

Mortaza Gholizadeh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/630215/publications.pdf>

Version: 2024-02-01

40
papers

1,886
citations

331538

21
h-index

330025

37
g-index

40
all docs

40
docs citations

40
times ranked

1484
citing authors

#	ARTICLE	IF	CITATIONS
1	Pyrolysis of cellulose: Correlation of hydrophilicity with evolution of functionality of biochar. <i>Science of the Total Environment</i> , 2022, 825, 153959.	3.9	19
2	Progress in understanding the coking behavior of typical catalysts in the catalytic pyrolysis of biomass. <i>Sustainable Energy and Fuels</i> , 2022, 6, 2113-2148.	2.5	4
3	Activation of waste paper: Influence of varied chemical agents on product properties. <i>Waste Management</i> , 2022, 146, 94-105.	3.7	11
4	Pyrolysis of bottle-grade polyethylene terephthalate: Effect of carrier gases on carriage of pyrolysis products. <i>Polymer Engineering and Science</i> , 2022, 62, 2524-2531.	1.5	4
5	Progress of using biochar as a catalyst in thermal conversion of biomass. <i>Reviews in Chemical Engineering</i> , 2021, 37, 229-258.	2.3	26
6	Integrated Cr and S poisoning of a $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\delta}$ (LSCF) cathode for solid oxide fuel cells. <i>RSC Advances</i> , 2021, 11, 7-14.	1.7	11
7	Biochar catalyzing polymerization of the volatiles from pyrolysis of poplar wood. <i>International Journal of Energy Research</i> , 2021, 45, 13936-13951.	2.2	11
8	Fates of heavy organics of bio-oil in hydrotreatment: The key challenge in the way from biomass to biofuel. <i>Science of the Total Environment</i> , 2021, 778, 146321.	3.9	20
9	Catalytic pyrolysis of polyethylene terephthalate over zeolite catalyst: Characteristics of coke and the products. <i>International Journal of Energy Research</i> , 2021, 45, 19028-19042.	2.2	25
10	Pyrolysis of soybean residue: Understanding characteristics of the products. <i>Renewable Energy</i> , 2021, 174, 487-500.	4.3	17
11	Co-hydrothermal carbonization of swine and chicken manure: Influence of cross-interaction on hydrochar and liquid characteristics. <i>Science of the Total Environment</i> , 2021, 786, 147381.	3.9	38
12	Determination of nano and microplastic particles in hypersaline lakes by multiple methods. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 668.	1.3	11
13	Co-hydrothermal carbonization of swine manure and cellulose: Influence of mutual interaction of intermediates on properties of the products. <i>Science of the Total Environment</i> , 2021, 791, 148134.	3.9	16
14	Removal of heavy metals from soil with biochar composite: A critical review of the mechanism. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105830.	3.3	97
15	Impact of Acidic/Basic Sites of the Catalyst on Properties of the Coke Formed in Pyrolysis of Guaiacol: A Model Compound of the Phenolics in Bio-oil. <i>Energy & Fuels</i> , 2020, 34, 11026-11040.	2.5	13
16	Catalytic pyrolysis of tire waste: Impacts of biochar catalyst on product evolution. <i>Waste Management</i> , 2020, 116, 9-21.	3.7	46
17	Effects of Glucose on Nitrogen Retention and Transformation during Copyrolysis with Fiberboard Waste. <i>Energy & Fuels</i> , 2020, 34, 11083-11090.	2.5	14
18	Progress of the development of reactors for pyrolysis of municipal waste. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5885-5915.	2.5	32

