Mortaza Gholizadeh

List of Publications by Year
in descending order

40	1,886	331538 21	330025 37
papers	citations	h-index	g-index

40	40	40	1484
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biomass pyrolysis: A review of the process development and challenges from initial researches up to the commercialisation stage. Journal of Energy Chemistry, 2019, 39, 109-143.	7.1	412
2	Hydrotreatment of pyrolysis bio-oil: A review. Fuel Processing Technology, 2019, 195, 106140.	3.7	146
3	Coke Formation during Thermal Treatment of Bio-oil. Energy & Fuels, 2020, 34, 7863-7914.	2.5	123
4	Removal of heavy metals from soil with biochar composite: A critical review of the mechanism. Journal of Environmental Chemical Engineering, 2021, 9, 105830.	3.3	97
5	A mini review of the specialties of the bio-oils produced from pyrolysis of 20 different biomasses. Renewable and Sustainable Energy Reviews, 2019, 114, 109313.	8.2	83
6	Catalytic pyrolysis of poplar wood over transition metal oxides: Correlation of catalytic behaviors with physiochemical properties of the oxides. Biomass and Bioenergy, 2019, 124, 125-141.	2.9	82
7	Pyrolysis of different wood species: Impacts of C/H ratio in feedstock on distribution of pyrolysis products. Biomass and Bioenergy, 2019, 120, 28-39.	2.9	81
8	Effects of temperature on the hydrotreatment behaviour of pyrolysis bio-oil and coke formation in a continuous hydrotreatment reactor. Fuel Processing Technology, 2016, 148, 175-183.	3.7	77
9	Different reaction behaviours of light or heavy density polyethylene during the pyrolysis with biochar as the catalyst. Journal of Hazardous Materials, 2020, 399, 123075.	6.5	74
10	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. Fuel, 2013, 111, 709-717.	3.4	73
11	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. Fuel, 2014, 116, 642-649.	3.4	71
12	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
13	Catalytic pyrolysis of tire waste: Impacts of biochar catalyst on product evolution. Waste Management, 2020, 116, 9-21.	3.7	46
14	Cross-interaction during Co-gasification of wood, weed, plastic, tire and carton. Journal of Environmental Management, 2019, 250, 109467.	3.8	38
15	Co-hydrothermal carbonization of swine and chicken manure: Influence of cross-interaction on hydrochar and liquid characteristics. Science of the Total Environment, 2021, 786, 147381.	3.9	38
16	Importance of hydrogen and bio-oil inlet temperature during the hydrotreatment of bio-oil. Fuel Processing Technology, 2016, 150, 132-140.	3.7	36
17	Different reaction behaviours of the light and heavy components of bio-oil during the hydrotreatment in a continuous pack-bed reactor. Fuel Processing Technology, 2016, 146, 76-84.	3.7	34
18	Progress of the development of reactors for pyrolysis of municipal waste. Sustainable Energy and Fuels, 2020, 4, 5885-5915.	2.5	32

#	Article	IF	Citations
19	Progress of using biochar as a catalyst in thermal conversion of biomass. Reviews in Chemical Engineering, 2021, 37, 229-258.	2.3	26
20	Catalytic pyrolysis of polyethylene terephthalate over zeolite catalyst: Characteristics of coke and the products. International Journal of Energy Research, 2021, 45, 19028-19042.	2.2	25
21	Gasification of wastes: The impact of the feedstock type and coâ€gasification on the formation of volatiles and char. International Journal of Energy Research, 2020, 44, 3587-3606.	2.2	24
22	Interaction of the volatiles from co-pyrolysis of pig manure with cellulose/glucose and their effects on char properties. Journal of Environmental Chemical Engineering, 2020, 8, 104583.	3.3	20
23	Fates of heavy organics of bio-oil in hydrotreatment: The key challenge in the way from biomass to biofuel. Science of the Total Environment, 2021, 778, 146321.	3.9	20
24	Pyrolysis of cellulose: Correlation of hydrophilicity with evolution of functionality of biochar. Science of the Total Environment, 2022, 825, 153959.	3.9	19
25	Investigating the degradability of polyethylene using starch, oxoâ€material, and polylactic acid under the different environmental conditions. Asia-Pacific Journal of Chemical Engineering, 2020, 15, e2402.	0.8	18
26	Pyrolysis of soybean residue: Understanding characteristics of the products. Renewable Energy, 2021, 174, 487-500.	4.3	17
27	Co-hydrothermal carbonization of swine manure and cellulose: Influence of mutual interaction of intermediates on properties of the products. Science of the Total Environment, 2021, 791, 148134.	3.9	16
28	Effects of Glucose on Nitrogen Retention and Transformation during Copyrolysis with Fiberboard Waste. Energy & Fuels, 2020, 34, 11083-11090.	2.5	14
29	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. Energy & Fuels, 2020, 34, 11026-11040.	2.5	13
30	Integrated Cr and S poisoning of a La_{0.6}Sr_{0.4}Co_{0.2}Fe_{0.8}O_{3â^Î´} (LSCF) cathode for solid oxide fuel cells. RSC Advances, 2021, 11, 7-14.	1.7	11
31	Biochar catalyzing polymerization of the volatiles from pyrolysis of poplar wood. International Journal of Energy Research, 2021, 45, 13936-13951.	2.2	11
32	Determination of nano and microplastic particles in hypersaline lakes by multiple methods. Environmental Monitoring and Assessment, 2021, 193, 668.	1.3	11
33	Activation of waste paper: Influence of varied chemical agents on product properties. Waste Management, 2022, 146, 94-105.	3.7	11
34	Pyrolysis of cellulose with co-feeding of formic or acetic acid. Cellulose, 2020, 27, 4909-4929.	2.4	9
35	Progress in understanding the coking behavior of typical catalysts in the catalytic pyrolysis of biomass. Sustainable Energy and Fuels, 2022, 6, 2113-2148.	2.5	4
36	Pyrolysis of <scp>bottleâ€grade</scp> polyethylene terephthalate: Effect of carrier gases on carriage of pyrolysis products. Polymer Engineering and Science, 2022, 62, 2524-2531.	1.5	4

#	Article	IF	Citations
37	Pyrolysis behaviors of rapeseed meal: products distribution and properties. Biomass Conversion and Biorefinery, 0, , 1.	2.9	2
38	Co-pyrolysis of polyethylene terephthalate and poplar wood: influence of zeolite catalyst on coke formation. Biomass Conversion and Biorefinery, 0, , 1.	2.9	2
39	Study of the effect of the temperature of caustic tower operation on red oil formation in olefin units. Asia-Pacific Journal of Chemical Engineering, 2018, 13, e2189.	0.8	1
40	The fate of char in controlling the rate of heavy metal transfer from soil to potato. Chemical Papers, 0, , 1.	1.0	0