

# Fabio Codignole Luz

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

759  
citations

758635

12  
h-index

752256

20  
g-index

24  
all docs

24  
docs citations

24  
times ranked

947  
citing authors

#	ARTICLE	IF	CITATIONS
1	Techno-economic analysis of municipal solid waste gasification for electricity generation in Brazil. <i>Energy Conversion and Management</i> , 2015, 103, 321-337.	4.4	158
2	Biochar characteristics and early applications in anaerobic digestion-a review. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 2892-2909.	3.3	114
3	Spent coffee enhanced biomethane potential via an integrated hydrothermal carbonization-anaerobic digestion process. <i>Bioresource Technology</i> , 2018, 256, 102-109.	4.8	88
4	Construction of novel microbial consortia CS-5 and BC-4 valued for the degradation of catalpa sawdust and chlorophenols simultaneously with enhancing methane production. <i>Bioresource Technology</i> , 2020, 301, 122720.	4.8	50
5	Enhanced digestion of bio-pretreated sawdust using a novel bacterial consortium: Microbial community structure and methane-producing pathways. <i>Fuel</i> , 2019, 254, 115604.	3.4	49
6	Enhanced anaerobic digestion performance by two artificially constructed microbial consortia capable of woody biomass degradation and chlorophenols detoxification. <i>Journal of Hazardous Materials</i> , 2020, 389, 122076.	6.5	47
7	Biomass fast pyrolysis in screw reactors: Prediction of spent coffee grounds bio-oil production through a monodimensional model. <i>Energy Conversion and Management</i> , 2018, 168, 98-106.	4.4	44
8	Anaerobic digestion of coffee grounds soluble fraction at laboratory scale: Evaluation of the biomethane potential. <i>Applied Energy</i> , 2017, 207, 166-175.	5.1	40
9	<i>Ampeledesmos mauritanicus</i> pyrolysis biochar in anaerobic digestion process: Evaluation of the biogas yield. <i>Energy</i> , 2018, 161, 663-669.	4.5	34
10	Electricity generation from pyrolysis gas produced in charcoal manufacture: Technical and economic analysis. <i>Journal of Cleaner Production</i> , 2018, 194, 219-242.	4.6	28
11	Anaerobic Digestion of Liquid Fraction Coffee Grounds at Laboratory Scale: Evaluation of the Biogas Yield. <i>Energy Procedia</i> , 2017, 105, 1096-1101.	1.8	18
12	Enhancement of energy and combustion properties of hydrochar via citric acid catalysed secondary char production. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 10527-10538.	2.9	16
13	Biomass fast pyrolysis in a shaftless screw reactor: A 1-D numerical model. <i>Energy</i> , 2018, 157, 792-805.	4.5	14
14	Biomass pyrolysis modeling of systems at laboratory scale with experimental validation. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2018, 28, 413-438.	1.6	13
15	Potential pitfalls on the scalability of laboratory-based research for hydrothermal carbonization. <i>Fuel</i> , 2022, 315, 123189.	3.4	13
16	Biomass furnace study via 3D numerical modeling. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2016, 26, 515-533.	1.6	12
17	Analysis of Residual Biomass Fast Pyrolysis at Laboratory Scale: Experimental and Numerical Evaluation of Spent Coffee Powders Energy Content. <i>Energy Procedia</i> , 2017, 105, 817-822.	1.8	11
18	A Detailed Study of a Multi-MW Biomass Combustor by Numerical Analysis: Evaluation of Fuel Characteristics Impact. <i>Energy Procedia</i> , 2014, 61, 751-755.	1.8	5

#	ARTICLE	IF	CITATIONS
19	Pyrolysis in screw reactors: a 1-D numerical tool. Energy Procedia, 2017, 126, 683-689.	1.8	3
20	BIOMASS FAST PYROLYSIS PROCESS AT LABORATORY SCALE: RESIDENCE TIME AND HEATING UP EVALUATION IN A SHAFTLESS SCREW REACTOR BY MEANS OF A DISCRETE ELEMENT MODEL APPROACH. , 2017, , .		1
21	Characterization of Italian food waste bio-methane potential evaluation via anaerobic digestion. AIP Conference Proceedings, 2021, , .	0.3	0
22	Ampelodesmos Mauritanicus Pyrolysis Biochar in Anaerobic Digestion Process: Evaluation of the Biogas Yield. , 0, , .		0