Xinni Xiong

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11253869/publications.pdf

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21	3,147	430874	713466
papers	citations	18 h-index	21 g-index

22	22	22	3263
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biochar and sustainable development goals. , 2022, , 15-22.		6
2	A review on the valorisation of food waste as a nutrient source and soil amendment. Environmental Pollution, 2021, 272, 115985.	7.5	76
3	Valorization of humins from food waste biorefinery for synthesis of biochar-supported Lewis acid catalysts. Science of the Total Environment, 2021, 775, 145851.	8.0	30
4	A critical review on performance indicators for evaluating soil biota and soil health of biochar-amended soils. Journal of Hazardous Materials, 2021, 414, 125378.	12.4	155
5	A cross-region analysis of commercial food waste recycling behaviour. Chemosphere, 2021, 274, 129750.	8.2	11
6	Sustainable management and recycling of food waste anaerobic digestate: A review. Bioresource Technology, 2021, 341, 125915.	9.6	150
7	Sustainable food waste management towards circular bioeconomy: Policy review, limitations and opportunities. Bioresource Technology, 2020, 297, 122497.	9.6	225
8	Ball milling as a mechanochemical technology for fabrication of novel biochar nanomaterials. Bioresource Technology, 2020, 312, 123613.	9.6	293
9	Study of glucose isomerisation to fructose over three heterogeneous carbon-based aluminium-impregnated catalysts. Journal of Cleaner Production, 2020, 268, 122378.	9.3	14
10	Recent advances in mechanochemical production of chemicals and carbon materials from sustainable biomass resources. Renewable and Sustainable Energy Reviews, 2020, 130, 109944.	16.4	128
11	Microplastics as pollutants in agricultural soils. Environmental Pollution, 2020, 265, 114980.	7.5	359
12	Critical Review on Biocharâ€Supported Catalysts for Pollutant Degradation and Sustainable Biorefinery. Advanced Sustainable Systems, 2020, 4, 1900149.	5.3	93
13	Biorenewable hydrogen production through biomass gasification: A review and future prospects. Environmental Research, 2020, 186, 109547.	7.5	280
14	Potentially toxic elements in solid waste streams: Fate and management approaches. Environmental Pollution, 2019, 253, 680-707.	7.5	79
15	Value-added chemicals from food supply chain wastes: State-of-the-art review and future prospects. Chemical Engineering Journal, 2019, 375, 121983.	12.7	218
16	Graphite oxide- and graphene oxide-supported catalysts for microwave-assisted glucose isomerisation in water. Green Chemistry, 2019, 21, 4341-4353.	9.0	80
17	Aluminium-biochar composites as sustainable heterogeneous catalysts for glucose isomerisation in a biorefinery. Green Chemistry, 2019, 21, 1267-1281.	9.0	157
18	Sulfonated biochar as acid catalyst for sugar hydrolysis and dehydration. Catalysis Today, 2018, 314, 52-61.	4.4	92

#	Article	IF	Citations
19	Plenty of room for carbon on the ground: Potential applications of biochar for stormwater treatment. Science of the Total Environment, 2018, 625, 1644-1658.	8.0	165
20	Production of 5-hydroxymethylfurfural from starch-rich food waste catalyzed by sulfonated biochar. Bioresource Technology, 2018, 252, 76-82.	9.6	132
21	A review of biochar-based catalysts for chemical synthesis, biofuel production, and pollution control. Bioresource Technology, 2017, 246, 254-270.	9.6	398