

Judith González-Arias

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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times ranked

301
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrothermal carbonization of biomass and waste: A review. <i>Environmental Chemistry Letters</i> , 2022, 20, 211-221.	8.3	61
2	Hydrothermal Carbonization of Olive Tree Pruning as a Sustainable Way for Improving Biomass Energy Potential: Effect of Reaction Parameters on Fuel Properties. <i>Processes</i> , 2020, 8, 1201.	1.3	42
3	Enhancing Anaerobic Digestion: The Effect of Carbon Conductive Materials. <i>Journal of Carbon Research</i> , 2018, 4, 59.	1.4	41
4	Insights into the product quality and energy requirements for solid biofuel production: A comparison of hydrothermal carbonization, pyrolysis and torrefaction of olive tree pruning. <i>Energy</i> , 2022, 238, 122022.	4.5	33
5	Integrating anaerobic digestion and pyrolysis for treating digestates derived from sewage sludge and fat wastes. <i>Environmental Science and Pollution Research</i> , 2020, 27, 32603-32614.	2.7	29
6	Optimizing hydrothermal carbonization of olive tree pruning: A techno-economic analysis based on experimental results. <i>Science of the Total Environment</i> , 2021, 784, 147169.	3.9	29
7	Biochar and Energy Production: Valorizing Swine Manure through Coupling Co-Digestion and Pyrolysis. <i>Journal of Carbon Research</i> , 2020, 6, 43.	1.4	25
8	Valorization of biomass-derived CO ₂ residues with Cu-MnO _x catalysts for RWGS reaction. <i>Renewable Energy</i> , 2022, 182, 443-451.	4.3	22
9	Promoting bioeconomy routes: From food waste to green biomethane. A profitability analysis based on a real case study in eastern Germany. <i>Journal of Environmental Management</i> , 2021, 300, 113788.	3.8	21
10	Unprofitability of small biogas plants without subsidies in the Brandenburg region. <i>Environmental Chemistry Letters</i> , 2021, 19, 1823-1829.	8.3	20
11	Biogas upgrading to biomethane as a local source of renewable energy to power light marine transport: Profitability analysis for the county of Cornwall. <i>Waste Management</i> , 2022, 137, 81-88.	3.7	16
12	Management of off-specification compost by using co-hydrothermal carbonization with olive tree pruning. Assessing energy potential of hydrochar. <i>Waste Management</i> , 2021, 124, 224-234.	3.7	15
13	Integrating Anaerobic Digestion of Pig Slurry and Thermal Valorisation of Biomass. <i>Waste and Biomass Valorization</i> , 2020, 11, 6125-6137.	1.8	14
14	A techno-economic study of HTC processes coupled with power facilities and oxy-combustion systems. <i>Energy</i> , 2021, 219, 119651.	4.5	14
15	Performance evaluation of a small-scale digester for achieving decentralised management of waste. <i>Waste Management</i> , 2020, 118, 99-109.	3.7	12
16	Syngas production using CO ₂ -rich residues: From ideal to real operating conditions. <i>Journal of CO₂ Utilization</i> , 2021, 52, 101661.	3.3	10
17	Assessment of electrooxidation as pre- and post-treatments for improving anaerobic digestion and stabilisation of waste activated sludge. <i>Journal of Environmental Management</i> , 2021, 288, 112365.	3.8	9
18	Enhancing biomethane production by biochar addition during anaerobic digestion is economically unprofitable. <i>Environmental Chemistry Letters</i> , 2022, 20, 991-997.	8.3	9

#	ARTICLE	IF	CITATIONS
19	Evaluation of Joint Management of Pine Wood Waste and Residual Microalgae for Agricultural Application. Sustainability, 2021, 13, 53.	1.6	8
20	Profitability analysis of thermochemical processes for biomass-waste valorization: a comparison of dry vs wet treatments. Science of the Total Environment, 2022, 811, 152240.	3.9	8
21	Economic approach for CO2 valorization from hydrothermal carbonization gaseous streams via reverse water-gas shift reaction. Fuel, 2022, 313, 123055.	3.4	6
22	Pyrolysed almond shells used as electrodes in microbial electrolysis cell. Biomass Conversion and Biorefinery, 2022, 12, 313-321.	2.9	5
23	Description of a Decentralized Small Scale Digester for Treating Organic Wastes. Environments - MDPI, 2020, 7, 78.	1.5	3
24	Bioconversion and Biorefineries: Recent Advances and Applications. Biofuel and Biorefinery Technologies, 2020, , 185-227.	0.1	0