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	A review of biochar-based catalysts for chemical synthesis, biofuel production, and pollution control. Bioresource Technology, 2017, 246, 254-270.	9.6	398
2	Microplastics as pollutants in agricultural soils. Environmental Pollution, 2020, 265, 114980.	7.5	359
3	Ball milling as a mechanochemical technology for fabrication of novel biochar nanomaterials. Bioresource Technology, 2020, 312, 123613.	9.6	293
4	Biorenewable hydrogen production through biomass gasification: A review and future prospects. Environmental Research, 2020, 186, 109547.	7.5	280
5	Sustainable food waste management towards circular bioeconomy: Policy review, limitations and opportunities. Bioresource Technology, 2020, 297, 122497.	9.6	225
6	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
7	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
8	Aluminium-biochar composites as sustainable heterogeneous catalysts for glucose isomerisation in a biorefinery. Green Chemistry, 2019, 21, 1267-1281.	9.0	157
9	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
10	Sustainable management and recycling of food waste anaerobic digestate: A review. Bioresource Technology, 2021, 341, 125915.	9.6	150
11	Production of 5-hydroxymethylfurfural from starch-rich food waste catalyzed by sulfonated biochar. Bioresource Technology, 2018, 252, 76-82.	9.6	132
12	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
13	Critical Review on Biocharâ€Supported Catalysts for Pollutant Degradation and Sustainable Biorefinery. Advanced Sustainable Systems, 2020, 4, 1900149.	5.3	93
14	Sulfonated biochar as acid catalyst for sugar hydrolysis and dehydration. Catalysis Today, 2018, 314, 52-61.	4.4	92
15	Graphite oxide- and graphene oxide-supported catalysts for microwave-assisted glucose isomerisation in water. Green Chemistry, 2019, 21, 4341-4353.	9.0	80
16	Potentially toxic elements in solid waste streams: Fate and management approaches. Environmental Pollution, 2019, 253, 680-707.	7.5	79
17	A review on the valorisation of food waste as a nutrient source and soil amendment. Environmental Pollution, 2021, 272, 115985.	7.5	76
18	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

#	Article	IF	Citations
19	Study of glucose isomerisation to fructose over three heterogeneous carbon-based aluminium-impregnated catalysts. Journal of Cleaner Production, 2020, 268, 122378.	9.3	14
20	A cross-region analysis of commercial food waste recycling behaviour. Chemosphere, 2021, 274, 129750.	8.2	11
21	Biochar and sustainable development goals. , 2022, , 15-22.		6