

Xiao Sun

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

661
citations

687363

13
h-index

839539

18
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19
all docs

19
docs citations

19
times ranked

681
citing authors

#	ARTICLE	IF	CITATIONS
1	Syngas fermentation process development for production of biofuels and chemicals: A review. <i>Bioresource Technology Reports</i> , 2019, 7, 100279.	2.7	109
2	Biochar facilitated bioprocessing and biorefinery for productions of biofuel and chemicals: A review. <i>Bioresource Technology</i> , 2020, 295, 122252.	9.6	97
3	The roles of co-composted biochar (COMBI) in improving soil quality, crop productivity, and toxic metal amelioration. <i>Journal of Environmental Management</i> , 2021, 277, 111443.	7.8	89
4	Enhanced ethanol production by <i>Clostridium ragsdalei</i> from syngas by incorporating biochar in the fermentation medium. <i>Bioresource Technology</i> , 2018, 247, 291-301.	9.6	61
5	Biochar enhanced ethanol and butanol production by <i>Clostridium carboxidivorans</i> from syngas. <i>Bioresource Technology</i> , 2018, 265, 128-138.	9.6	53
6	Feasibility of using biochar as buffer and mineral nutrients replacement for acetone-butanol-ethanol production from non-detoxified switchgrass hydrolysate. <i>Bioresource Technology</i> , 2020, 298, 122569.	9.6	41
7	Physicochemical properties and morphology of biochars as affected by feedstock sources and pyrolysis temperatures. <i>Biochar</i> , 2019, 1, 325-336.	12.6	38
8	Enhanced ethanol production from syngas by <i>Clostridium ragsdalei</i> in continuous stirred tank reactor using medium with poultry litter biochar. <i>Applied Energy</i> , 2019, 236, 1269-1279.	10.1	37
9	Investigation and Modeling of Gas-Liquid Mass Transfer in a Sparged and Non-Sparged Continuous Stirred Tank Reactor with Potential Application in Syngas Fermentation. <i>Fermentation</i> , 2019, 5, 75.	3.0	19
10	Feeding value improvement of corn-ethanol co-product and soybean hull by fungal fermentation: Fiber degradation and digestibility improvement. <i>Food and Bioproducts Processing</i> , 2021, 130, 143-153.	3.6	18
11	Measurement and prediction of mass transfer coefficients for syngas constituents in a hollow fiber reactor. <i>Bioresource Technology</i> , 2019, 276, 1-7.	9.6	17
12	Enhanced protein and amino acids of corn-ethanol co-product by <i>Mucor indicus</i> and <i>Rhizopus oryzae</i> . <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 1989-2000.	3.4	16
13	Nutrition upgrading of corn-ethanol co-product by fungal fermentation: Amino acids enrichment and anti-nutritional factors degradation. <i>Food and Bioproducts Processing</i> , 2021, 130, 1-13.	3.6	16
14	Mixotrophic growth regime of novel strain <i>Scenedesmus</i> sp. DDVG I in municipal wastewater for concomitant bioremediation and valorization of biomass. <i>Journal of Cleaner Production</i> , 2022, 365, 132834.	9.3	14
15	Feeding value improvement by co-fermentation of corn-ethanol co-product and agro-industrial residues with <i>Rhizopus oryzae</i> . <i>Process Biochemistry</i> , 2021, 111, 144-153.	3.7	13
16	Biochar amended microbial conversion of C1 gases to ethanol and butanol: Effects of biochar feedstock type and processing temperature. <i>Bioresource Technology</i> , 2022, 360, 127573.	9.6	9
17	Review of the effect of polyamines in microalgae when ingested by shellfish. <i>Algal Research</i> , 2021, 58, 102409.	4.6	8
18	A strategy of co-fermentation of distillers dried grains with solubles (DDGS) and lignocellulosic feedstocks as swine feed. <i>Critical Reviews in Biotechnology</i> , 2023, 43, 212-226.	9.0	5

#	ARTICLE	IF	CITATIONS
19	Enhanced Acetone-Butanol-Ethanol Production by <i>Clostridium beijerinckii</i> Using Biochar., 2019, , .		1