#	ARTICLE	IF	CITATIONS
19	Interaction of the volatiles from co-pyrolysis of pig manure with cellulose/glucose and their effects on char properties. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104583.	3.3	20
20	Different reaction behaviours of light or heavy density polyethylene during the pyrolysis with biochar as the catalyst. <i>Journal of Hazardous Materials</i> , 2020, 399, 123075.	6.5	74
21	Coke Formation during Thermal Treatment of Bio-oil. <i>Energy & Fuels</i> , 2020, 34, 7863-7914.	2.5	123
22	Investigating the degradability of polyethylene using starch, oxo-ε-caprolactone, and polylactic acid under the different environmental conditions. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2020, 15, e2402.	0.8	18
23	Pyrolysis of cellulose with co-feeding of formic or acetic acid. <i>Cellulose</i> , 2020, 27, 4909-4929.	2.4	9
24	Gasification of wastes: The impact of the feedstock type and co-gasification on the formation of volatiles and char. <i>International Journal of Energy Research</i> , 2020, 44, 3587-3606.	2.2	24
25	A mini review of the specialties of the bio-oils produced from pyrolysis of 20 different biomasses. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 114, 109313.	8.2	83
26	Hydrotreatment of pyrolysis bio-oil: A review. <i>Fuel Processing Technology</i> , 2019, 195, 106140.	3.7	146
27	Cross-interaction during Co-gasification of wood, weed, plastic, tire and carton. <i>Journal of Environmental Management</i> , 2019, 250, 109467.	3.8	38
28	Biomass pyrolysis: A review of the process development and challenges from initial researches up to the commercialisation stage. <i>Journal of Energy Chemistry</i> , 2019, 39, 109-143.	7.1	412
29	Catalytic pyrolysis of poplar wood over transition metal oxides: Correlation of catalytic behaviors with physicochemical properties of the oxides. <i>Biomass and Bioenergy</i> , 2019, 124, 125-141.	2.9	82
30	Pyrolysis of different wood species: Impacts of C/H ratio in feedstock on distribution of pyrolysis products. <i>Biomass and Bioenergy</i> , 2019, 120, 28-39.	2.9	81
31	Study of the effect of the temperature of caustic tower operation on red oil formation in olefin units. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2018, 13, e2189.	0.8	1
32	Effects of temperature on the hydrotreatment behaviour of pyrolysis bio-oil and coke formation in a continuous hydrotreatment reactor. <i>Fuel Processing Technology</i> , 2016, 148, 175-183.	3.7	77
33	Importance of hydrogen and bio-oil inlet temperature during the hydrotreatment of bio-oil. <i>Fuel Processing Technology</i> , 2016, 150, 132-140.	3.7	36
34	Different reaction behaviours of the light and heavy components of bio-oil during the hydrotreatment in a continuous pack-bed reactor. <i>Fuel Processing Technology</i> , 2016, 146, 76-84.	3.7	34
35	Upgrading of bio-oil into advanced biofuels and chemicals. Part III. Changes in aromatic structure and coke forming propensity during the catalytic hydrotreatment of a fast pyrolysis bio-oil with Pd/C catalyst. <i>Fuel</i> , 2014, 116, 642-649.	3.4	71
36	Upgrading of bio-oil into advanced biofuels and chemicals. Part I. Transformation of GC-detectable light species during the hydrotreatment of bio-oil using Pd/C catalyst. <i>Fuel</i> , 2013, 111, 709-717.	3.4	73

#	ARTICLE	IF	CITATIONS
37	Upgrading of bio-oil into advanced biofuels and chemicals. Part II. Importance of holdup of heavy species during the hydrotreatment of bio-oil in a continuous packed-bed catalytic reactor. Fuel, 2013, 112, 302-310.	3.4	65
38	Pyrolysis behaviors of rapeseed meal: products distribution and properties. Biomass Conversion and Biorefinery, 0, , 1.	2.9	2
39	The fate of char in controlling the rate of heavy metal transfer from soil to potato. Chemical Papers, 0, , 1.	1.0	0
40	Co-pyrolysis of polyethylene terephthalate and poplar wood: influence of zeolite catalyst on coke formation. Biomass Conversion and Biorefinery, 0, , 1.	2.9	2