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	Invasive weed optimization coupled biomass and product dynamics of tuning soybean husk towards lipolytic enzyme. Bioresource Technology, 2022, 344, 126254.	4.8	6
2	Bioelectrochemical systems-based metal recovery: Resource, conservation and recycling of metallic industrial effluents. Environmental Research, 2022, 204, 112346.	3.7	18
3	Bioelectroremediation of wastes using bioelectrochemical system. , 2022, , 103-115.		0
4	Bioelectrochemical methods in biomolecular analysis. , 2022, , 65-104.		0
5	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
6	Photosynthetic biogas upgrading: an attractive biological technology for biogas upgrading. , 2021, , 383-409.		1
7	Potential of high energy compounds: Biohythane production. , 2021, , 165-176.		2
8	Low carbon fuels and electro-biocommodities. , 2021, , 143-164.		0
9	Microbiology of Bioelectrochemical System. , 2021, , 105-112.		0
10	Functional foods as a formulation ingredients in beverages: technological advancements and constraints. Bioengineered, 2021, 12, 11055-11075.	1.4	8
11	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
12	Microfluidics in lipid extraction. , 2020, , 21-34.		0
13	Microalgae in bioelectrochemical systems. , 2020, , 361-371.		1
14	Circular economy aspects of lignin: Towards a lignocellulose biorefinery. Renewable and Sustainable Energy Reviews, 2020, 130, 109977.	8.2	135
15	Sustainable utilization of crop residues for energy generation: A life cycle assessment (LCA) perspective. Bioresource Technology, 2020, 303, 122964.	4.8	132
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	Bioelectrosynthesis of Organic and Inorganic Chemicals in Bioelectrochemical System. Journal of Hazardous, Toxic, and Radioactive Waste, 2020, 24, .	1.2	10
18	Role of Mathematical and Statistical Modelling in Food Engineering. , 2020, , 1-4.		1

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19	Oil and petrochemical industries wastewater treatment in bioelectrochemical systems. , 2020, , 157-173.		2
20	Mathematical Modelling of High Pressure Processing in Food Engineering. , 2020, , 161-180.		0
21	Electroactive Biofilms (EAB). , 2020, , 207-226.		1
22	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
23	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
24	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
25	Sustainability Assessment of Microbial Fuel Cells. , 2019, , 313-330.		1
26	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
27	Bioelectroremediation of perchlorate and nitrate contaminated water: A review. Bioresource Technology, 2018, 255, 331-339.	4.8	133
28	Microbial Fuel Cell Technology for Bioelectricity Generation from Wastewaters. Energy, Environment, and Sustainability, 2018, , 237-258.	0.6	5
29	Biofilm formation and electron transfer in bioelectrochemical systems. Environmental Technology Reviews, 2018, 7, 220-234.	2.1	23
30	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
31	Challenges in the Design and Operation of an Efficient Photobioreactor for Microalgae Cultivation and Hydrogen Production. , 2017, , 147-162.		6
32	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
33	Biohydrogen Production from Lignocellulosic Biomass: Technology and Sustainability. Energies, 2015, 8, 13062-13080.	1.6	114
34	A comprehensive impedance journey to continuous microbial fuel cells. Bioelectrochemistry, 2015, 106, 159-166.	2.4	22
35	Microbial desalination cells as a versatile technology: Functions, optimization and prospective. Desalination, 2015, 371, 9-17.	4.0	123
36	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

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37	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
38	Microbial Desalination Cell: A Sustainable Approach For Brackish Water Desalination And Wastewater Treatment With Bioelectricity Generation. , 2014, , .		0
39	High strength wastewater treatment accompanied by power generation using air cathode microbial fuel cell. Applied Energy, 2013, 105, 194-206.	5.1	188
40	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
41	The accurate use of impedance analysis for the study of microbial electrochemical systems. Chemical Society Reviews, 2012, 41, 7228.	18.7	222
42	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
43	Extraction and Optimization of Guava Juice by Using Response Surface Methodology. American Journal of Food Technology, 2012, 7, 326-339.	0.2	19
44	Studies in preparation of banana wine (fruit wine). Nature Precedings, 2011, , .	0.1	0
45	Energy Production in Microbial Desalination Cells and Its Effects on Desalinatio. , 0, 3, 71-76.		4
46	Effect of the organic load on salt removal efficiency of microbial desalination cell. , 0, 108, 112-118.		5