Ramesh Kakarla

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6081850/publications.pdf

Version: 2024-02-01

19	921	686830 13	940134 16
papers	citations	h-index	g-index

20	20	20	1171
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Apoptotic cell-derived exosomes: messages from dying cells. Experimental and Molecular Medicine, 2020, 52, 1-6.	3.2	181
2	Photoautotrophic microalgae Scenedesmus obliquus attached on a cathode as oxygen producers for microbial fuel cell (MFC) operation. International Journal of Hydrogen Energy, 2014, 39, 10275-10283.	3.8	125
3	Low-cost separators for enhanced power production and field application of microbial fuel cells (MFCs). Electrochimica Acta, 2014, 132, 434-440.	2.6	91
4	Microalgae Scenedesmus obliquus as renewable biomass feedstock for electricity generation in microbial fuel cells (MFCs). Frontiers of Environmental Science and Engineering, 2014, 8, 784-791.	3.3	83
5	Algae cathode microbial fuel cells for electricity generation and nutrient removal from landfill leachate wastewater. International Journal of Hydrogen Energy, 2017, 42, 29433-29442.	3.8	76
6	Highly flexible conductive fabrics with hierarchically nanostructured amorphous nickel tungsten tetraoxide for enhanced electrochemical energy storage. Nano Research, 2015, 8, 3749-3763.	5.8	65
7	Evaluation of microbial fuel cell operation using algae as an oxygen supplier: carbon paper cathode vs. carbon brush cathode. Bioprocess and Biosystems Engineering, 2014, 37, 2453-2461.	1.7	48
8	Sustainable electricity generation and ammonium removal by microbial fuel cell with a microalgae assisted cathode at various environmental conditions. Bioresource Technology, 2019, 284, 161-167.	4.8	45
9	Enhanced performance of an airâ€“cathode microbial fuel cell with oxygen supply from an externally connected algal bioreactor. Bioresource Technology, 2015, 195, 210-216.	4.8	44
10	Application of high-salinity stress for enhancing the lipid productivity of Chlorella sorokiniana HS1 in a two-phase process. Journal of Microbiology, 2018, 56, 56-64.	1.3	40
11	Increased power generation from primary sludge by a submersible microbial fuel cell and optimum operational conditions. Bioprocess and Biosystems Engineering, 2013, 36, 635-642.	1.7	31
12	The performance and long-term stability of low-cost separators in single-chamber bottle-type microbial fuel cells. Environmental Technology (United Kingdom), 2018, 39, 288-297.	1.2	30
13	Effect of influential factors on microbial growth and the correlation between current generation and biomass in an air cathode microbial fuel cell. International Journal of Hydrogen Energy, 2016, 41, 20606-20614.	3.8	19
14	Basic Principles of Microbial Fuel Cell: Technical Challenges and Economic Feasibility. , 2017, , 165-188.		16
15	Performance of an air-cathode microbial fuel cell under varied relative humidity conditions in the cathode chamber. Bioprocess and Biosystems Engineering, 2019, 42, 1247-1254.	1.7	9
16	Algaeâ€”The Potential Future Fuel: Challenges and Prospects. , 2017, , 239-251.		7
17	Determination of Microbial Growth by Protein Assay in an Air-Cathode Single Chamber Microbial Fuel Cell. Journal of Microbiology and Biotechnology, 2015, 25, 1114-1118.	0.9	5
18	Algal Biocathodes. , 2019, , 525-547.		4

#	Article	IF	Citations
19	Physicochemical Parameters Governing Microbial Fuel Cell Performance. , 2018, , 189-208.		1