

Fubao Sun

List of Publications by Year in descending order

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36
papers

1,420
citations

304743

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361022

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docs citations

37
times ranked

1348
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of biodiesel production using a novel porous Zn/Al/Co complex oxide prepared from different methods: Physicochemical properties, reaction kinetic and thermodynamic studies. <i>Renewable Energy</i> , 2022, 181, 1419-1430.	8.9	31
2	Glycerol organosolv pretreatment can unlock lignocellulosic biomass for production of fermentable sugars: Present situation and challenges. <i>Bioresource Technology</i> , 2022, 344, 126264.	9.6	44
3	Mild fractionation of poplar into reactive lignin via lignin-first strategy and its enhancement on cellulose saccharification. <i>Bioresource Technology</i> , 2022, 343, 126122.	9.6	25
4	Alleviating lignin repolymerization by carbocation scavenger for effective production of fermentable sugars from combined liquid hot water and green-liquor pretreated softwood biomass. <i>Energy Conversion and Management</i> , 2022, 251, 114956.	9.2	29
5	Co-production of levulinic acid and lignin adsorbent from aspen wood with combination of liquid hot water and green-liquor pretreatments. <i>Journal of Cleaner Production</i> , 2022, 366, 132817.	9.3	13
6	One-step lignocellulose fractionation using acid/pentanol pretreatment for enhanced fermentable sugar and reactive lignin production with efficient pentanol retrievability. <i>Bioresource Technology</i> , 2022, 359, 127503.	9.6	42
7	Trends and hassles in the microbial production of lactic acid from lignocellulosic biomass. <i>Environmental Technology and Innovation</i> , 2021, 21, 101337.	6.1	45
8	Efficiency enhancement of a new cellulase cocktail at low enzyme loading for high solid digestion of alkali catalyzed atmospheric glycerol organosolvent pre-treated sugarcane bagasse. <i>Bioresource Technology</i> , 2021, 338, 125505.	9.6	17
9	Highly efficient microbial lipid synthesis from co-fermentation of enzymatic hydrolysate of sugarcane bagasse by a <i>Trichosporon dermatis</i> mutant. <i>Industrial Crops and Products</i> , 2021, 171, 113975.	5.2	11
10	Constructing a bacterial cellulose-based bacterial sensor platform by enhancing cell affinity via a surface-exposed carbohydrate binding module. <i>Green Chemistry</i> , 2021, 23, 9600-9609.	9.0	4
11	Thermostable Cellulases / Xylanases From Thermophilic and Hyperthermophilic Microorganisms: Current Perspective. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 794304.	4.1	28
12	Recombinant expression of <i>Aspergillus niger</i> GH10 endo-xylanase in <i>Pichia pastoris</i> by constructing a double-plasmid co-expression system. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 535-543.	3.2	6
13	Mild fractionation of sugarcane bagasse into fermentable sugars and β -O-4 linkage-rich lignin based on acid-catalysed crude glycerol pretreatment. <i>Bioresource Technology</i> , 2020, 318, 124059.	9.6	35
14	Synergism of Recombinant <i>Podospora anserina</i> PaAA9B with Cellulases Containing AA9s Can Boost the Enzymatic Hydrolysis of Cellulosic Substrates. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11986-11993.	6.7	19
15	Factors affecting the hydrolytic action of xylanase during pennisetum saccharification: role of lignin. <i>Cellulose</i> , 2020, 27, 3143-3152.	4.9	4
16	Fed-batch high-solids enzymatic saccharification of lignocellulosic substrates with a combination of additives and accessory enzymes. <i>Industrial Crops and Products</i> , 2020, 146, 112156.	5.2	41
17	Evaluation of the mild Mg(OH) ₂ -AQ aided alkaline oxidation degumming process of ramie fiber at an industrial scale. <i>Industrial Crops and Products</i> , 2019, 137, 694-701.	5.2	17
18	Mild Acid-Catalyzed Atmospheric Glycerol Organosolv Pretreatment Effectively Improves Enzymatic Hydrolyzability of Lignocellulosic Biomass. <i>ACS Omega</i> , 2019, 4, 20015-20023.	3.5	28

