

Tonia Tommasi

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,065
citations

331538

21
h-index

434063

31
g-index

35
all docs

35
docs citations

35
times ranked

1443
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface modification of commercial carbon felt used as anode for Microbial Fuel Cells. <i>Energy</i> , 2016, 99, 193-201.	4.5	76
2	Energy sustainability of Microbial Fuel Cell (MFC): A case study. <i>Journal of Power Sources</i> , 2017, 356, 438-447.	4.0	72
3	Additive Manufacturing of a Microbial Fuel Cell—A detailed study. <i>Scientific Reports</i> , 2015, 5, 17373.	1.6	71
4	How to make sustainable CO ₂ conversion to Methanol: Thermocatalytic versus electrocatalytic technology. <i>Chemical Engineering Journal</i> , 2021, 417, 127973.	6.6	57
5	Electrochemical and impedance characterization of Microbial Fuel Cells based on 2D and 3D anodic electrodes working with seawater microorganisms under continuous operation. <i>Bioresource Technology</i> , 2015, 195, 139-146.	4.8	56
6	Energy balance of dark anaerobic fermentation as a tool for sustainability analysis. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 10202-10211.	3.8	54
7	Effects of pH variations on anodic marine consortia in a dual chamber microbial fuel cell. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 1820-1829.	3.8	51
8	Life Cycle Assessment of waste disposal from olive oil production: Anaerobic digestion and conventional disposal on soil. <i>Journal of Environmental Management</i> , 2019, 237, 94-102.	3.8	49
9	Pyrolytic carbon-coated stainless steel felt as a high-performance anode for bioelectrochemical systems. <i>Bioresource Technology</i> , 2016, 211, 664-668.	4.8	45
10	Anaerobic digestates from sewage sludge used as fertilizer on a poor alkaline sandy soil and on a peat substrate: Effects on tomato plants growth and on soil properties. <i>Journal of Environmental Management</i> , 2020, 269, 110767.	3.8	45
11	The study of electrochemically active planktonic microbes in microbial fuel cells in relation to different carbon-based anode materials. <i>Energy</i> , 2016, 106, 277-284.	4.5	44
12	Denitrification of water in a microbial fuel cell (MFC) using seawater bacteria. <i>Journal of Cleaner Production</i> , 2018, 178, 449-456.	4.6	44
13	BioH ₂ & BioCH ₄ Through Anaerobic Digestion. <i>Green Energy and Technology</i> , 2015, , .	0.4	36
14	A microbial fuel cell powering an all-digital piezoresistive wireless sensor system. <i>Microsystem Technologies</i> , 2014, 20, 1023-1033.	1.2	35
15	Evaluation of anaerobic digestates from sewage sludge as a potential solution for improvement of soil fertility. <i>Waste Management</i> , 2019, 99, 122-134.	3.7	34
16	Efficiency and efficacy of pre-treatment and bioreaction for bio-H ₂ energy production from organic waste. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 6491-6502.	3.8	33
17	Streamlining of commercial Berl saddles: A new material to improve the performance of microbial fuel cells. <i>Energy</i> , 2014, 71, 615-623.	4.5	33
18	Dynamical analysis of microbial fuel cells based on planar and 3D-packed anodes. <i>Chemical Engineering Journal</i> , 2016, 288, 38-49.	6.6	29

#	ARTICLE	IF	CITATIONS
19	New insights in Microbial Fuel Cells: novel solid phase anolyte. <i>Scientific Reports</i> , 2016, 6, 29091.	1.6	26
20	Recovery of humic acids from anaerobic sewage sludge: Extraction, characterization and encapsulation in alginate beads. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 277-285.	3.6	25
21	Energy valorisation of residues of dark anaerobic production of Hydrogen. <i>Journal of Cleaner Production</i> , 2012, 34, 91-97.	4.6	22
22	In situ continuous current production from marine floating microbial fuel cells. <i>Applied Energy</i> , 2018, 230, 78-85.	5.1	22
23	Enzymatic reduction of CO ₂ to formic acid using FDH immobilized on natural zeolite. <i>Journal of CO₂ Utilization</i> , 2020, 42, 101343.	3.3	22
24	Acid pre-treatment of sewage anaerobic sludge to increase hydrogen producing bacteria HPB: effectiveness and reproducibility. <i>Water Science and Technology</i> , 2008, 58, 1623-1628.	1.2	20
25	Synthesis and characterization of ordered mesoporous silicas for the immobilization of formate dehydrogenase (FDH). <i>International Journal of Biological Macromolecules</i> , 2021, 177, 261-270.	3.6	16
26	Experimental kinetics and dynamics of hydrogen production on glucose by hydrogen forming bacteria (HFB) culture. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 753-763.	3.8	15
27	On the pre-treatment of municipal organic waste towards fuel production: a review. <i>International Journal of Environment and Pollution</i> , 2012, 49, 226.	0.2	12
28	Tackling Marine Microplastics Pollution: an Overview of Existing Solutions. <i>Water, Air, and Soil Pollution</i> , 2022, 233, .	1.1	9
29	Conventional and ultrasound-assisted extraction of rice bran oil with isopropanol as solvent. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 29, 100741.	1.6	6
30	Covalent Immobilization of Aldehyde and Alcohol Dehydrogenases on Ordered Mesoporous Silicas. <i>Waste and Biomass Valorization</i> , 2022, 13, 4043-4055.	1.8	4
31	Hydrogen Production from Biowaste. <i>Green Energy and Technology</i> , 2015, , 107-135.	0.4	2
32	Net Energy Production of H ₂ in Anaerobic Digestion. <i>Green Energy and Technology</i> , 2015, , 85-105.	0.4	0
33	Valorization of Liquid End-Residues of H ₂ Production by Microbial Fuel Cell. <i>Green Energy and Technology</i> , 2015, , 137-159.	0.4	0
34	The Bioenergy-Fertilizer Nexus: A Challenge Achievable from Municipal Wastewater. <i>UNIPA Springer Series</i> , 2021, , 143-166.	0.1	0