

Matia Mainardis

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

660
citations

567144

15
h-index

610775

24
g-index

28
all docs

28
docs citations

28
times ranked

571
citing authors

#	ARTICLE	IF	CITATIONS
1	Up-Flow Anaerobic Sludge Blanket (UASB) Technology for Energy Recovery: A Review on State-of-the-Art and Recent Technological Advances. <i>Bioengineering</i> , 2020, 7, 43.	1.6	118
2	Wastewater fertigation in agriculture: Issues and opportunities for improved water management and circular economy. <i>Environmental Pollution</i> , 2022, 296, 118755.	3.7	58
3	Evaluation of ozonation applicability to pulp and paper streams for a sustainable wastewater treatment. <i>Journal of Cleaner Production</i> , 2020, 258, 120781.	4.6	51
4	Techno-economic feasibility of anaerobic digestion of cheese whey in small Italian dairies and effect of ultrasound pre-treatment on methane yield. <i>Journal of Environmental Management</i> , 2019, 246, 557-563.	3.8	49
5	100% renewable wastewater treatment plants: Techno-economic assessment using a modelling and optimization approach. <i>Energy Conversion and Management</i> , 2021, 239, 114214.	4.4	39
6	Life cycle assessment of sewage sludge pretreatment for biogas production: From laboratory tests to full-scale applicability. <i>Journal of Cleaner Production</i> , 2021, 322, 129056.	4.6	37
7	Processes, applications and legislative framework for carbonized anaerobic digestate: Opportunities and bottlenecks. A critical review. <i>Energy Conversion and Management</i> , 2022, 263, 115691.	4.4	36
8	Techno-economic analysis of anaerobic digestion implementation in small Italian breweries and evaluation of biochar and granular activated carbon addition effect on methane yield. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103184.	3.3	35
9	Preliminary evaluation of potential methane production from anaerobic digestion of beach-cast seagrass wrack: The case study of high-adriatic coast. <i>Journal of Cleaner Production</i> , 2020, 254, 120131.	4.6	26
10	Comparison between flaming, mowing and tillage weed control in the vineyard: Effects on plant community, diversity and abundance. <i>PLoS ONE</i> , 2020, 15, e0238396.	1.1	25
11	Alternative seagrass wrack management practices in the circular bioeconomy framework: A life cycle assessment approach. <i>Science of the Total Environment</i> , 2021, 798, 149283.	3.9	23
12	Demand-Response Application in Wastewater Treatment Plants Using Compressed Air Storage System: A Modelling Approach. <i>Energies</i> , 2020, 13, 4780.	1.6	22
13	Characterization and BMP Tests of Liquid Substrates for High-rate Anaerobic Digestion. <i>Chemical and Biochemical Engineering Quarterly</i> , 2018, 31, 509-518.	0.5	22
14	Combined ultrasound-ozone treatment for reutilization of primary effluent—a preliminary study. <i>Environmental Science and Pollution Research</i> , 2021, 28, 700-710.	2.7	17
15	Field Testing of a Biomass-Fueled Flamer for In-Row Weed Control in the Vineyard. <i>Agriculture (Switzerland)</i> , 2019, 9, 210.	1.4	16
16	Pilot-UASB reactor tests for anaerobic valorisation of high-loaded liquid substrates in friulian mountain area. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103348.	3.3	15
17	MONITORING OF HEAVY METALS, EOX AND LAS IN SEWAGE SLUDGE FOR AGRICULTURAL USE: A CASE STUDY. <i>Detritus</i> , 2020, , 160-168.	0.4	15
18	Environmental methane emissions from seagrass wrack and evaluation of salinity effect on microbial community composition. <i>Journal of Cleaner Production</i> , 2021, 285, 125426.	4.6	13

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19	Respirometry tests in wastewater treatment: Why and how? A critical review. Science of the Total Environment, 2021, 793, 148607.	3.9	13
20	Psychrophilic treatment of municipal wastewater with a combined UASB/ASD system, and perspectives for improving urban WWTP sustainability. Chemosphere, 2022, 297, 134228.	4.2	12
21	Biomethane Potential of Sludges from a Brackish Water Fish Hatchery. Applied Sciences (Switzerland), 2021, 11, 552.	1.3	8
22	Sustainable Alternatives for Tertiary Treatment of Pulp and Paper Wastewater. Sustainability, 2022, 14, 6047.	1.6	3
23	Energy use and management in the winery. , 2022, , 221-238.		2
24	Integration of sludge ozonation with anaerobic digestion: From batch testing to scenario analysis with energy, economic and environmental assessment. Resources, Conservation and Recycling, 2022, 186, 106539.	5.3	2
25	The winery in a perspective of sustainability: the parameters to be measured and their reliability. , 2019, , .		1
26	Anaerobic Digestion of Brackish and High Salinity Aquaculture Sludges. , 2021, , .		1
27	A Biomass-Fueled Flamer for In-Row Weed Control in Vineyards: An Economic Evaluation. Lecture Notes in Civil Engineering, 2020, , 381-388.	0.3	1