

# Tania Forster-Carneiro

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70  
papers

1,937  
citations

26  
h-index

42  
g-index

77  
ext. papers

2,573  
ext. citations

6.4  
avg, IF

5.23  
L-index

#	Paper	IF	Citations
70	Research progress, trends, and updates on anaerobic digestion technology: A bibliometric analysis. <i>Journal of Cleaner Production</i> , <b>2022</b> , 331, 130004	10.3	12
69	Subcritical water hydrolysis of poultry feathers for amino acids production. <i>Journal of Supercritical Fluids</i> , <b>2022</b> , 181, 105492	4.2	0
68	Techno-economic evaluation of bioenergy production from anaerobic digestion of by-products from ethanol flex plants. <i>Fuel</i> , <b>2022</b> , 309, 122171	7.1	9
67	Sustainable production of bioactive compounds from jabuticaba ( <i>Myrciaria cauliflora</i> ): A bibliometric analysis of scientific research over the last 21 years. <i>Sustainable Chemistry and Pharmacy</i> , <b>2022</b> , 27, 100656	3.9	0
66	Cost analysis of subcritical water pretreatment of sugarcane straw and bagasse for second-generation bioethanol production: a case study in a sugarcane mill. <i>Biofuels, Bioproducts and Biorefining</i> , <b>2022</b> , 16, 435-450	5.3	2
65	Ultrasonic pretreatment of brewers spent grains for anaerobic digestion: Biogas production for a sustainable industrial development. <i>Journal of Cleaner Production</i> , <b>2022</b> , 131802	10.3	2
64	Foresight for Corn-to-Ethanol Mills in the Southern Brazilian Amazon: Energy, Economic and Environmental Analysis. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 106740	6.8	0
63	Design and techno-economic analysis of a hybrid system for energy supply in a wastewater treatment plant: A decentralized energy strategy.. <i>Journal of Environmental Management</i> , <b>2021</b> , 305, 114389	7.9	1
62	Sustainable development in the Legal Amazon: energy recovery from açúcares. <i>Biofuels, Bioproducts and Biorefining</i> , <b>2021</b> , 15, 1174	5.3	3
61	Techno-economic assessment of bioenergy and fertilizer production by anaerobic digestion of brewer spent grains in a biorefinery concept. <i>Journal of Cleaner Production</i> , <b>2021</b> , 297, 126600	10.3	24
60	Waste management and bioenergy recovery from açúcares processing in the Brazilian Amazonian region: a perspective for a circular economy. <i>Biofuels, Bioproducts and Biorefining</i> , <b>2021</b> , 15, 37-46	5.3	10
59	A spatially explicit assessment of sugarcane vinasse as a sustainable by-product. <i>Science of the Total Environment</i> , <b>2021</b> , 765, 142717	10.2	11
58	Sequential hydrothermal process for production of flavanones and sugars from orange peel: an economic assessment. <i>Biofuels, Bioproducts and Biorefining</i> , <b>2021</b> , 15, 202-217	5.3	7
57	Valorization of Macaúba husks from biodiesel production using subcritical water hydrolysis pretreatment followed by anaerobic digestion. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105656	6.8	6
56	Comprehensive analysis of phenolic compounds from natural products: Integrating sample preparation and analysis. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1178, 338845	6.6	3
55	Application in situ of biodegradable films produced with starch, citric pectin and functionalized with feijoa ( <i>Acca sellowiana</i> (Berg) Burret) extracts: An effective proposal for food conservation. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 189, 544-553	7.9	5
54	Techno-economic assessment of subcritical water hydrolysis process for sugars production from brewer spent grains. <i>Industrial Crops and Products</i> , <b>2021</b> , 171, 113836	5.9	6

