

# Selhan Karagz

## List of Publications by Citations

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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.

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	A review of hydrothermal biomass processing. <i>Renewable and Sustainable Energy Reviews</i> , <b>2014</b> , 40, 673-687	11.1	378
77	Activated carbons from waste biomass by sulfuric acid activation and their use on methylene blue adsorption. <i>Bioresource Technology</i> , <b>2008</b> , 99, 6214-22	11	358
76	Preparation and characterization of activated carbon from waste biomass. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 165, 481-5	12.8	264
75	Comparative studies of oil compositions produced from sawdust, rice husk, lignin and cellulose by hydrothermal treatment. <i>Fuel</i> , <b>2005</b> , 84, 875-884	7.1	258
74	Low-temperature catalytic hydrothermal treatment of wood biomass: analysis of liquid products. <i>Chemical Engineering Journal</i> , <b>2005</b> , 108, 127-137	14.7	199
73	Evaluation of two different scrap tires as hydrocarbon source by pyrolysis. <i>Fuel</i> , <b>2005</b> , 84, 1884-1892	7.1	171
72	Preparation and characterization of activated carbon produced from pomegranate seeds by ZnCl <sub>2</sub> activation. <i>Applied Surface Science</i> , <b>2009</b> , 255, 8890-8896	6.7	161
71	Hydrothermal upgrading of biomass: effect of K <sub>2</sub> CO <sub>3</sub> concentration and biomass/water ratio on products distribution. <i>Bioresource Technology</i> , <b>2006</b> , 97, 90-8	11	153
70	Activated Carbons From Grape Seeds By Chemical Activation With Potassium Carbonate And Potassium Hydroxide. <i>Applied Surface Science</i> , <b>2014</b> , 293, 138-142	6.7	137
69	Low-Temperature Hydrothermal Treatment of Biomass: Effect of Reaction Parameters on Products and Boiling Point Distributions. <i>Energy &amp; Fuels</i> , <b>2004</b> , 18, 234-241	4.1	124
68	The slow pyrolysis of pomegranate seeds: The effect of temperature on the product yields and bio-oil properties. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2009</b> , 84, 151-156	6	113
67	Hydrothermal liquefaction of cornelian cherry stones for bio-oil production. <i>Bioresource Technology</i> , <b>2012</b> , 110, 682-7	11	97
66	Hydrothermal carbonization for the preparation of hydrochars from glucose, cellulose, chitin, chitosan and wood chips via low-temperature and their characterization. <i>Bioresource Technology</i> , <b>2017</b> , 246, 82-87	11	96
65	Co-pyrolysis of pine nut shells with scrap tires. <i>Fuel</i> , <b>2014</b> , 137, 85-93	7.1	81
64	Effect of Rb and Cs carbonates for production of phenols from liquefaction of wood biomass. <i>Fuel</i> , <b>2004</b> , 83, 2293-2299	7.1	78
63	Non-catalytic and catalytic hydrothermal liquefaction of biomass. <i>Research on Chemical Intermediates</i> , <b>2013</b> , 39, 485-498	2.8	64
62	Hydrothermal liquefaction of beech wood using a natural calcium borate mineral. <i>Journal of Supercritical Fluids</i> , <b>2012</b> , 72, 134-139	4.2	62

