

# Tassia L Junqueira

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

2,115  
citations

279487

23  
h-index

264894

42  
g-index

47  
all docs

47  
docs citations

47  
times ranked

2252  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated versus stand-alone second generation ethanol production from sugarcane bagasse and trash. <i>Bioresource Technology</i> , 2012, 103, 152-161.	4.8	294
2	Anaerobic digestion of vinasse from sugarcane biorefineries in Brazil from energy, environmental, and economic perspectives: Profit or expense?. <i>Applied Energy</i> , 2014, 113, 825-835.	5.1	238
3	Biorefineries for the production of first and second generation ethanol and electricity from sugarcane. <i>Applied Energy</i> , 2013, 109, 72-78.	5.1	144
4	Environmental and economic assessment of sugarcane first generation biorefineries in Brazil. <i>Clean Technologies and Environmental Policy</i> , 2012, 14, 399-410.	2.1	136
5	Techno-economic and environmental assessment of renewable jet fuel production in integrated Brazilian sugarcane biorefineries. <i>Applied Energy</i> , 2018, 209, 290-305.	5.1	120
6	Techno-economic analysis and climate change impacts of sugarcane biorefineries considering different time horizons. <i>Biotechnology for Biofuels</i> , 2017, 10, 50.	6.2	113
7	Butanol production in a first-generation Brazilian sugarcane biorefinery: Technical aspects and economics of greenfield projects. <i>Bioresource Technology</i> , 2013, 135, 316-323.	4.8	111
8	Improving second generation ethanol production through optimization of first generation production process from sugarcane. <i>Energy</i> , 2012, 43, 246-252.	4.5	87
9	Cogeneration in integrated first and second generation ethanol from sugarcane. <i>Chemical Engineering Research and Design</i> , 2013, 91, 1411-1417.	2.7	81
10	Utilization of pentoses from sugarcane biomass: Techno-economics of biogas vs. butanol production. <i>Bioresource Technology</i> , 2013, 142, 390-399.	4.8	81
11	Evaluation of process configurations for second generation integrated with first generation bioethanol production from sugarcane. <i>Fuel Processing Technology</i> , 2013, 109, 84-89.	3.7	76
12	Process development and techno-economic analysis of bio-based succinic acid derived from pentoses integrated to a sugarcane biorefinery. <i>Biofuels, Bioproducts and Biorefining</i> , 2017, 11, 1051-1064.	1.9	57
13	Economic analysis of polyhydroxybutyrate production by <i>Cupriavidus necator</i> using different routes for product recovery. <i>Biochemical Engineering Journal</i> , 2019, 146, 97-104.	1.8	53
14	Techno-economic assessment of bioenergy and biofuel production in integrated sugarcane biorefinery: Identification of technological bottlenecks and economic feasibility of dilute acid pretreatment. <i>Energy</i> , 2020, 199, 117422.	4.5	41
15	Butanol production in a sugarcane biorefinery using ethanol as feedstock. Part I: Integration to a first generation sugarcane distillery. <i>Chemical Engineering Research and Design</i> , 2014, 92, 1441-1451.	2.7	38
16	The Virtual Sugarcane Biorefinery – A Simulation Tool to Support Public Policies Formulation in Bioenergy. <i>Industrial Biotechnology</i> , 2016, 12, 62-67.	0.5	38
17	Electricity Production from Sugarcane Straw Recovered Through Bale System: Assessment of Retrofit Projects. <i>Bioenergy Research</i> , 2019, 12, 865-877.	2.2	38
18	Process simulation of renewable electricity from sugarcane straw: Techno-economic assessment of retrofit scenarios in Brazil. <i>Journal of Cleaner Production</i> , 2020, 254, 120081.	4.6	38