53	Subcritical water hydrolysis pretreatment of sugarcane bagasse to produce second generation ethanol. <i>Journal of Supercritical Fluids</i> , <b>2020</b> , 164, 104916	4.2	6
52	Sequential subcritical water process applied to orange peel for the recovery flavanones and sugars. <i>Journal of Supercritical Fluids</i> , <b>2020</b> , 160, 104789	4.2	18
51	Two-stage anaerobic digestion of orange peel without pre-treatment: Experimental evaluation and application to Sã Paulo state. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 104035	6.8	13
50	An overview of subcritical and supercritical water treatment of different biomasses for protein and amino acids production and recovery. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 104406	6.8	15
49	Extraction of Flavonoids From Natural Sources Using Modern Techniques. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 507887	5	67
48	Bioenergy production from orange industrial waste: a case study. <i>Biofuels, Bioproducts and Biorefining</i> , <b>2020</b> , 14, 1239-1253	5.3	13
47	Environmental impact assessment of end-uses of biomethane. <i>Journal of Cleaner Production</i> , <b>2019</b> , 230, 613-621	10.3	27
46	Integration of subcritical water pretreatment and anaerobic digestion technologies for valorization of aãi processing industries residues. <i>Journal of Cleaner Production</i> , <b>2019</b> , 228, 1131-1142	10.3	32
45	Analysis of metabolite profiles of <i>Saccharomyces cerevisiae</i> strains suitable for butanol production. <i>FEMS Microbiology Letters</i> , <b>2019</b> , 366,	2.9	2
44	Production of biofuel precursors and value-added chemicals from hydrolysates resulting from hydrothermal processing of biomass: A review. <i>Biomass and Bioenergy</i> , <b>2019</b> , 130, 105397	5.3	34
43	An integrated approach to explore UASB reactors for energy recycling in pulp and paper industry: a case study in Brazil. <i>Biofuel Research Journal</i> , <b>2019</b> , 6, 1039-1045	13.9	8
42	Subcritical water hydrolysis of brewer's spent grains: Selective production of hemicellulosic sugars (C-5 sugars). <i>Journal of Supercritical Fluids</i> , <b>2019</b> , 145, 19-30	4.2	38
41	Subcritical water extraction of flavanones from defatted orange peel. <i>Journal of Supercritical Fluids</i> , <b>2018</b> , 138, 7-16	4.2	82
40	Start-up phase of a two-stage anaerobic co-digestion process: hydrogen and methane production from food waste and vinasse from ethanol industry. <i>Biofuel Research Journal</i> , <b>2018</b> , 5, 813-820	13.9	28
39	Co-digestion of coffee residues and sugarcane vinasse for biohythane generation. <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 146-155	6.8	24
38	A review of research trends in the enhancement of biomass-to-hydrogen conversion. <i>Waste Management</i> , <b>2018</b> , 79, 580-594	8.6	22
37	Anaerobic digestion process: technological aspects and recent developments. <i>International Journal of Environmental Science and Technology</i> , <b>2018</b> , 15, 2033-2046	3.3	41
36	Polymer modification from semi-defatted annatto seeds using hot pressurized water and supercritical CO <sub>2</sub> . <i>Journal of Supercritical Fluids</i> , <b>2017</b> , 129, 48-55	4.2	11

35	Valorization of Residual Biomasses from the Agri-Food Industry by Subcritical Water Hydrolysis Assisted by CO <sub>2</sub> . <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 2838-2846	4.1	14
34	Obtaining bixin from semi-defatted annatto seeds by a mechanical method and solvent extraction: Process integration and economic evaluation. <i>Food Research International</i> , <b>2017</b> , 99, 393-402	7	17
33	Characterization and analysis of specific energy consumption in the Brazilian agricultural sector. <i>International Journal of Environmental Science and Technology</i> , <b>2017</b> , 14, 2077-2092	3.3	3
32	Formation of an external char layer during subcritical water hydrolysis of biomass. <i>Sustainable Energy and Fuels</i> , <b>2017</b> , 1, 1950-1959	5.8	10
31	Sugars and char formation on subcritical water hydrolysis of sugarcane straw. <i>Bioresource Technology</i> , <b>2017</b> , 243, 1069-1077	11	38
30	Influence of ultrasound irradiation pre-treatment in biohythane generation from the thermophilic anaerobic co-digestion of sugar production residues. <i>Journal of Environmental Chemical Engineering</i> , <b>2017</b> , 5, 3749-3758	6.8	8
29	Valorization of coffee industry residues by subcritical water hydrolysis: Recovery of sugars and phenolic compounds. <i>Journal of Supercritical Fluids</i> , <b>2017</b> , 120, 75-85	4.2	72
28	Applications of subcritical and supercritical water conditions for extraction, hydrolysis, gasification, and carbonization of biomass: a critical review. <i>Biofuel Research Journal</i> , <b>2017</b> , 4, 611-626	13.9	40
27	Subcritical water hydrolysis of sugarcane bagasse: An approach on solid residues characterization. <i>Journal of Supercritical Fluids</i> , <b>2016</b> , 108, 69-78	4.2	53
26	Sub- and supercritical water hydrolysis of agricultural and food industry residues for the production of fermentable sugars: A review. <i>Food and Bioproducts Processing</i> , <b>2016</b> , 98, 95-123	4.9	78
25	Subcritical and supercritical technology for the production of second generation bioethanol. <i>Critical Reviews in Biotechnology</i> , <b>2015</b> , 35, 302-12	9.4	19
24	The study of model systems subjected to sub- and supercritical water hydrolysis for the production of fermentable sugars. <i>Green Chemistry Letters and Reviews</i> , <b>2015</b> , 8, 16-30	4.7	5
23	Pressurized liquid extraction and low-pressure solvent extraction of carotenoids from pressed palm fiber: Experimental and economical evaluation. <i>Food and Bioproducts Processing</i> , <b>2015</b> , 94, 90-100	4.9	44
22	Integrated supercritical fluid extraction and subcritical water hydrolysis for the recovery of bioactive compounds from pressed palm fiber. <i>Journal of Supercritical Fluids</i> , <b>2014</b> , 93, 42-48	4.2	55
21	Hydrolysis of sugarcane bagasse in subcritical water. <i>Journal of Supercritical Fluids</i> , <b>2014</b> , 86, 15-22	4.2	46
20	Obtaining sugars from coconut husk, defatted grape seed, and pressed palm fiber by hydrolysis with subcritical water. <i>Journal of Supercritical Fluids</i> , <b>2014</b> , 89, 89-98	4.2	63
19	Anaerobic Digestion and Biogas Production: Combine Effluent Treatment with Energy Generation in UASB Reactor as Biorefinery Annex. <i>International Journal of Chemical Engineering</i> , <b>2014</b> , 2014, 1-8	2.2	11
18	Obtaining Oligo- and Monosaccharides from Agroindustrial and Agricultural Residues Using Hydrothermal Treatments. <i>Food and Public Health</i> , <b>2014</b> , 4, 123-139	5.3	29

