

Shiyuan Yu

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.

27
papers

626
citations

13
h-index

25
g-index

27
ext. papers

787
ext. citations

5.4
avg. IF

4.19
L-index

#	Paper	IF	Citations
27	An integrated process to produce prebiotic xylooligosaccharides by autohydrolysis, nanofiltration and endo-xylanase from alkali-extracted xylan. <i>Bioresource Technology</i> , 2020 , 314, 123685	11	21
26	Continuous Bioconversion of Oleuropein from Olive Leaf Extract to Produce the Bioactive Product Hydroxytyrosol Using Carrier-Immobilized Enzyme. <i>Applied Biochemistry and Biotechnology</i> , 2020 , 190, 148-165	3.2	9
25	The Prolyl Isomerase Pin1 Controls Lipopolysaccharide-Induced Priming of NADPH Oxidase in Human Neutrophils. <i>Frontiers in Immunology</i> , 2019 , 10, 2567	8.4	5
24	Transcriptome and metabolome analysis of <i>Pichia stipitis</i> to three representative lignocellulosic inhibitors. <i>Archives of Microbiology</i> , 2019 , 201, 581-589	3	9
23	Quantitative lipidomic insights in the inhibitory response of <i>Pichia stipitis</i> to vanillin, 5-hydroxymethylfurfural, and acetic acid. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 497, 7-12	3.4	3
22	Efficient bioconversion of oleuropein from olive leaf extract to antioxidant hydroxytyrosol by enzymatic hydrolysis and high-temperature degradation. <i>Biotechnology and Applied Biochemistry</i> , 2018 , 65, 680-689	2.8	11
21	Quantitative proteomic analysis of xylose fermentation strain <i>Pichia stipitis</i> CBS 5776 to lignocellulosic inhibitors acetic acid, vanillin and 5-hydroxymethylfurfural. <i>FEMS Microbiology Letters</i> , 2018 , 365,	2.9	1
20	Co-production of functional xylooligosaccharides and fermentable sugars from corncob with effective acetic acid prehydrolysis. <i>Bioresource Technology</i> , 2017 , 234, 343-349	11	84
19	Regular enzyme recovery enhances cellulase production by <i>Trichoderma reesei</i> in fed-batch culture. <i>Biotechnology Letters</i> , 2017 , 39, 1493-1498	3	2
18	A Precise Method for Processing Data to Determine the Dissociation Constants of Polyhydroxy Carboxylic Acids via Potentiometric Titration. <i>Applied Biochemistry and Biotechnology</i> , 2017 , 183, 1426-1438	3.3	2
17	Lignin Alkylation Enhances Enzymatic Hydrolysis of Lignocellulosic Biomass. <i>Energy & Fuels</i> , 2017 , 31, 12317-12326	4.1	42
16	A two-step bioprocessing strategy in pentonic acids production from lignocellulosic pre-hydrolysate. <i>Bioprocess and Biosystems Engineering</i> , 2017 , 40, 1581-1587	3.7	4
15	Production of Xylooligosaccharides from Waste Xylan, Obtained from Viscose Fiber Processing, by Selective Hydrolysis Using Concentrated Acetic Acid. <i>Journal of Wood Chemistry and Technology</i> , 2017 , 37, 1-9	2	37
14	Difference analysis of the enzymatic hydrolysis performance of acid-catalyzed steam-exploded corn stover before and after washing with water. <i>Bioprocess and Biosystems Engineering</i> , 2016 , 39, 1619-26	3.7	10
13	Simultaneous Bioconversion of Xylose and Glycerol to Xylonic Acid and 1,3-Dihydroxyacetone from the Mixture of Pre-Hydrolysates and Ethanol-Fermented Waste Liquid by <i>Gluconobacter oxydans</i> . <i>Applied Biochemistry and Biotechnology</i> , 2016 , 178, 1-8	3.2	14
12	Degradation Profiles of Non-lignin Constituents of Corn Stover from Dilute Sulfuric Acid Pretreatment. <i>Journal of Wood Chemistry and Technology</i> , 2016 , 36, 192-204	2	14
11	Impacts of lignocellulose-derived inhibitors on L-lactic acid fermentation by <i>Rhizopus oryzae</i> . <i>Bioresource Technology</i> , 2016 , 203, 173-80	11	53

10	Improving the production yield and productivity of 1,3-dihydroxyacetone from glycerol fermentation using <i>Gluconobacter oxydans</i> NL71 in a compressed oxygen supply-sealed and stirred tank reactor (COS-SSTR). <i>Bioprocess and Biosystems Engineering</i> , 2016 , 39, 1315-8	3.7	12
9	Preparation, assessment, and comparison of Chitin nano-fiber films with different surface charges. <i>Nanoscale Research Letters</i> , 2015 , 10, 226	5	23
8	Disparate roles of solvent extractable lignin and residual bulk lignin in enzymatic hydrolysis of pretreated sweetgum. <i>RSC Advances</i> , 2015 , 5, 97966-97974	3.7	33
7	Contrasting effects of hardwood and softwood organosolv lignins on enzymatic hydrolysis of lignocellulose. <i>Bioresource Technology</i> , 2014 , 163, 320-7	11	62
6	A One-Step Method for the Simultaneous Determination of Five Wood Monosaccharides and the Corresponding Aldonic Acids in Fermentation Broth Using High-Performance Anion-Exchange Chromatography Coupled with a Pulsed Amperometric Detector. <i>Journal of Wood Chemistry and Technology</i> , 2014 , 34, 67-76	2	13
5	Remarkable solvent and extractable lignin effects on enzymatic digestibility of organosolv pretreated hardwood. <i>Bioresource Technology</i> , 2014 , 156, 92-9	11	53
4	Production of a <i>Trichoderma reesei</i> QM9414 xylanase in <i>Pichia pastoris</i> and its application in biobleaching of wheat straw pulp. <i>World Journal of Microbiology and Biotechnology</i> , 2011 , 27, 751-758	4.4	3
3	Extractive bioconversion of xylan for production of xylobiose and xylotriose using a PEG6000/sodium citrate aqueous two-phase system. <i>Korean Journal of Chemical Engineering</i> , 2011 , 28, 1897-1901	2.8	5
2	Detoxification of corn stover prehydrolyzate by trialkylamine extraction to improve the ethanol production with <i>Pichia stipitis</i> CBS 5776. <i>Bioresource Technology</i> , 2011 , 102, 1663-8	11	52
1	Three-stage enzymatic hydrolysis of steam-exploded corn stover at high substrate concentration. <i>Bioresource Technology</i> , 2011 , 102, 4905-8	11	49