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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 g-index
24 all docs	24 docs citations	24 times ranked	2092 citing authors

#	Article	IF	Citations
1	Effect of the Substrate to Inoculum Ratios on the Kinetics of Biogas Production during the Mesophilic Anaerobic Digestion of Food Waste. Energies, 2022, 15, 834.	3.1	34
2	Microbial Electrochemically Assisted Treatment Wetlands: Current Flow Density as a Performance Indicator in Real-Scale Systems in Mediterranean and Northern European Locations. Frontiers in Microbiology, 2022, 13, 843135.	3.5	5
3	Innovative operational strategies in photosynthetic biogas upgrading in an outdoors pilot scale algal-bacterial photobioreactor. Chemosphere, 2021, 264, 128470.	8.2	27
4	Modeling and optimization strategies towards performance enhancement of microbial fuel cells. Bioresource Technology, 2021, 320, 124256.	9.6	88
5	Elucidating the key environmental parameters during the production of ectoines from biogas by mixed methanotrophic consortia. Journal of Environmental Management, 2021, 298, 113462.	7.8	9
6	Influence of the diffuser type and liquid-to-biogas ratio on biogas upgrading performance in an outdoor pilot scale high rate algal pond. Fuel, 2020, 275, 117999.	6.4	16
7	Clean hydrogen production in a full biological microbial electrolysis cell. International Journal of Hydrogen Energy, 2019, 44, 30524-30531.	7.1	63
8	On the actual anode area that contributes to the current density produced by electroactive biofilms. Electrochimica Acta, 2018, 259, 395-401.	5.2	8
9	Coupling dark fermentation and microbial electrolysis to enhance bio-hydrogen production from agro-industrial wastewaters and by-products in a bio-refinery framework. International Journal of Hydrogen Energy, 2017, 42, 1609-1621.	7.1	124
10	A comprehensive study on development of a biocathode for cleaner production of hydrogen in a microbial electrolysis cell. Journal of Cleaner Production, 2017, 164, 1135-1144.	9.3	42
11	Bioelectrochemical treatment of table olive brine processing wastewater for biogas production and phenolic compounds removal. Water Research, 2016, 100, 316-325.	11.3	49
12	Bidirectional microbial electron transfer: Switching an acetate oxidizing biofilm to nitrate reducing conditions. Biosensors and Bioelectronics, 2016, 75, 352-358.	10.1	88
13	Electroactive Biofilms in Water and Air Pollution Treatment. , 2016, , 183-204.		1
14	Long-term continuous production of H 2 in a microbial electrolysis cell (MEC) treating saline wastewater. Water Research, 2015, 81, 149-156.	11.3	99
15	Microbial characterization of anode-respiring bacteria within biofilms developed from cultures previously enriched in dissimilatory metal-reducing bacteria. Bioresource Technology, 2015, 195, 283-287.	9.6	23
16	Specific and efficient electrochemical selection of Geoalkalibacter subterraneus and Desulfuromonas acetoxidans in high current-producing biofilms. Bioelectrochemistry, 2015, 106, 221-225.	4.6	41
17	Electron transfer and biofilm formation of Shewanella putrefaciens as function of anode potential. Bioelectrochemistry, 2013, 93, 23-29.	4.6	122
18	High current density via direct electron transfer by the halophilic anode respiring bacterium Geoalkalibacter subterraneus. Physical Chemistry Chemical Physics, 2013, 15, 19699.	2.8	54

#	Article	IF	Citations
19	Electrospun carbon fiber mat with layered architecture for anode in microbial fuel cells. Electrochemistry Communications, 2011, 13, 1026-1029.	4.7	81
20	Electroactive mixed culture derived biofilms in microbial bioelectrochemical systems: The role of pH on biofilm formation, performance and composition. Bioresource Technology, 2011, 102, 9683-9690.	9.6	203
21	Electrospun and solution blown three-dimensional carbon fiber nonwovens for application as electrodes in microbial fuel cells. Energy and Environmental Science, 2011, 4, 1417.	30.8	289
22	Cyclic voltammetric analysis of the electron transfer of Shewanella oneidensis MR-1 and nanofilament and cytochrome knock-out mutants. Bioelectrochemistry, 2011, 81, 74-80.	4.6	159
23	Improvement of Biohydrogen Production from Solid Wastes by Intermittent Venting and Gas Flushing of Batch Reactors Headspace. Environmental Science & Technology, 2006, 40, 3409-3415.	10.0	62
24	Effect of inhibition treatment, type of inocula, and incubation temperature on batch H2 production from organic solid waste. Biotechnology and Bioengineering, 2006, 95, 342-349.	3.3	46