

Jean-Marie Fontmorin

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

889
citations

471509

17
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

1112
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability of 5,5-dimethyl-1-pyrroline-N-oxide as a spin-trap for quantification of hydroxyl radicals in processes based on Fenton reaction. <i>Water Research</i> , 2016, 99, 24-32.	11.3	217
2	Influence of temperature and other system parameters on microbial fuel cell performance: Numerical and experimental investigation. <i>Chemical Engineering Journal</i> , 2020, 388, 124176.	12.7	78
3	Electrochemical oxidation of 2,4-Dichlorophenoxyacetic acid: Analysis of by-products and improvement of the biodegradability. <i>Chemical Engineering Journal</i> , 2012, 195-196, 208-217.	12.7	73
4	Low cost and efficient alloy electrocatalysts for CO ₂ reduction to formate. <i>Journal of CO₂ Utilization</i> , 2019, 32, 1-10.	6.8	62
5	Combined process for 2,4-Dichlorophenoxyacetic acid treatment – Coupling of an electrochemical system with a biological treatment. <i>Biochemical Engineering Journal</i> , 2013, 70, 17-22.	3.6	59
6	Impact of applied cell voltage on the performance of a microbial electrolysis cell fully catalysed by microorganisms. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 2557-2568.	7.1	50
7	Parameters influencing the development of highly conductive and efficient biofilm during microbial electrosynthesis: the importance of applied potential and inorganic carbon source. <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 40.	6.4	45
8	Zinc removal and recovery from industrial wastewater with a microbial fuel cell: Experimental investigation and theoretical prediction. <i>Science of the Total Environment</i> , 2021, 776, 145934.	8.0	36
9	The effect of the polarised cathode, formate and ethanol on chain elongation of acetate in microbial electrosynthesis. <i>Applied Energy</i> , 2021, 283, 116310.	10.1	31
10	A new bipyridyl cobalt complex for reductive dechlorination of pesticides. <i>Electrochimica Acta</i> , 2016, 207, 313-320.	5.2	30
11	Gas diffusion electrodes modified with binary doped polyaniline for enhanced CO ₂ conversion during microbial electrosynthesis. <i>Electrochimica Acta</i> , 2021, 372, 137853.	5.2	28
12	Direct electrochemical oxidation of a pesticide, 2,4-dichlorophenoxyacetic acid, at the surface of a graphite felt electrode: Biodegradability improvement. <i>Comptes Rendus Chimie</i> , 2015, 18, 32-38.	0.5	25
13	High Performing Gas Diffusion Biocathode for Microbial Fuel Cells Using Acidophilic Iron Oxidizing Bacteria. <i>Frontiers in Energy Research</i> , 2019, 7, .	2.3	22
14	Reductive dechlorination of a chloroacetanilide herbicide in water by a Co complex-supported catalyst. <i>Molecular Catalysis</i> , 2017, 432, 8-14.	2.0	20
15	Dewatering and removal of metals from urban anaerobically digested sludge by Fenton's oxidation. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 495-505.	2.2	20
16	Metallic nanoparticles for electrocatalytic reduction of halogenated organic compounds: A review. <i>Electrochimica Acta</i> , 2021, 377, 138039.	5.2	20
17	How to go beyond C ₁ products with electrochemical reduction of CO ₂ . <i>Sustainable Energy and Fuels</i> , 2021, 5, 5893-5914.	4.9	19
18	Reductive dehalogenation of 1,3-dichloropropane by a [Ni(tetramethylcyclam)]Br ₂ -Nafion® modified electrode. <i>Electrochimica Acta</i> , 2014, 137, 511-517.	5.2	17

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19	Behaviour of 3,4-Dihydroxy-9,10-Anthraquinone-2-Sulfonic Acid in Alkaline Medium: Towards a Long-Cycling Aqueous Organic Redox Flow Battery. ChemElectroChem, 2021, 8, 2526-2533.	3.4	13
20	Enhanced bio-production from CO ₂ by microbial electrosynthesis (MES) with continuous operational mode. Faraday Discussions, 2021, 230, 344-359.	3.2	8
21	Enhancing hydrogen production through anode fed-batch mode and controlled cell voltage in a microbial electrolysis cell fully catalysed by microorganisms. Chemosphere, 2022, 288, 132548.	8.2	6
22	Stainless Steel-Based Materials for Energy Generation and Storage in Bioelectrochemical Systems Applications. ECS Transactions, 2018, 85, 1181-1192.	0.5	5
23	Addition of weak acids in electrolytes to prevent osmosis in aqueous organic redox flow batteries. Electrochemistry Communications, 2021, 132, 107148.	4.7	5
24	Toward a Sustainable Biocatalyst for the Oxygen Reduction Reaction in Microbial Fuel Cells. , 2020, , 385-401.		0