

MarÃ-a JosÃ© Salar

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

811
citations

566801

15
h-index

642321

23
g-index

24
all docs

24
docs citations

24
times ranked

1196
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Effect of iron oxide content and microstructural porosity on the performance of ceramic membranes as microbial fuel cell separators. <i>Electrochimica Acta</i> , 2021, 367, 137385. | 2.6 | 20 |
| 2 | Impact of Inoculum Type on the Microbial Community and Power Performance of Urine-Fed Microbial Fuel Cells. <i>Microorganisms</i> , 2020, 8, 1921. | 1.6 | 18 |
| 3 | Discovering Low Toxicity Ionic Liquids for <i>Saccharomyces cerevisiae</i> by Using the Agar Well Diffusion Test. <i>Processes</i> , 2020, 8, 1163. | 1.3 | 17 |
| 4 | Long-term bio-power of ceramic microbial fuel cells in individual and stacked configurations. <i>Bioelectrochemistry</i> , 2020, 133, 107459. | 2.4 | 41 |
| 5 | Mixed transition metal-manganese oxides as catalysts in MFCs for bioenergy generation from industrial wastewater. <i>Biochemical Engineering Journal</i> , 2019, 151, 107310. | 1.8 | 17 |
| 6 | Evaluation of Ionic Liquids as In Situ Extraction Agents during the Alcoholic Fermentation of Carob Pod Extracts. <i>Fermentation</i> , 2019, 5, 90. | 1.4 | 7 |
| 7 | Electrocodeposition method to synthesize low-cost cathodes based on inert carriers for bioenergy production and wastewater treatment in microbial fuel cells. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, 13083. | 1.3 | 1 |
| 8 | Synthesis of low cost organometallic-type catalysts for their application in microbial fuel cell technology. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 2425-2435. | 1.2 | 5 |
| 9 | Preparation of new ferroelectric $\text{Li}_{0.95}\text{Ta}_{0.57}\text{Nb}_{0.38}\text{Cu}_{0.15}\text{O}_3$ materials as photocatalysts in microbial fuel cells. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 1656-1662. | 0.9 | 4 |
| 10 | Treatment of Mineral Oil Refinery Wastewater in Microbial Fuel Cells Using Ionic Liquid Based Separators. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 438. | 1.3 | 15 |
| 11 | Algerian Carob Tree Products: A Comprehensive Valorization Analysis and Future Prospects. <i>Sustainability</i> , 2018, 10, 90. | 1.6 | 14 |
| 12 | Ferroelectric LiTaO_3 as novel photoelectrocatalyst in microbial fuel cells. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 1568-1574. | 1.3 | 17 |
| 13 | On the use of ferroelectric material LiNbO_3 as novel photocatalyst in wastewater-fed microbial fuel cells. <i>Particuology</i> , 2017, 34, 147-155. | 2.0 | 41 |
| 14 | Keys for Bioethanol Production Processes by Fermentation and Ionic Liquid Extraction. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6986-6993. | 3.2 | 16 |
| 15 | Influence of ionic liquid composition on the stability of polyvinyl chloride-based ionic liquid inclusion membranes in aqueous solution. <i>AIChE Journal</i> , 2017, 63, 770-780. | 1.8 | 14 |
| 16 | Ionic liquid technology to recover volatile organic compounds (VOCs). <i>Journal of Hazardous Materials</i> , 2017, 321, 484-499. | 6.5 | 121 |
| 17 | Study of the effects of ionic liquid-modified cathodes and ceramic separators on MFC performance. <i>Chemical Engineering Journal</i> , 2016, 291, 317-324. | 6.6 | 27 |
| 18 | A critical review on microalgae as an alternative source for bioenergy production: A promising low cost substrate for microbial fuel cells. <i>Fuel Processing Technology</i> , 2016, 154, 104-116. | 3.7 | 159 |

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|----|---|-----|-----------|
| 19 | Influence of the preparation method of MnO ₂ -based cathodes on the performance of single-chamber MFCs using wastewater. Separation and Purification Technology, 2016, 171, 174-181. | 3.9 | 34 |
| 20 | Analysis of optimal conditions for biodiesel production from Jatropha oil in supercritical methanol: Quantification of thermal decomposition degree and analysis of FAMES. Journal of Supercritical Fluids, 2016, 112, 1-6. | 1.6 | 44 |
| 21 | Developments in microbial fuel cell modeling. Chemical Engineering Journal, 2015, 271, 50-60. | 6.6 | 138 |
| 22 | Development and characterization of a new embedded ionic liquid based membrane-cathode assembly for its application in single chamber microbial fuel cells. Energy, 2015, 93, 1748-1757. | 4.5 | 22 |
| 23 | Two-stage mesophilic anaerobic-thermophilic digestion for sludge sanitation to obtain advanced treated sludge. Chemical Engineering Journal, 2013, 230, 59-63. | 6.6 | 19 |