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19	Integrated furfural and first generation bioethanol production: process simulation and techno-economic analysis. <i>Brazilian Journal of Chemical Engineering</i> , 2017, 34, 623-634.	0.7	36
20	Sugarcane ethanol and beef cattle integration in Brazil. <i>Biomass and Bioenergy</i> , 2019, 120, 448-457.	2.9	34
21	Improving bioethanol production – Comparison between extractive and low temperature fermentation. <i>Applied Energy</i> , 2012, 98, 548-555.	5.1	30
22	Butanol production in a sugarcane biorefinery using ethanol as feedstock. Part II: Integration to a second generation sugarcane distillery. <i>Chemical Engineering Research and Design</i> , 2014, 92, 1452-1462.	2.7	29
23	Technoeconomic and life-cycle analysis of single-step catalytic conversion of wet ethanol into fungible fuel blendstocks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12576-12583.	3.3	27
24	Environmental impacts of technology learning curve for cellulosic ethanol in Brazil. <i>Industrial Crops and Products</i> , 2017, 106, 31-39.	2.5	22
25	Anhydrous bioethanol production using bioglycerol – simulation of extractive distillation processes. <i>Computer Aided Chemical Engineering</i> , 2009, , 519-524.	0.3	16
26	Comparative material balances and preliminary technical analysis of the pilot scale sugarcane bagasse alkaline pretreatment to 2G ethanol production. <i>Industrial Crops and Products</i> , 2018, 120, 187-197.	2.5	16
27	Long-Term Prospects for the Environmental Profile of Advanced Sugar Cane Ethanol. <i>Environmental Science &amp; Technology</i> , 2014, 48, 12394-12402.	4.6	14
28	Alkaline sulfite pretreatment for integrated first and second generation ethanol production: A techno-economic assessment of sugarcane hybrids. <i>Biomass and Bioenergy</i> , 2018, 119, 314-321.	2.9	13
29	Use of the VSB to Assess Biorefinery Strategies. <i>Green Energy and Technology</i> , 2016, , 189-256.	0.4	12
30	Simulation of the Azeotropic Distillation for Anhydrous Bioethanol Production: Study on the Formation of a Second Liquid Phase. <i>Computer Aided Chemical Engineering</i> , 2009, , 1143-1148.	0.3	11
31	Unraveling the potential of sugarcane electricity for climate change mitigation in Brazil. <i>Resources, Conservation and Recycling</i> , 2021, 175, 105878.	5.3	11
32	Economic and environmental assessment of integrated 1st and 2nd generation sugarcane bioethanol production evaluating different 2nd generation process alternatives. <i>Computer Aided Chemical Engineering</i> , 2012, 30, 177-181.	0.3	10
33	Sustainability analysis of bioethanol production in Mexico by a retrofitted sugarcane industry based on the Brazilian expertise. <i>Energy</i> , 2021, 232, 121056.	4.5	10
34	Simulation and optimization of the continuous vacuum extractive fermentation for bioethanol production and evaluation of the influence on distillation process. <i>Computer Aided Chemical Engineering</i> , 2009, 26, 827-832.	0.3	7
35	Opportunities and challenges for bioenergy-livestock integrated systems in Brazil. <i>Industrial Crops and Products</i> , 2021, 173, 114091.	2.5	6
36	Techno-economic and environmental assessment of bioenergy and livestock integrated systems in Brazil. <i>Sustainable Production and Consumption</i> , 2022, 32, 580-592.	5.7	6

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37	Use of VSB to Plan Research Programs and Public Policies. Green Energy and Technology, 2016, , 257-282.	0.4	4
38	Evaluation of Barros and Wolf Efficiency Correlations for Conventional and Extractive Distillation Columns in Bioethanol Production Process. Separation Science and Technology, 2012, 47, 1031-1037.	1.3	3
39	Techno-Economic Analysis of Second-Generation Ethanol in Brazil: Competitive, Complementary Aspects with First-Generation Ethanol. , 2014, , 1-29.		3
40	Simulation of Distillation Process in the Bioethanol Production Using Nonequilibrium Stage Model. Computer Aided Chemical Engineering, 2009, 27, 735-740.	0.3	2
41	Optimization of Bioethanol Distillation Process – Evaluation of Different Configurations of the Fermentation Process. Computer Aided Chemical Engineering, 2009, 27, 1893-1898.	0.3	2
42	Biorefinery Alternatives. Green Energy and Technology, 2016, , 53-132.	0.4	2
43	Evaluation of different cogeneration systems in first and second generation ethanol production from sugarcane. Computer Aided Chemical Engineering, 2012, , 172-176.	0.3	1