Renata Bura

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10444092/publications.pdf

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41 papers	2,136 citations	331670 21 h-index	289244 40 g-index
41 all docs	41 docs citations	41 times ranked	2294 citing authors

#	Article	IF	Citations
1	Effect of hemicellulose and lignin removal on enzymatic hydrolysis of steam pretreated corn stover. Bioresource Technology, 2007, 98, 2503-2510.	9.6	474
2	Weak Lignin-Binding Enzymes: A Novel Approach to Improve Activity of Cellulases for Hydrolysis of Lignocellulosics. Applied Biochemistry and Biotechnology, 2005, 121, 0163-0170.	2.9	222
3	Evaluation of novel fungal cellulase preparations for ability to hydrolyze softwood substrates â€“ evidence for the role of accessory enzymes. Enzyme and Microbial Technology, 2005, 37, 175-184.	3.2	184
4	Influence of xylan on the enzymatic hydrolysis of steamâ€pretreated corn stover and hybrid poplar. Biotechnology Progress, 2009, 25, 315-322.	2.6	153
5	Acid-catalyzed steam pretreatment of lodgepole pine and subsequent enzymatic hydrolysis and fermentation to ethanol. Biotechnology and Bioengineering, 2007, 98, 737-746.	3.3	146
6	SO₂-Catalyzed Steam Explosion of Corn Fiber for Ethanol Production. Applied Biochemistry and Biotechnology, 2002, 98-100, 59-72.	2.9	84
7	The effect of biomass moisture content on bioethanol yields from steam pretreated switchgrass and sugarcane bagasse. Bioresource Technology, 2011, 102, 2651-2658.	9.6	73
8	Evaluation of Cellulase Preparations for Hydrolysis of Hardwood Substrates. Applied Biochemistry and Biotechnology, 2006, 130, 528-545.	2.9	62
9	A rapid microassay to evaluate enzymatic hydrolysis of lignocellulosic substrates. Biotechnology and Bioengineering, 2006, 93, 880-886.	3.3	62
10	Converting lignocellulosic solid waste into ethanol for the State of Washington: An investigation of treatment technologies and environmental impacts. Bioresource Technology, 2012, 104, 400-409.	9.6	61
11	Hydrocarbon bio-jet fuel from bioconversion of poplar biomass: techno-economic assessment. Biotechnology for Biofuels, 2016, 9, 141.	6.2	54
12	Hydrocarbon bio-jet fuel from bioconversion of poplar biomass: life cycle assessment. Biotechnology for Biofuels, 2016, 9, 170.	6.2	52
13	Optimization of SO₂-Catalyzed Steam Pretreatment of Corn Fiber for Ethanol Production. Applied Biochemistry and Biotechnology, 2003, 106, 319-336.	2.9	49
14	Fermentation of lignocellulosic sugars to acetic acid by Moorella thermoacetica. Journal of Industrial Microbiology and Biotechnology, 2016, 43, 807-816.	3.0	49
15	Enzymatic Hydrolysis of Steam-Exploded and Ethanol Organosolvâ€Pretreated Douglas-Firby Novel and Commercial Fungal Cellulases. Applied Biochemistry and Biotechnology, 2005, 121, 0219-0230.	2.9	47
16	Production routes to bio-acetic acid: life cycle assessment. Biotechnology for Biofuels, 2020, 13, 154.	6.2	31
17	Novel endophytic yeast Rhodotorula mucilaginosa strain PTD3 I: production of xylitol and ethanol. Journal of Industrial Microbiology and Biotechnology, 2012, 39, 1003-1011.	3.0	29
18	Can we use short rotation coppice poplar for sugar based biorefinery feedstock? Bioconversion of 2-year-old poplar grown as short rotation coppice. Biotechnology for Biofuels, 2017, 10, 144.	6.2	29

