Selhan Karagz

List of Publications by Year in Descending Order

78 papers	3,773 citations	29 h-index	61 g-index
80 ext. papers	4,231 ext. citations	5.9 avg, IF	5.82 L-index

#	Paper	IF	Citations
78	Comments on Influence of extraction solvents on the recovery yields and properties of bio-oils from woody biomass liquefaction in sub-critical water, ethanol or water–ethanol mixed solvent. *Fuel*, **2022**, 319, 123865	7.1	
77	Comments on Hydrothermal liquefaction of Cd-enriched Amaranthus hypochondriacus L. in ethanol–water co-solvent: Focus on low-N bio-oil and heavy metal/metal-like distribution. *Fuel*, **2021**, 310, 122396	7.1	
76	Use of a Lewis acid, a Brønsted acid, and their binary mixtures for the liquefaction of lignocellulose by supercritical ethanol processing. *Sustainable Energy and Fuels*, **2021**, 5, 5445-5453	5.8	1
75	Effects of hydrothermal carbonization on products from fast pyrolysis of cellulose. *Journal of the Energy Institute*, **2021**, 99, 299-306	5.7	1
74	In-situ catalytic co-pyrolysis of kukersite oil shale with black pine wood over acid zeolites. *Journal of Analytical and Applied Pyrolysis*, **2021**, 155, 105050	6	5
73	Effects of Metal Chlorides on the Hydrothermal Carbonization of Grape Seeds. *Energy & Fuels*, **2021**, 35, 8834-8843	4.1	1
72	Activated carbons from co-carbonization of waste truck tires and spent tea leaves. *Sustainable Chemistry and Pharmacy*, **2021**, 21, 100410	3.9	10
71	Comment on Biocrude Upgrading in Different Solvents after Microalgae Hydrothermal Liquefaction—Problems, Pitfalls, and Solutions. *Industrial & Engineering Chemistry Research*, **2021**, 60, 12133-12135	3.9	
70	Hydrothermal liquefaction of olive oil residues. *Sustainable Chemistry and Pharmacy*, **2021**, 22, 100476	3.9	3
69	Use of a Lewis acid, a Brønsted acid, and their binary mixtures for the hydrothermal liquefaction of lignocellulose. *Fuel*, **2021**, 304, 121398	7.1	5
68	One-step transformation of biomass to fuel precursors using a bi-functional combination of Pd/C and water tolerant Lewis acid. *Fuel*, **2020**, 277, 118200	7.1	10
67	Online fast pyrolysis of cellulose over titanium dioxide using tandem micro-reactor-GC-MS. *Sustainable Chemistry and Pharmacy*, **2020**, 16, 100268	3.9	2
66	Hydrothermal carbonization of lignocellulosic biomass and effects of combined Lewis and Brønsted acid catalysts. *Fuel*, **2020**, 279, 118458	7.1	17
65	Microporous activated carbons from lignocellulosic biomass by KOH activation. *Fullerenes Nanotubes and Carbon Nanostructures*, **2020**, 28, 1030-1037	1.8	10
64	Sustainable energy and fuels from biomass: a review focusing on hydrothermal biomass processing. *Sustainable Energy and Fuels*, **2020**, 4, 4390-4414	5.8	47
63	Hydrothermal and supercritical ethanol processing of woody biomass with a high-silica zeolite catalyst. *Biomass Conversion and Biorefinery*, **2019**, 9, 669-680	2.3	8
62	One-pot transformation of lignocellulosic biomass into crude bio-oil with metal chlorides via hydrothermal and supercritical ethanol processing. *Bioresource Technology*, **2019**, 288, 121500	11	15

