

Dominik WÃ¼st

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

774
citations

566801

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21
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docs citations

21
times ranked

1076
citing authors

#	ARTICLE	IF	CITATIONS
1	Inherent organic compounds in biocharâ€“Their content, composition and potential toxic effects. <i>Journal of Environmental Management</i> , 2015, 156, 150-157.	3.8	129
2	Fate of Nitrogen during Hydrothermal Carbonization. <i>Energy & Fuels</i> , 2016, 30, 8037-8042.	2.5	101
3	One stage olive mill waste streams valorisation via hydrothermal carbonisation. <i>Waste Management</i> , 2018, 80, 224-234.	3.7	87
4	Hydrothermal carbonization coupled with anaerobic digestion for the valorization of the organic fraction of municipal solid waste. <i>Bioresource Technology</i> , 2020, 314, 123734.	4.8	65
5	Short-term response of soil microorganisms to biochar addition in a temperate agroecosystem under soil warming. <i>Agriculture, Ecosystems and Environment</i> , 2016, 233, 308-317.	2.5	60
6	Valorization of maize silage digestate from two-stage anaerobic digestion by hydrothermal carbonization. <i>Energy Conversion and Management</i> , 2020, 222, 113218.	4.4	39
7	Understanding the influence of biomass particle size and reaction medium on the formation pathways of hydrochar. <i>Biomass Conversion and Biorefinery</i> , 2020, 10, 1357-1380.	2.9	38
8	Hydrothermal Carbonization: 2. Kinetics of Draff Conversion. <i>Chemie-Ingenieur-Technik</i> , 2012, 84, 509-512.	0.4	34
9	Fate of Nitrogen, Phosphate, and Potassium during Hydrothermal Carbonization and the Potential for Nutrient Recovery. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15507-15516.	3.2	30
10	Effect of residence time during hydrothermal carbonization of biogas digestate on the combustion characteristics of hydrochar and the biogas production of process water. <i>Bioresource Technology</i> , 2021, 333, 125110.	4.8	30
11	Steam Explosion Conditions Highly Influence the Biogas Yield of Rice Straw. <i>Molecules</i> , 2019, 24, 3492.	1.7	28
12	Toward an Intensified Process of Biomass-Derived Monomers: The Influence of 5-(Hydroxymethyl)furfural Byproducts on the Gold-Catalyzed Synthesis of 2,5-Furandicarboxylic Acid. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11512-11521.	3.2	25
13	Hydrothermal carbonization of dry toilet residues as an added-value strategy â€“ Investigation of process parameters. <i>Journal of Environmental Management</i> , 2019, 234, 537-545.	3.8	23
14	Prediction of gaseous, liquid and solid mass yields from hydrothermal carbonization of biogas digestate by severity parameter. <i>Biomass Conversion and Biorefinery</i> , 2016, 6, 151-160.	2.9	20
15	Hydrothermal carbonization of wheat strawâ€“prediction of product mass yields and degree of carbonization by severity parameter. <i>Biomass Conversion and Biorefinery</i> , 2016, 6, 347-354.	2.9	18
16	Nitrogenâ€“Containing Hydrochar: The Influence of Nitrogenâ€“Containing Compounds on the Hydrochar Formation. <i>ChemistryOpen</i> , 2020, 9, 864-873.	0.9	15
17	An approach to unify the appraisal framework for biomass conversion systems. <i>Biomass and Bioenergy</i> , 2015, 83, 354-365.	2.9	14
18	Challenges of Green Production of 2,5â€“Furandicarboxylic Acid from Bioâ€“Derived 5â€“Hydroxymethylfurfural: Overcoming Deactivation by Concomitant Amino Acids. <i>ChemSusChem</i> , 2022, 15, .	3.6	8

#	ARTICLE	IF	CITATIONS
19	Process Water Recirculation During Hydrothermal Carbonization as a Promising Process Step Towards the Production of Nitrogen-Doped Carbonaceous Materials. Waste and Biomass Valorization, 2022, 13, 2349-2373.	1.8	6
20	Anaerobic Degradation of Individual Components from 5-Hydroxymethylfurfural Process-Wastewater in Continuously Operated Fixed Bed Reactors. Processes, 2021, 9, 677.	1.3	4