

Axel Funke

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

2,978
citations

16
h-index

30
g-index

30
ext. papers

3,412
ext. citations

5.7
avg. IF

5.53
L-index

#	Paper	IF	Citations
29	Continuous fast pyrolysis synthesis of TiO ₂ /C nanohybrid lithium-ion battery anode. <i>Nano Select</i> , 2021 , 2, 1770-1778	3.1	1
28	Fast Pyrolysis of Wheat Straw Improvements of Operational Stability in 10 Years of Bioliq Pilot Plant Operation. <i>Energy & Fuels</i> , 2021 , 35, 11333-11345	4.1	1
27	Biomass pyrolysis TGA assessment with an international round robin. <i>Fuel</i> , 2020 , 276, 118002	7.1	34
26	Improvement of proximate data and calorific value assessment of bamboo through near infrared wood chips acquisition. <i>Renewable Energy</i> , 2020 , 147, 1921-1931	8.1	19
25	A vision on biomass-to-liquids (BTL) thermochemical routes in integrated sugarcane biorefineries for biojet fuel production. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 119, 109607	16.2	28
24	Results of the International Energy Agency Bioenergy Round Robin on the Analysis of Heteroatoms in Biomass Liquefaction Oils. <i>Energy & Fuels</i> , 2020 , 34, 11123-11133	4.1	3
23	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	8.3	9
22	Pyrolysis kinetics and estimation of chemical composition of Quercus cerris cork. <i>Biomass Conversion and Biorefinery</i> , 2020 , 1	2.3	2
21	From agriculture residue to upgraded product: The thermochemical conversion of sugarcane bagasse for fuel and chemical products. <i>Fuel Processing Technology</i> , 2020 , 197, 106199	7.2	26
20	Precision test for the spectral characteristic of FT-NIR for the measurement of water content of wheat straw. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 301, 012034	0.3	
19	Moisture content as a design and operational parameter for fast pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019 , 139, 73-86	6	13
18	Application of fast pyrolysis char in an electric arc furnace. <i>Fuel Processing Technology</i> , 2018 , 174, 61-68	7.2	14
17	Towards Biochar and Hydrochar Engineering Influence of Process Conditions on Surface Physical and Chemical Properties, Thermal Stability, Nutrient Availability, Toxicity and Wettability. <i>Energies</i> , 2018 , 11, 496	3.1	52
16	Activity of water in pyrolysis oil Experiments and modelling. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018 , 135, 260-270	6	10
15	Modelling and improvement of heat transfer coefficient in auger type reactors for fast pyrolysis application. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018 , 130, 67-75	3.7	12
14	Experimental comparison of two bench scale units for fast and intermediate pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017 , 124, 504-514	6	32
13	Dimensional Analysis of Auger-Type Fast Pyrolysis Reactors. <i>Energy Technology</i> , 2017 , 5, 119-129	3.5	20

12	Fast Pyrolysis of Biomass Residues in a Twin-screw Mixing Reactor. <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	8
11	Effects of selected process conditions on the stability of hydrochar in low-carbon sandy soil. <i>Geoderma</i> , 2016 , 267, 137-145	6.7	23
10	Fast pyrolysis char - Assessment of alternative uses within the bioliq ² concept. <i>Bioresource Technology</i> , 2016 , 200, 905-13	11	29
9	Fate of Plant Available Nutrients during Hydrothermal Carbonization of Digestate. <i>Chemie-Ingenieur-Technik</i> , 2015 , 87, 1713-1719	0.8	22
8	Hydrothermal Carbonization of Biomass 2015 , 325-352		15
7	Hydrothermal conversion of biomass to fuels and energetic materials. <i>Current Opinion in Chemical Biology</i> , 2013 , 17, 515-21	9.7	325
6	Cascaded production of biogas and hydrochar from wheat straw: Energetic potential and recovery of carbon and plant nutrients. <i>Biomass and Bioenergy</i> , 2013 , 58, 229-237	5.3	59
5	Experimental comparison of hydrothermal and vapothermal carbonization. <i>Fuel Processing Technology</i> , 2013 , 115, 261-269	7.2	67
4	Propagation of uncertainties and systematic errors in the measurements of long-lasting heat flows using differential scanning calorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 108, 1317-1324 ¹	4.1	7
3	Hydrothermal carbonization of biomass residuals: a comparative review of the chemistry, processes and applications of wet and dry pyrolysis. <i>Biofuels</i> , 2011 , 2, 71-106	2	1013
2	Heat of reaction measurements for hydrothermal carbonization of biomass. <i>Bioresource Technology</i> , 2011 , 102, 7595-8	11	79
1	Hydrothermal carbonization of biomass: A summary and discussion of chemical mechanisms for process engineering. <i>Biofuels, Bioproducts and Biorefining</i> , 2010 , 4, 160-177	5.3	1055