#	Article	IF	Citations
19	Real-time understanding of lignocellulosic bioethanol fermentation by Raman spectroscopy. Biotechnology for Biofuels, 2013, 6, 28.	6.2	27
20	Synergistic effects of mixing hybrid poplar and wheat straw biomass for bioconversion processes. Biotechnology for Biofuels, 2015, 8, 226.	6.2	24
21	Ethanologens vs. acetogens: Environmental impacts of two ethanol fermentation pathways. Biomass and Bioenergy, 2015, 83, 23-31.	5.7	22
22	Integration of wastewater treatment into process design of lignocellulosic biorefineries for improved economic viability. Biotechnology for Biofuels, 2020, 13, 24.	6.2	22
23	Techno-Economic Analysis of Producing Glacial Acetic Acid from Poplar Biomass via Bioconversion. Molecules, 2020, 25, 4328.	3.8	20
24	Post-treatment mechanical refining as a method to improve overall sugar recovery of steam pretreated hybrid poplar. Bioresource Technology, 2016, 207, 157-165.	9.6	18
25	Novel ethanol production using biomass preprocessing to increase ethanol yield and reduce overall costs. Biotechnology for Biofuels, 2021, 14, 9.	6.2	18
26	Removal of non-structural components from poplar whole-tree chips to enhance hydrolysis and fermentation performance. Biotechnology for Biofuels, 2018, 11, 222.	6.2	16
27	Novel endophytic yeast Rhodotorula mucilaginosa strain PTD3 II: production of xylitol and ethanol in the presence of inhibitors. Journal of Industrial Microbiology and Biotechnology, 2012, 39, 1453-1463.	3.0	15
28	Fast Pyrolysis of Short Rotation Coppice Poplar: An Investigation in Thermochemical Conversion of a Realistic Feedstock for the Biorefinery. ACS Sustainable Chemistry and Engineering, 2017, 5, 6746-6755.	6.7	15
29	Enhanced Xylitol and Ethanol Yields by Fermentation Inhibitors in Steam-Pretreated Lignocellulosic Biomass. Industrial Biotechnology, 2016, 12, 187-194.	0.8	11
30	Assessment of Arundo donax (giant reed) as feedstock for conversion to ethanol. Tappi Journal, 2012, 11, 59-66.	0.5	11
31	Lignocellulosic nanomaterials production from wheat straw via peracetic acid pretreatment and their application in plastic composites. Carbohydrate Polymers, 2022, 295, 119857.	10.2	10
32	Use of Raman spectroscopy for continuous monitoring and control of lignocellulosic biorefinery processes. Pure and Applied Chemistry, 2014, 86, 867-879.	1.9	9
33	Bridging the gap between feedstock growers and users: the study of a coppice poplar-based biorefinery. Biotechnology for Biofuels, 2018, 11, 77.	6.2	9
34	Blending short rotation coppice poplar with wheat straw as a biorefinery feedstock in the State of Washington. Industrial Crops and Products, 2019, 132, 407-412.	5.2	8
35	Kinetic modeling of Moorella thermoacetica growth on single and dual-substrate systems. Bioprocess and Biosystems Engineering, 2016, 39, 1567-1575.	3.4	5
36	The sulfite mill as a sugar-flexible future biorefinery. Tappi Journal, 2012, 11, 27-35.	0.5	4

#	Article	IF	Citations
37	Handling heterogeneous hybrid poplar particle sizes for sugar production. Biomass and Bioenergy, 2016, 91, 126-133.	5.7	3
38	SO2-catalyzed steam explosion of corn fiber for ethanol production. Applied Biochemistry and Biotechnology, 2002, 98-100, 59-72.	2.9	3
39	A New Approach to Using Dried Hybrid Poplar as a Potential Commodity Feedstock for Sugar Production. ACS Sustainable Chemistry and Engineering, 2016, 4, 4378-4384.	6.7	2
40	Evaluation of Cellulase Preparations for Hydrolysis of Hardwood Substrates. , 2006, , 528-545.		2
41	Hydrocarbon Bio-Jet Fuel from Bioconversion of Poplar Biomass: Life Cycle Assessment of Site-Specific Impacts. Forests, 2022, 13, 549.	2.1	1