

# Cristina Cavinato

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

2,656  
citations

236925

25  
h-index

330143

37  
g-index

41  
all docs

41  
docs citations

41  
times ranked

2828  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochemical methane potential (BMP) of solid organic substrates: evaluation of anaerobic biodegradability using data from an international interlaboratory study. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 1088-1098.	3.2	411
2	Bio-hythane production from food waste by dark fermentation coupled with anaerobic digestion process: A long-term pilot scale experience. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 11549-11555.	7.1	175
3	Thermophilic anaerobic co-digestion of cattle manure with agro-wastes and energy crops: Comparison of pilot and full scale experiences. <i>Bioresource Technology</i> , 2010, 101, 545-550.	9.6	172
4	Mesophilic and thermophilic anaerobic co-digestion of waste activated sludge and source sorted biowaste in pilot- and full-scale reactors. <i>Renewable Energy</i> , 2013, 55, 260-265.	8.9	172
5	Optimization of two-phase thermophilic anaerobic digestion of biowaste for hydrogen and methane production through reject water recirculation. <i>Bioresource Technology</i> , 2011, 102, 8605-8611.	9.6	166
6	Effect of trace element supplementation on the mesophilic anaerobic digestion of foodwaste in batch trials: The influence of inoculum origin. <i>Biochemical Engineering Journal</i> , 2013, 70, 71-77.	3.6	158
7	Recent developments in biohythane production from household food wastes: A review. <i>Bioresource Technology</i> , 2018, 257, 311-319.	9.6	122
8	Co-digestion of livestock effluents, energy crops and agro-waste: Feeding and process optimization in mesophilic and thermophilic conditions. <i>Bioresource Technology</i> , 2013, 128, 612-618.	9.6	109
9	High rate mesophilic, thermophilic, and temperature phased anaerobic digestion of waste activated sludge: A pilot scale study. <i>Waste Management</i> , 2012, 32, 1196-1201.	7.4	108
10	Changes in microbial community during hydrogen and methane production in two-stage thermophilic anaerobic co-digestion process from biowaste. <i>Waste Management</i> , 2016, 49, 40-46.	7.4	98
11	Pilot scale comparison of single and double-stage thermophilic anaerobic digestion of food waste. <i>Journal of Cleaner Production</i> , 2018, 171, 1376-1385.	9.3	92
12	Influence of temperature and hydraulic retention on the production of volatile fatty acids during anaerobic fermentation of cow manure and maize silage. <i>Bioresource Technology</i> , 2017, 223, 59-64.	9.6	88
13	Food wastes and sewage sludge as feedstock for an urban biorefinery producing biofuels and added-value bioproducts. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 328-338.	3.2	71
14	Mesophilic and thermophilic anaerobic digestion of the liquid fraction of pressed biowaste for high energy yields recovery. <i>Waste Management</i> , 2016, 48, 227-235.	7.4	65
15	Biohydrogen production from food waste in batch and semi-continuous conditions: Evaluation of a two-phase approach with digestate recirculation for pH control. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 4351-4360.	7.1	57
16	Best available carbon sources to enhance the via-nitrite biological nutrients removal from supernatants of anaerobic co-digestion. <i>Chemical Engineering Journal</i> , 2013, 215-216, 15-22.	12.7	54
17	Renewable energy from thermophilic anaerobic digestion of winery residue: Preliminary evidence from batch and continuous lab-scale trials. <i>Biomass and Bioenergy</i> , 2016, 91, 150-159.	5.7	54
18	Enhancing volatile fatty acids (VFA) production from food waste in a two-phases pilot-scale anaerobic digestion process. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106062.	6.7	50

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19	Winery waste recycling through anaerobic co-digestion with waste activated sludge. <i>Waste Management</i> , 2014, 34, 2028-2035.	7.4	48
20	Thermophilic two-phase anaerobic digestion of source-sorted organic fraction of municipal solid waste for bio-hythane production: effect of recirculation sludge on process stability and microbiology over a long-term pilot-scale experience. <i>Water Science and Technology</i> , 2014, 69, 2200-2209.	2.5	47
21	Anaerobic digestion of bio-waste: A mini-review focusing on territorial and environmental aspects. <i>Waste Management and Research</i> , 2015, 33, 429-438.	3.9	45
22	Mesophilic and thermophilic anaerobic co-digestion of winery wastewater sludge and wine lees: An integrated approach for sustainable wine production. <i>Journal of Environmental Management</i> , 2017, 203, 745-752.	7.8	45
23	First international comparative study of volatile fatty acids in aqueous samples by chromatographic techniques: Evaluating sources of error. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 51, 127-143.	11.4	34
24	Smart Approaches to Food Waste Final Disposal. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2860.	2.6	33
25	Assessing the potential phytotoxicity of digestate from winery wastes. <i>Ecotoxicology and Environmental Safety</i> , 2018, 150, 26-33.	6.0	28
26	Quality improvement in determination of chemical oxygen demand in samples considered difficult to analyze, through participation in proficiency-testing schemes. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 1082-1091.	11.4	24
27	Two-phase thermophilic anaerobic digestion process for biohythane production treating biowaste: preliminary results. <i>Water Science and Technology</i> , 2011, 64, 715-721.	2.5	23
28	Anaerobic co-digestion of winery waste and waste activated sludge: assessment of process feasibility. <i>Water Science and Technology</i> , 2014, 69, 269-277.	2.5	22
29	An interlaboratory study as useful tool for proficiency testing of chemical oxygen demand measurements using solid substrates and liquid samples with high suspended solid content. <i>Talanta</i> , 2009, 80, 329-337.	5.5	21
30	Treatment of waste activated sludge together with agro-waste by anaerobic digestion: focus on effluent quality. <i>Water Science and Technology</i> , 2014, 69, 525-531.	2.5	15
31	Producing Biohythane from Urban Organic Wastes. <i>Waste and Biomass Valorization</i> , 2020, 11, 2367-2374.	3.4	14
32	Contamination of groundwater: obligations of non-responsible parties. <i>Environmental Forensics</i> , 2019, 20, 316-338.	2.6	6
33	Two-Phase Anaerobic Digestion of Food Wastes for Hydrogen and Methane Production. <i>Green Energy and Technology</i> , 2016, , 75-90.	0.6	6
34	OPTIMIZATION OF THERMOPHILIC ANAEROBIC DIGESTION OF WINERY BIO-WASTE BY MICRO-NUTRIENTS AUGMENTATION. <i>Environmental Engineering and Management Journal</i> , 2015, 14, 1535-1542.	0.6	5
35	Cycling batch vs continuous enrichment of endogenous nitrifiers in membrane bioreactors treating petrochemical wastewater. <i>Desalination and Water Treatment</i> , 2011, 35, 131-137.	1.0	3
36	Development and application of an automatic feeding control to manage anaerobic co-digestion of winery wastes. <i>Journal of Cleaner Production</i> , 2017, 161, 75-83.	9.3	3

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37	Anaerobic Co-Digestion Effluent as Substrate for <i>Chlorella vulgaris</i> and <i>Scenedesmus obliquus</i> Cultivation. <i>Energies</i> , 2020, 13, 4880.	3.1	3
38	Two-phase thermophilic anaerobic digestion of biowaste for bio-hythane production: Yields and feasibility of the process. <i>Journal of Biotechnology</i> , 2010, 150, 162-162.	3.8	1