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19	Optimization of on-site cellulase preparation for efficient hydrolysis of atmospheric glycerol organosolv pretreated wheat straw. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2083-2092.	3.2	23
20	Enhanced heterologous expression of <i>Trichoderma reesei</i> Cel5A/Cel6A in <i>Pichia pastoris</i> with extracellular co-expression of <i>Vitreoscilla</i> hemoglobin. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 35-42.	3.2	9
21	Enhanced High-Solids Fed-Batch Enzymatic Hydrolysis of Sugar Cane Bagasse with Accessory Enzymes and Additives at Low Cellulase Loading. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12787-12796.	6.7	86
22	Bioprocessing of tea oil fruit hull with acetic acid organosolv pretreatment in combination with alkaline H ₂ O ₂ . <i>Biotechnology for Biofuels</i> , 2017, 10, 86.	6.2	34
23	Characterization of the complex involved in regulating V-ATPase activity of the vacuolar and endosomal membrane. <i>Journal of Bioenergetics and Biomembranes</i> , 2017, 49, 347-355.	2.3	3
24	Construction and optimization of <i>trans</i> -4-hydroxy-L-proline production recombinant <i>E. coli</i> strain taking the glycerol as carbon source. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 2389-2398.	3.2	12
25	Biorefining fractionation of the <i>Camellia oleifera</i> Abel. hull into diverse bioproducts with a two-stage organosolv extraction. <i>Industrial Crops and Products</i> , 2016, 94, 790-799.	5.2	28
26	Heterologous expression of codon optimized <i>Trichoderma reesei</i> Cel6A in <i>Pichia pastoris</i> . <i>Enzyme and Microbial Technology</i> , 2016, 92, 107-116.	3.2	15
27	Industrially relevant hydrolyzability and fermentability of sugarcane bagasse improved effectively by glycerol organosolv pretreatment. <i>Biotechnology for Biofuels</i> , 2016, 9, 59.	6.2	66
28	Accessory enzymes influence cellulase hydrolysis of the model substrate and the realistic lignocellulosic biomass. <i>Enzyme and Microbial Technology</i> , 2015, 79-80, 42-48.	3.2	118
29	The impact of glycerol organosolv pretreatment on the chemistry and enzymatic hydrolyzability of wheat straw. <i>Bioresource Technology</i> , 2015, 187, 354-361.	9.6	107
30	Pretreating lignocellulosic biomass by the concentrated phosphoric acid plus hydrogen peroxide (PHP) for enzymatic hydrolysis: Evaluating the pretreatment flexibility on feedstocks and particle sizes. <i>Bioresource Technology</i> , 2014, 166, 420-428.	9.6	56
31	Comparison of atmospheric aqueous glycerol and steam explosion pretreatments of wheat straw for enhanced enzymatic hydrolysis. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 707-714.	3.2	48
32	Ceramic membrane pretreatment of monosodium glutamate isoelectric supernatant to facilitate (NH ₄) ₂ SO ₄ recovery by electrodialysis. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 1027-1033.	3.2	6
33	Organosolv pretreatment by crude glycerol from oleochemicals industry for enzymatic hydrolysis of wheat straw. <i>Bioresource Technology</i> , 2008, 99, 5474-5479.	9.6	155
34	Enhanced enzymatic hydrolysis of wheat straw by aqueous glycerol pretreatment. <i>Bioresource Technology</i> , 2008, 99, 6156-6161.	9.6	127
35	Evaluation of enzymatic hydrolysis of wheat straw pretreated by atmospheric glycerol autocatalysis. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 1039-1044.	3.2	87
36	Constitutive expression of codon optimized <i>Trichoderma reesei</i> TrCel5A in <i>Pichia pastoris</i> using GAP promoter. <i>Systems Microbiology and Biomanufacturing</i> , 0, , .	2.9	1