61	Hydrothermal Liquefaction of Lignocellulosic Biomass Using Potassium Fluoride-Doped Alumina. *Energy & Fuels*, **2019**, 33, 3248-3256	4.1	27
60	Effects of Acidic and Alkaline Metal Triflates on the Hydrothermal Carbonization of Glucose and Cellulose. *Energy & Fuels*, **2019**, 33, 7473-7479	4.1	13
59	Co-hydrothermal Liquefaction of Lignocellulosic Biomass with Kukersite Oil Shale. *Energy & Fuels*, **2019**, 33, 7424-7435	4.1	5
58	Influence of Co-Pyrolysis of Waste Tetra Pak with Waste Motor Oil on Product Distribution and Properties for Fuel Application. *Energy & Fuels*, **2019**, 33, 11101-11112	4.1	16
57	The role of capping agents in the fabrication of nano-silver-decorated hydrothermal carbons. *Journal of Environmental Chemical Engineering*, **2019**, 7, 103415	6.8	3
56	Anode performance of hydrothermally grown carbon nanostructures and their molybdenum chalcogenides for Li-ion batteries. *MRS Communications*, **2018**, 8, 610-616	2.7	4
55	Production of crude bio-oil and biochar from hydrothermal conversion of jujube stones with metal carbonates. *Biofuels*, **2018**, 9, 613-623	2	3
54	Ethanol: A Promising Green Solvent for the Deconstruction of Lignocellulose. *ChemSusChem*, **2018**, 11, 3559-3575	8.3	45
53	Alkali-catalyzed hydrothermal treatment of sawdust for production of a potential feedstock for catalytic gasification. *Applied Energy*, **2018**, 231, 594-599	10.7	5
52	Co-processing of olive bagasse with crude rapeseed oil via pyrolysis. *Waste Management and Research*, **2017**, 35, 480-490	4	2
51	Deconstruction of lignocellulosic biomass with hydrated cerium (III) chloride in water and ethanol. *Applied Catalysis A: General*, **2017**, 546, 67-78	5.1	11
50	Hydrothermal carbonization for the preparation of hydrochars from glucose, cellulose, chitin, chitosan and wood chips via low-temperature and their characterization. *Bioresource Technology*, **2017**, 246, 82-87	11	96
49	Supercritical fluid extraction of biofuels from biomass. *Environmental Chemistry Letters*, **2017**, 15, 29-41	13.3	34
48	Experimental design for extraction of bio-oils from flax seeds under supercritical ethanol conditions. *Clean Technologies and Environmental Policy*, **2016**, 18, 461-471	4.3	11
47	Preparation of nano-silver-supported activated carbon using different ligands. *Research on Chemical Intermediates*, **2016**, 42, 1663-1676	2.8	19
46	The effects of water tolerant Lewis acids on the hydrothermal liquefaction of lignocellulosic biomass. *Journal of the Energy Institute*, **2016**, 89, 627-635	5.7	30
45	Co-pyrolysis of waste polyolefins with waste motor oil. *Journal of Analytical and Applied Pyrolysis*, **2016**, 119, 233-241	6	33
44	Cellulose-derived carbon spheres produced under supercritical ethanol conditions. *Clean Technologies and Environmental Policy*, **2016**, 18, 331-338	4.3	11

43	Adsorption of Pb(II) and Cd(II) Ions Onto Dye-Attached Sawdust. *Clean - Soil, Air, Water*, **2016**, 44, 339-344	1.6	3
42	Single shot pyrolysis and on-line conversion of lignocellulosic biomass with HZSM-5 catalyst using tandem micro-reactor-GC-MS. *RSC Advances*, **2016**, 6, 46108-46115	3.7	28
41	Sage oil extraction and optimization by response surface methodology. *Industrial Crops and Products*, **2015**, 76, 829-835	5.9	20
40	Removal of lead (II) and nickel (II) ions from aqueous solution using activated carbon prepared from rapeseed oil cake by Na2CO3 activation. *Clean Technologies and Environmental Policy*, **2015**, 17, 747-756	4.3	43
39	Pyrolysis of agricultural residues for bio-oil production. *Clean Technologies and Environmental Policy* , **2015**, 17, 211-223	4.3	40
38	Supercritical Fluid Extraction of Bio-oils from Hawthorn Stones: A Box-Behnken Design for the Extraction Parameters. *Energy Technology*, **2015**, 3, 40-47	3.5	3
37	Activated Carbons From Grape Seeds By Chemical Activation With Potassium Carbonate And Potassium Hydroxide. *Applied Surface Science*, **2014**, 293, 138-142	6.7	137
36	Optimization of Ethanol Supercritical Fluid Extraction of Medicinal Compounds from St. John's Wort by Central Composite Design. *Analytical Letters*, **2014**, 47, 1900-1911	2.2	7
35	A review of hydrothermal biomass processing. *Renewable and Sustainable Energy Reviews*, **2014**, 40, 673-687	6.7	378
34	Analytical pyrolysis of biomass using gas chromatography coupled to mass spectrometry. *TrAC - Trends in Analytical Chemistry*, **2014**, 61, 11-16	14.6	45
33	Co-pyrolysis of pine nut shells with scrap tires. *Fuel*, **2014**, 137, 85-93	7.1	81
32	Catalytic pyrolysis of waste melamine coated chipboard. *Environmental Progress and Sustainable Energy*, **2013**, 32, 156-161	2.5	5
31	Hydrothermal conversion of woody biomass with disodium octaborate tetrahydrate and boric acid. *Industrial Crops and Products*, **2013**, 49, 334-340	5.9	16
30	Application of response surface methodology to extract yields from stinging nettle under supercritical ethanol conditions. *Journal of Supercritical Fluids*, **2013**, 84, 164-172	4.2	11
29	Supercritical ethanol extraction of bio-oils from German beech wood: Design of experiments. *Industrial Crops and Products*, **2013**, 49, 720-729	5.9	32
28	Non-catalytic and catalytic hydrothermal liquefaction of biomass. *Research on Chemical Intermediates*, **2013**, 39, 485-498	2.8	64
27	Hydrothermal wood processing using borax decahydrate and sodium borohydride. *Journal of Analytical and Applied Pyrolysis*, **2013**, 104, 68-72	6	14
26	Effect of sodium perborate monohydrate concentrations on product distributions from the hydrothermal liquefaction of Scotch pine wood. *Fuel Processing Technology*, **2013**, 110, 17-23	7.2	22