61	Copyrolysis of scrap tires with waste lubricant oil. <i>Fuel Processing Technology</i> , <b>2005</b> , 87, 53-58	7.2	54
60	Liquefaction of municipal waste plastics in VGO over acidic and non-acidic catalysts?. <i>Fuel</i> , <b>2003</b> , 82, 415-423	4.2	47
59	Sustainable energy and fuels from biomass: a review focusing on hydrothermal biomass processing. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 4390-4414	5.8	47
58	Ethanol: A Promising Green Solvent for the Deconstruction of Lignocellulose. <i>ChemSusChem</i> , <b>2018</b> , 11, 3559-3575	8.3	45
57	Analytical pyrolysis of biomass using gas chromatography coupled to mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2014</b> , 61, 11-16	14.6	45
56	Removal of lead (II) and nickel (II) ions from aqueous solution using activated carbon prepared from rapeseed oil cake by Na <sub>2</sub> CO <sub>3</sub> activation. <i>Clean Technologies and Environmental Policy</i> , <b>2015</b> , 17, 747-756	4.3	43
55	Pyrolysis of agricultural residues for bio-oil production. <i>Clean Technologies and Environmental Policy</i> , <b>2015</b> , 17, 211-223	4.3	40
54	Catalytic hydrothermal treatment of pine wood biomass: effect of RbOH and CsOH on product distribution. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2005</b> , 80, 1097-1102	3.5	36
53	Supercritical fluid extraction of biofuels from biomass. <i>Environmental Chemistry Letters</i> , <b>2017</b> , 15, 29-41	13.3	34
52	Co-pyrolysis of waste polyolefins with waste motor oil. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2016</b> , 119, 233-241	6	33
51	Supercritical ethanol extraction of bio-oils from German beech wood: Design of experiments. <i>Industrial Crops and Products</i> , <b>2013</b> , 49, 720-729	5.9	32
50	The effects of water tolerant Lewis acids on the hydrothermal liquefaction of lignocellulosic biomass. <i>Journal of the Energy Institute</i> , <b>2016</b> , 89, 627-635	5.7	30
49	Single shot pyrolysis and on-line conversion of lignocellulosic biomass with HZSM-5 catalyst using tandem micro-reactor-GC-MS. <i>RSC Advances</i> , <b>2016</b> , 6, 46108-46115	3.7	28
48	Hydrothermal Liquefaction of Lignocellulosic Biomass Using Potassium Fluoride-Doped Alumina. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 3248-3256	4.1	27
47	Catalytic and thermal degradation of high-density polyethylene in vacuum gas oil over non-acidic and acidic catalysts. <i>Applied Catalysis A: General</i> , <b>2003</b> , 242, 51-62	5.1	24
46	Catalytic Coprocessing of Low-Density Polyethylene with VGO Using Metal Supported on Activated Carbon. <i>Energy &amp; Fuels</i> , <b>2002</b> , 16, 1301-1308	4.1	24
45	Energy production from the pyrolysis of waste biomasses. <i>International Journal of Energy Research</i> , <b>2009</b> , 33, 576-581	4.5	23
44	Effect of sodium perborate monohydrate concentrations on product distributions from the hydrothermal liquefaction of Scotch pine wood. <i>Fuel Processing Technology</i> , <b>2013</b> , 110, 17-23	7.2	22

43	t-BuOK catalyzed bio-oil production from woody biomass under sub-critical water conditions. <i>Environmental Chemistry Letters</i> , <b>2013</b> , 11, 25-31	13.3	22
42	Sage oil extraction and optimization by response surface methodology. <i>Industrial Crops and Products</i> , <b>2015</b> , 76, 829-835	5.9	20
41	Preparation of nano-silver-supported activated carbon using different ligands. <i>Research on Chemical Intermediates</i> , <b>2016</b> , 42, 1663-1676	2.8	19
40	Removal of lead (II) ions from aqueous solutions onto activated carbon derived from waste biomass. <i>Scientific World Journal, The</i> , <b>2013</b> , 2013, 146092	2.2	19
39	Hydrothermal carbonization of lignocellulosic biomass and effects of combined Lewis and Brønsted acid catalysts. <i>Fuel</i> , <b>2020</b> , 279, 118458	7.1	17
38	Influence of Co-Pyrolysis of Waste Tetra Pak with Waste Motor Oil on Product Distribution and Properties for Fuel Application. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 11101-11112	4.1	16
37	Hydrothermal conversion of woody biomass with disodium octaborate tetrahydrate and boric acid. <i>Industrial Crops and Products</i> , <b>2013</b> , 49, 334-340	5.9	16
36	One-pot transformation of lignocellulosic biomass into crude bio-oil with metal chlorides via hydrothermal and supercritical ethanol processing. <i>Bioresource Technology</i> , <b>2019</b> , 288, 121500	11	15
35	Hydrothermal wood processing using borax decahydrate and sodium borohydride. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2013</b> , 104, 68-72	6	14
34	Effects of Acidic and Alkaline Metal Triflates on the Hydrothermal Carbonization of Glucose and Cellulose. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 7473-7479	4.1	13
33	The influence of the waste ethylene vinyl acetate copolymer on the thermal degradation of the waste polypropylene. <i>Fuel Processing Technology</i> , <b>2008</b> , 89, 1201-1206	7.2	12
32	Trace element biomonitoring by leaves of <i>Populus nigra</i> L. from Western Anatolia, Turkey. <i>Journal of Environmental Biology</i> , <b>2005</b> , 26, 665-8	1.6	12
31	Experimental design for extraction of bio-oils from flax seeds under supercritical ethanol conditions. <i>Clean Technologies and Environmental Policy</i> , <b>2016</b> , 18, 461-471	4.3	11
30	Cellulose-derived carbon spheres produced under supercritical ethanol conditions. <i>Clean Technologies and Environmental Policy</i> , <b>2016</b> , 18, 331-338	4.3	11
29	Application of response surface methodology to extract yields from stinging nettle under supercritical ethanol conditions. <i>Journal of Supercritical Fluids</i> , <b>2013</b> , 84, 164-172	4.2	11
28	Deconstruction of lignocellulosic biomass with hydrated cerium (III) chloride in water and ethanol. <i>Applied Catalysis A: General</i> , <b>2017</b> , 546, 67-78	5.1	11
27	One-step transformation of biomass to fuel precursors using a bi-functional combination of Pd/C and water tolerant Lewis acid. <i>Fuel</i> , <b>2020</b> , 277, 118200	7.1	10
26	Microporous activated carbons from lignocellulosic biomass by KOH activation. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2020</b> , 28, 1030-1037	1.8	10

