-5686.	3.8	85
5	Electricity generation in low cost microbial fuel cell made up of earthenware of different thickness. Water Science and Technology, 2011, 64, 2468-2473.	1.2	65
6	Effect of operating temperature on performance of microbial fuel cell. Water Science and Technology, 2011, 64, 917-922.	1.2	59
7	Ceramic membrane modified with rice husk ash for application in microbial fuel cells. Electrochimica Acta, 2020, 363, 137261.	2.6	48
8	Comparative evaluation of methanogenesis suppression methods in microbial fuel cell during rice mill wastewater treatment. Environmental Technology and Innovation, 2020, 17, 100509.	3.0	46
9	Comparison of titanium dioxide based catalysts preparation methods in the mineralization and nutrients removal from greywater by solar photocatalysis. Journal of Cleaner Production, 2019, 235, 1-10.	4.6	29
10	Assessment of Heavy Metal Removal in Different Bioelectrochemical Systems: A Review. Journal of Hazardous, Toxic, and Radioactive Waste, 2020, 24, .	1.2	24
11	Review of the Process Optimization in Microbial Fuel Cell using Design of Experiment Methodology. Journal of Hazardous, Toxic, and Radioactive Waste, 2020, 24, .	1.2	23
12	Application of clayware ceramic separator modified with silica in microbial fuel cell for bioelectricity generation during rice mill wastewater treatment. Water Science and Technology, 2021, 84, 66-76.	1.2	21
13	Enhancement of bioelectricity generation by integrating acidogenic compartment into a dual-chambered microbial fuel cell during rice mill wastewater treatment. Process Biochemistry, 2021, 105, 19-26.	1.8	21
14	Methanogenesis suppression in microbial fuel cell by aluminium dosing. Bioelectrochemistry, 2019, 129, 206-210.	2.4	19
15	Evaluation of the effect of anolyte recirculation and anolyte pH on the performance of a microbial fuel cell employing ceramic separator. Process Biochemistry, 2021, 102, 207-212.	1.8	18
16	Optimization of Operating Conditions for Maximizing Power Generation and Organic Matter Removal in Microbial Fuel Cell. Journal of Environmental Engineering, ASCE, 2017, 143, .	0.7	17
17	Performance evaluation of microbial fuel cells employing ceramic separator of different surface area modified with mineral cation exchanger. SN Applied Sciences, 2020, 2, 1.	1.5	15
18	Greywater treatment using modified solar photocatalyst- degradation, kinetics, pathway and toxicity analysis. Separation and Purification Technology, 2020, 251, 117319.	3.9	14

#	Article	IF	Citations
19	EFFECT OF SULFATE CONCENTRATION IN THE WASTEWATER ON MICROBIAL FUEL CELL PERFORMANCE. Environmental Engineering and Management Journal, 2010, 9, 1227-1234.	0.2	13
20	Treatment of Organic Fraction of Municipal Solid Waste in Bioelectrochemical Systems: A Review. Journal of Hazardous, Toxic, and Radioactive Waste, 2020, 24, .	1.2	10
21	Evaluating the Effect of the Antibiotic Ampicillin on Performance of a Low-Cost Microbial Fuel Cell. Journal of Hazardous, Toxic, and Radioactive Waste, 2020, 24, .	1.2	8
22	Sequential anaerobicâ€“aerobic treatment of rice mill wastewater and simultaneous power generation in microbial fuel cell. Environmental Technology (United Kingdom), 2023, 44, 3176-3182.	1.2	7
23	Graywater Treatment in Sequencing Batch Reactor Using Simultaneous Nitrification, Denitrification, and Phosphorus Removal, with Kinetic Studies of Phosphate Adsorption onto Corncob. Journal of Hazardous, Toxic, and Radioactive Waste, 2020, 24, .	1.2	6
24	Bioaugmentation using Pseudomonas aeruginosa with an approach of intermittent aeration for enhanced power generation in ceramic MFC. Sustainable Energy Technologies and Assessments, 2021, 45, 101138.	1.7	6
25	Methanogenesis suppression and increased power generation in microbial fuel cell during treatment of chloroform containing wastewater. Chemical Engineering Research and Design, 2021, 148, 249-255.	2.7	5
26	Groundwater Vulnerability Assessment from a Drinking Water Perspective: Case Study in a Tropical Groundwater Basin in Eastern India. Journal of Hazardous, Toxic, and Radioactive Waste, 2021, 25, .	1.2	4
27	Pharmaceutical wastewater treatment in microbial fuel cell. , 2020, , 135-155.		4
28	Effects of Pharmaceuticals on the Performance of Earthen Pot Microbial Fuel Cell. Journal of Hazardous, Toxic, and Radioactive Waste, 2022, 26, .	1.2	3
29	Application of microbial electrochemical system for industrial wastewater treatment. , 2022, , 195-215.		2
30	Greywater Treatment in Continuous Flow Solar Photocatalytic Reactor Using Graphite Supported Nitrogen-Doped TiO2. Environmental Science and Engineering, 2021, , 157-167.	0.1	1
31	Sodium nitrate as a methanogenesis suppressor in earthen separator microbial fuel cell treating rice mill wastewater. Environmental Science and Pollution Research, 2021, , 1.	2.7	1
32	Greywater treatment in SBR-SND reactor - optimization of hydraulic retention time, volumetric exchange ratio and sludge retention time. Environmental Technology (United Kingdom), 2022, , 1-12.	1.2	1
33	Microbial degradation of xenobiotics in bioelectrochemical systems. , 2022, , 1-22.		0