Surajbhan Sevda

List of Publications by Year
in descending order

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46 papers	1,656 citations	394286 19 h-index	501076 28 g-index
49 all docs	49 docs citations	49 times ranked	2140 citing authors

#	Article	IF	Citations
1	The accurate use of impedance analysis for the study of microbial electrochemical systems. Chemical Society Reviews, 2012, 41, 7228.	18.7	222
2	High strength wastewater treatment accompanied by power generation using air cathode microbial fuel cell. Applied Energy, 2013, 105, 194-206.	5.1	188
3	Circular economy aspects of lignin: Towards a lignocellulose biorefinery. Renewable and Sustainable Energy Reviews, 2020, 130, 109977.	8.2	135
4	Bioelectroremediation of perchlorate and nitrate contaminated water: A review. Bioresource Technology, 2018, 255, 331-339.	4.8	133
5	Sustainable utilization of crop residues for energy generation: A life cycle assessment (LCA) perspective. Bioresource Technology, 2020, 303, 122964.	4.8	132
6	Microbial desalination cells as a versatile technology: Functions, optimization and prospective. Desalination, 2015, 371, 9-17.	4.0	123
7	Biohydrogen Production from Lignocellulosic Biomass: Technology and Sustainability. Energies, 2015, 8, 13062-13080.	1.6	114
8	Characterization and comparison of the performance of two different separator types in airâ€“cathode microbial fuel cell treating synthetic wastewater. Chemical Engineering Journal, 2013, 228, 1-11.	6.6	86
9	Bioelectricity generation from treatment of petroleum refinery wastewater with simultaneous seawater desalination in microbial desalination cells. Energy Conversion and Management, 2017, 141, 101-107.	4.4	59
10	Intervention of microfluidics in biofuel and bioenergy sectors: Technological considerations and future prospects. Renewable and Sustainable Energy Reviews, 2019, 101, 548-558.	8.2	59
11	Effect of salt concentration and mediators in salt bridge microbial fuel cell for electricity generation from synthetic wastewater. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2012, 47, 878-886.	0.9	53
12	The role of biofilm in the development and dissemination of ubiquitous pathogens in drinking water distribution systems: an overview of surveillance, outbreaks, and prevention. World Journal of Microbiology and Biotechnology, 2021, 37, 36.	1.7	38
13	Investigation of CNT/PPy-Modified Carbon Paper Electrodes under Anaerobic and Aerobic Conditions for Phenol Bioremediation in Microbial Fuel Cells. ACS Omega, 2020, 5, 471-480.	1.6	36
14	Microalgae at niches of bioelectrochemical systems: A new platform for sustainable energy production coupled industrial effluent treatment. Bioresource Technology Reports, 2019, 7, 100290.	1.5	27
15	Shift to continuous operation of an air-cathode microbial fuel cell long-running in fed-batch mode boosts power generation. International Journal of Green Energy, 2016, 13, 71-79.	2.1	25
16	Biosensing capabilities of bioelectrochemical systems towards sustainable water streams: Technological implications and future prospects. Journal of Bioscience and Bioengineering, 2020, 129, 647-656.	1.1	25
17	Biofilm formation and electron transfer in bioelectrochemical systems. Environmental Technology Reviews, 2018, 7, 220-234.	2.1	23
18	Improved petroleum refinery wastewater treatment and seawater desalination performance by combining osmotic microbial fuel cell and up-flow microbial desalination cell. Environmental Technology (United Kingdom), 2019, 40, 888-895.	1.2	23

#	Article	IF	Citations
19	A comprehensive impedance journey to continuous microbial fuel cells. Bioelectrochemistry, 2015, 106, 159-166.	2.4	22
20	Evaluation and enhanced operational performance of microbial fuel cells under alternating anodic open circuit and closed circuit modes with different substrates. Biochemical Engineering Journal, 2014, 90, 294-300.	1.8	19
21	Extraction and Optimization of Guava Juice by Using Response Surface Methodology. American Journal of Food Technology, 2012, 7, 326-339.	0.2	19
22	Bioelectrochemical systems-based metal recovery: Resource, conservation and recycling of metallic industrial effluents. Environmental Research, 2022, 204, 112346.	3.7	18
23	Improved salt removal and power generation in a cascade of two hydraulically connected up-flow microbial desalination cells. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2018, 53, 326-337.	0.9	15
24	Bioelectrosynthesis of Organic and Inorganic Chemicals in Bioelectrochemical System. Journal of Hazardous, Toxic, and Radioactive Waste, 2020, 24, .	1.2	10
25	Removal of organic matters and nitrogenous pollutants simultaneously from two different wastewaters using biocathode microbial fuel cell. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 1265-1275.	0.9	9
26	Functional foods as a formulation ingredients in beverages: technological advancements and constraints. Bioengineered, 2021, 12, 11055-11075.	1.4	8
27	Challenges in the Design and Operation of an Efficient Photobioreactor for Microalgae Cultivation and Hydrogen Production. , 2017, , 147-162.		6
28	Invasive weed optimization coupled biomass and product dynamics of tuning soybean husk towards lipolytic enzyme. Bioresource Technology, 2022, 344, 126254.	4.8	6
29	Microbial Fuel Cell Technology for Bioelectricity Generation from Wastewaters. Energy, Environment, and Sustainability, 2018, , 237-258.	0.6	5
30	Effect of the organic load on salt removal efficiency of microbial desalination cell. , 0, 108, 112-118.		5
31	Energy Production in Microbial Desalination Cells and Its Effects on Desalinatio. , 0, 3, 71-76.		4
32	Potential of high energy compounds: Biohythane production. , 2021, , 165-176.		2
33	Oil and petrochemical industries wastewater treatment in bioelectrochemical systems. , 2020, , 157-173.		2
34	Microalgae in bioelectrochemical systems. , 2020, , 361-371.		1
35	Photosynthetic biogas upgrading: an attractive biological technology for biogas upgrading. , 2021, , 383-409.		1
36	Role of Mathematical and Statistical Modelling in Food Engineering. , 2020, , 1-4.		1

#	Article	IF	Citations
37	Sustainability Assessment of Microbial Fuel Cells. , 2019, , 313-330.		1
38	Electroactive Biofilms (EAB). , 2020, , 207-226.		1
39	Studies in preparation of banana wine (fruit wine). Nature Precedings, 2011, , .	0.1	0
40	Microfluidics in lipid extraction. , 2020, , 21-34.		0
41	Low carbon fuels and electro-biocommodities. , 2021, , 143-164.		0
42	Microbial Desalination Cell: A Sustainable Approach For Brackish Water Desalination And Wastewater Treatment With Bioelectricity Generation. , 2014, , .		0
43	Mathematical Modelling of High Pressure Processing in Food Engineering. , 2020, , 161-180.		0
44	Microbiology of Bioelectrochemical System. , 2021, , 105-112.		0
45	Bioelectroremediation of wastes using bioelectrochemical system. , 2022, , 103-115.		0
46	Bioelectrochemical methods in biomolecular analysis. , 2022, , 65-104.		0