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List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,733
citations

394421

19
h-index

642732

23
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24
all docs

24
docs citations

24
times ranked

2092
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrospun and solution blown three-dimensional carbon fiber nonwovens for application as electrodes in microbial fuel cells. <i>Energy and Environmental Science</i> , 2011, 4, 1417.	30.8	289
2	Electroactive mixed culture derived biofilms in microbial bioelectrochemical systems: The role of pH on biofilm formation, performance and composition. <i>Bioresource Technology</i> , 2011, 102, 9683-9690.	9.6	203
3	Cyclic voltammetric analysis of the electron transfer of <i>Shewanella oneidensis</i> MR-1 and nanofilament and cytochrome knock-out mutants. <i>Bioelectrochemistry</i> , 2011, 81, 74-80.	4.6	159
4	Coupling dark fermentation and microbial electrolysis to enhance bio-hydrogen production from agro-industrial wastewaters and by-products in a bio-refinery framework. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 1609-1621.	7.1	124
5	Electron transfer and biofilm formation of <i>Shewanella putrefaciens</i> as function of anode potential. <i>Bioelectrochemistry</i> , 2013, 93, 23-29.	4.6	122
6	Long-term continuous production of H ₂ in a microbial electrolysis cell (MEC) treating saline wastewater. <i>Water Research</i> , 2015, 81, 149-156.	11.3	99
7	Bidirectional microbial electron transfer: Switching an acetate oxidizing biofilm to nitrate reducing conditions. <i>Biosensors and Bioelectronics</i> , 2016, 75, 352-358.	10.1	88
8	Modeling and optimization strategies towards performance enhancement of microbial fuel cells. <i>Bioresource Technology</i> , 2021, 320, 124256.	9.6	88
9	Electrospun carbon fiber mat with layered architecture for anode in microbial fuel cells. <i>Electrochemistry Communications</i> , 2011, 13, 1026-1029.	4.7	81
10	Clean hydrogen production in a full biological microbial electrolysis cell. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 30524-30531.	7.1	63
11	Improvement of Biohydrogen Production from Solid Wastes by Intermittent Venting and Gas Flushing of Batch Reactors Headspace. <i>Environmental Science & Technology</i> , 2006, 40, 3409-3415.	10.0	62
12	High current density via direct electron transfer by the halophilic anode respiring bacterium <i>Geoalkalibacter subterraneus</i> . <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 19699.	2.8	54
13	Bioelectrochemical treatment of table olive brine processing wastewater for biogas production and phenolic compounds removal. <i>Water Research</i> , 2016, 100, 316-325.	11.3	49
14	Effect of inhibition treatment, type of inocula, and incubation temperature on batch H ₂ production from organic solid waste. <i>Biotechnology and Bioengineering</i> , 2006, 95, 342-349.	3.3	46
15	A comprehensive study on development of a biocathode for cleaner production of hydrogen in a microbial electrolysis cell. <i>Journal of Cleaner Production</i> , 2017, 164, 1135-1144.	9.3	42
16	Specific and efficient electrochemical selection of <i>Geoalkalibacter subterraneus</i> and <i>Desulfuromonas acetoxidans</i> in high current-producing biofilms. <i>Bioelectrochemistry</i> , 2015, 106, 221-225.	4.6	41
17	Effect of the Substrate to Inoculum Ratios on the Kinetics of Biogas Production during the Mesophilic Anaerobic Digestion of Food Waste. <i>Energies</i> , 2022, 15, 834.	3.1	34
18	Innovative operational strategies in photosynthetic biogas upgrading in an outdoors pilot scale algal-bacterial photobioreactor. <i>Chemosphere</i> , 2021, 264, 128470.	8.2	27

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19	Microbial characterization of anode-respiring bacteria within biofilms developed from cultures previously enriched in dissimilatory metal-reducing bacteria. <i>Bioresource Technology</i> , 2015, 195, 283-287.	9.6	23
20	Influence of the diffuser type and liquid-to-biogas ratio on biogas upgrading performance in an outdoor pilot scale high rate algal pond. <i>Fuel</i> , 2020, 275, 117999.	6.4	16
21	Elucidating the key environmental parameters during the production of ectoines from biogas by mixed methanotrophic consortia. <i>Journal of Environmental Management</i> , 2021, 298, 113462.	7.8	9
22	On the actual anode area that contributes to the current density produced by electroactive biofilms. <i>Electrochimica Acta</i> , 2018, 259, 395-401.	5.2	8
23	Microbial Electrochemically Assisted Treatment Wetlands: Current Flow Density as a Performance Indicator in Real-Scale Systems in Mediterranean and Northern European Locations. <i>Frontiers in Microbiology</i> , 2022, 13, 843135.	3.5	5
24	Electroactive Biofilms in Water and Air Pollution Treatment. , 2016, , 183-204.		1