17	Advances in Biofuel Production <b>2013</b> , 11-58		9
16	Biorefinery study of availability of agriculture residues and wastes for integrated biorefineries in Brazil. <i>Resources, Conservation and Recycling</i> , <b>2013</b> , 77, 78-88	11.9	99
15	CHAPTER 1:Uses and Applications of Extracts from Natural Sources. <i>RSC Green Chemistry</i> , <b>2013</b> , 1-57	0.9	15
14	Anaerobic Digestion: Pretreatments of Substrates <b>2012</b> , 1-25		3
13	Biohydrogen production and bioprocess enhancement: a review. <i>Critical Reviews in Biotechnology</i> , <b>2011</b> , 31, 250-63	9.4	47
12	Mesophilic anaerobic digestion of sewage sludge to obtain class B biosolids: Microbiological methods development. <i>Biomass and Bioenergy</i> , <b>2010</b> , 34, 1805-1812	5.3	41
11	Influence of total solid and inoculum contents on performance of anaerobic reactors treating food waste. <i>Bioresource Technology</i> , <b>2008</b> , 99, 6994-7002	11	189
10	Thermophilic anaerobic digestion of source-sorted organic fraction of municipal solid waste. <i>Bioresource Technology</i> , <b>2008</b> , 99, 6763-70	11	91
9	Anaerobic digestion of municipal solid wastes: dry thermophilic performance. <i>Bioresource Technology</i> , <b>2008</b> , 99, 8180-4	11	66
8	Dry-thermophilic anaerobic digestion of organic fraction of the municipal solid waste: focusing on the inoculum sources. <i>Bioresource Technology</i> , <b>2007</b> , 98, 3195-203	11	132
7	Composting potential of different inoculum sources in the modified SEBAC system treatment of municipal solid wastes. <i>Bioresource Technology</i> , <b>2007</b> , 98, 3354-66	11	28
6	Sustainable valorization of apple waste in a biorefinery: a bibliometric analysis. <i>Biofuels, Bioproducts and Biorefining</i> ,	5.3	0
5	Dry Anaerobic Digestion of Food Industry by-Products and Bioenergy Recovery: A Perspective to Promote the Circular Economy Transition. <i>Waste and Biomass Valorization</i> ,1	3.2	2
4	MacaBañ world scenario: a bibliometric analysis. <i>Biomass Conversion and Biorefinery</i> ,1	2.3	7
3	Integration of Subcritical Water and Enzymatic Hydrolysis to Obtain Fermentable Sugars and Second-Generation Ethanol from Sugarcane Straw. <i>Bioenergy Research</i> ,1	3.1	3
2	Process intensification for the recovery of methane-rich biogas from dry anaerobic digestion of aB seeds. <i>Biomass Conversion and Biorefinery</i> ,1	2.3	6
1	A bibliometric analysis on potential uses of brewer's spent grains in a biorefinery for the circular economy transition of the beer industry. <i>Biofuels, Bioproducts and Biorefining</i> ,	5.3	9