25	Activated carbons from co-carbonization of waste truck tires and spent tea leaves. <i>Sustainable Chemistry and Pharmacy</i> , <b>2021</b> , 21, 100410	3.9	10
24	Hydrothermal and supercritical ethanol processing of woody biomass with a high-silica zeolite catalyst. <i>Biomass Conversion and Biorefinery</i> , <b>2019</b> , 9, 669-680	2.3	8
23	Optimization of Ethanol Supercritical Fluid Extraction of Medicinal Compounds from St. John's Wort by Central Composite Design. <i>Analytical Letters</i> , <b>2014</b> , 47, 1900-1911	2.2	7
22	Co-hydrothermal Liquefaction of Lignocellulosic Biomass with Kukersite Oil Shale. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 7424-7435	4.1	5
21	Catalytic pyrolysis of waste melamine coated chipboard. <i>Environmental Progress and Sustainable Energy</i> , <b>2013</b> , 32, 156-161	2.5	5
20	Lewis acid catalyzed diesel-like fuel production from raw corn oil. <i>International Journal of Energy Research</i> , <b>2009</b> , 33, 327-332	4.5	5
19	In-situ catalytic co-pyrolysis of kukersite oil shale with black pine wood over acid zeolites. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2021</b> , 155, 105050	6	5
18	Alkali-catalyzed hydrothermal treatment of sawdust for production of a potential feedstock for catalytic gasification. <i>Applied Energy</i> , <b>2018</b> , 231, 594-599	10.7	5
17	Use of a Lewis acid, a Brønsted acid, and their binary mixtures for the hydrothermal liquefaction of lignocellulose. <i>Fuel</i> , <b>2021</b> , 304, 121398	7.1	5
16	Anode performance of hydrothermally grown carbon nanostructures and their molybdenum chalcogenides for Li-ion batteries. <i>MRS Communications</i> , <b>2018</b> , 8, 610-616	2.7	4
15	Production of crude bio-oil and biochar from hydrothermal conversion of jujube stones with metal carbonates. <i>Biofuels</i> , <b>2018</b> , 9, 613-623	2	3
14	Supercritical Fluid Extraction of Bio-oils from Hawthorn Stones: A Box-Behnken Design for the Extraction Parameters. <i>Energy Technology</i> , <b>2015</b> , 3, 40-47	3.5	3
13	Preparation of o-bromobenzophenone derivatives from lithium diarylcuprate(I) reagents. <i>Applied Organometallic Chemistry</i> , <b>2000</b> , 14, 341-344	3.1	3
12	Adsorption of Pb(II) and Cd(II) Ions Onto Dye-Attached Sawdust. <i>Clean - Soil, Air, Water</i> , <b>2016</b> , 44, 339-344.6		3
11	The role of capping agents in the fabrication of nano-silver-decorated hydrothermal carbons. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 103415	6.8	3
10	Hydrothermal liquefaction of olive oil residues. <i>Sustainable Chemistry and Pharmacy</i> , <b>2021</b> , 22, 100476	3.9	3
9	Co-processing of olive bagasse with crude rapeseed oil via pyrolysis. <i>Waste Management and Research</i> , <b>2017</b> , 35, 480-490	4	2
8	Online fast pyrolysis of cellulose over titanium dioxide using tandem micro-reactor-GC-MS. <i>Sustainable Chemistry and Pharmacy</i> , <b>2020</b> , 16, 100268	3.9	2

7	Use of a Lewis acid, a Brønsted acid, and their binary mixtures for the liquefaction of lignocellulose by supercritical ethanol processing. <i>Sustainable Energy and Fuels</i> , <b>2021</b> , 5, 5445-5453	5.8	1
6	Effects of hydrothermal carbonization on products from fast pyrolysis of cellulose. <i>Journal of the Energy Institute</i> , <b>2021</b> , 99, 299-306	5.7	1
5	Effects of Metal Chlorides on the Hydrothermal Carbonization of Grape Seeds. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 8834-8843	4.1	1
4	Pyrolysis of table sugar. <i>Scientific World Journal, The</i> , <b>2013</b> , 2013, 172039	2.2	
3	Comments on Hydrothermal liquefaction of Cd-enriched <i>Amaranthus hypochondriacus</i> L. in ethanol-water co-solvent: Focus on low-N bio-oil and heavy metal/metal-like distribution. <i>Fuel</i> , <b>2021</b> , 310, 122396	7.1	
2	Comment on Biocrude Upgrading in Different Solvents after Microalgae Hydrothermal Liquefaction-Problems, Pitfalls, and Solutions. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 12133-12135	3.9	
1	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. <i>Fuel</i> , <b>2022</b> , 319, 123865	7.1	