25	t-BuOK catalyzed bio-oil production from woody biomass under sub-critical water conditions. *Environmental Chemistry Letters*, **2013**, 11, 25-31	13.3	22
24	Removal of lead (II) ions from aqueous solutions onto activated carbon derived from waste biomass. *Scientific World Journal, The*, **2013**, 2013, 146092	2.2	19
23	Pyrolysis of table sugar. *Scientific World Journal, The*, **2013**, 2013, 172039	2.2	
22	Hydrothermal liquefaction of cornelian cherry stones for bio-oil production. *Bioresource Technology* , **2012**, 110, 682-7	11	97
21	Hydrothermal liquefaction of beech wood using a natural calcium borate mineral. *Journal of Supercritical Fluids*, **2012**, 72, 134-139	4.2	62
20	Lewis acid catalyzed diesel-like fuel production from raw corn oil. *International Journal of Energy Research*, **2009**, 33, 327-332	4.5	5
19	Energy production from the pyrolysis of waste biomasses. *International Journal of Energy Research*, **2009**, 33, 576-581	4.5	23
18	The slow pyrolysis of pomegranate seeds: The effect of temperature on the product yields and bio-oil properties. *Journal of Analytical and Applied Pyrolysis*, **2009**, 84, 151-156	6	113
17	Preparation and characterization of activated carbon from waste biomass. *Journal of Hazardous Materials*, **2009**, 165, 481-5	12.8	264
16	Preparation and characterization of activated carbon produced from pomegranate seeds by ZnCl2 activation. *Applied Surface Science*, **2009**, 255, 8890-8896	6.7	161
15	Activated carbons from waste biomass by sulfuric acid activation and their use on methylene blue adsorption. *Bioresource Technology*, **2008**, 99, 6214-22	11	358
14	The influence of the waste ethylene vinyl acetate copolymer on the thermal degradation of the waste polypropylene. *Fuel Processing Technology*, **2008**, 89, 1201-1206	7.2	12
13	Hydrothermal upgrading of biomass: effect of K2CO3 concentration and biomass/water ratio on products distribution. *Bioresource Technology*, **2006**, 97, 90-8	11	153
12	Comparative studies of oil compositions produced from sawdust, rice husk, lignin and cellulose by hydrothermal treatment. *Fuel*, **2005**, 84, 875-884	7.1	258
11	Evaluation of two different scrap tires as hydrocarbon source by pyrolysis. *Fuel*, **2005**, 84, 1884-1892	7.1	171
10	Copyrolysis of scrap tires with waste lubricant oil. *Fuel Processing Technology*, **2005**, 87, 53-58	7.2	54
9	Low-temperature catalytic hydrothermal treatment of wood biomass: analysis of liquid products. *Chemical Engineering Journal*, **2005**, 108, 127-137	14.7	199
8	Catalytic hydrothermal treatment of pine wood biomass: effect of RbOH and CsOH on product distribution. *Journal of Chemical Technology and Biotechnology*, **2005**, 80, 1097-1102	3.5	36

7	Trace element biomonitoring by leaves of Populus nigra L. from Western Anatolia, Turkey. *Journal of Environmental Biology*, **2005**, 26, 665-8	1.6	12
6	Effect of Rb and Cs carbonates for production of phenols from liquefaction of wood biomass. *Fuel*, **2004**, 83, 2293-2299	7.1	78
5	Low-Temperature Hydrothermal Treatment of Biomass: Effect of Reaction Parameters on Products and Boiling Point Distributions. *Energy & Fuels*, **2004**, 18, 234-241	4.1	124
4	Liquefaction of municipal waste plastics in VGO over acidic and non-acidic catalysts?. *Fuel*, **2003**, 82, 415-423	7.1	47
3	Catalytic and thermal degradation of high-density polyethylene in vacuum gas oil over non-acidic and acidic catalysts. *Applied Catalysis A: General*, **2003**, 242, 51-62	5.1	24
2	Catalytic Coprocessing of Low-Density Polyethylene with VGO Using Metal Supported on Activated Carbon. *Energy & Fuels*, **2002**, 16, 1301-1308	4.1	24
1	Preparation of o-bromobenzophenone derivatives from lithium diarylcuprate(I) reagents. *Applied Organometallic Chemistry*, **2000**, 14, 341-344	3.1	3