

Chia-Chi Chang

List of Publications by Year in descending order

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32
papers

647
citations

687363

13
h-index

580821

25
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32
all docs

32
docs citations

32
times ranked

868
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodiesel production from tung (<i>Vernicia montana</i>) oil and its blending properties in different fatty acid compositions. <i>Bioresource Technology</i> , 2010, 101, 9521-9526.	9.6	111
2	Combined photolysis and catalytic ozonation of dimethyl phthalate in a high-gravity rotating packed bed. <i>Journal of Hazardous Materials</i> , 2009, 161, 287-293.	12.4	81
3	Kinetics and equilibrium of desorption removal of copper from magnetic polymer adsorbent. <i>Journal of Hazardous Materials</i> , 2009, 171, 370-377.	12.4	61
4	Pt-catalyzed ozonation of aqueous phenol solution using high-gravity rotating packed bed. <i>Journal of Hazardous Materials</i> , 2009, 168, 649-655.	12.4	50
5	Biodiesel production from Tung oil and blended oil via ultrasonic transesterification process. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2011, 42, 640-644.	5.3	46
6	Production of a solid bio-fuel from waste bamboo chopsticks by torrefaction for cofiring with coal. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 126, 315-322.	5.5	35
7	Conversion of waste bamboo chopsticks to bio-oil via catalytic hydrothermal liquefaction using K ₂ CO ₃ . <i>Sustainable Environment Research</i> , 2016, 26, 262-267.	4.2	25
8	Effects of blending composition of tung oil and ultrasonic irradiation intensity on the biodiesel production. <i>Energy</i> , 2012, 48, 519-524.	8.8	23
9	Enhanced removal of ammonium from the aqueous solution using a high-gravity rotating packed bed loaded with clinoptilolite. <i>Separation and Purification Technology</i> , 2019, 221, 378-384.	7.9	19
10	Parameter evaluation of biodiesel production from unblended and blended Tung oils via ultrasound-assisted process. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2012, 43, 368-373.	5.3	17
11	Production of Torrefied Solid Bio-Fuel from Pulp Industry Waste. <i>Energies</i> , 2017, 10, 910.	3.1	16
12	Upgrading of <i>Jatropha</i> -seed residue after mechanical extraction of oil via torrefaction. <i>Energy</i> , 2018, 142, 773-781.	8.8	14
13	Synthesis of Alcohols and Alkanes from CO and H ₂ over MoS ₂ /Al ₂ O ₃ Catalyst in a Packed Bed with Continuous Flow. <i>Energies</i> , 2012, 5, 4147-4164.	3.1	13
14	Lab-Scale Investigation of Palm Shell Char as Tar Reforming Catalyst. <i>Catalysts</i> , 2020, 10, 476.	3.5	13
15	Application of magnetite modified with aluminum/silica to adsorb phosphate in aqueous solution. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 1449-1456.	3.2	11
16	Autoclaving treatment of wasted disposable bamboo chopsticks. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2013, 44, 1010-1015.	5.3	11
17	A Case Study on the Electricity Generation Using a Micro Gas Turbine Fuelled by Biogas from a Sewage Treatment Plant. <i>Energies</i> , 2019, 12, 2424.	3.1	11
18	Effect of Assisted Ultrasonication and Ozone Pretreatments on Sludge Characteristics and Yield of Biogas Production. <i>Processes</i> , 2019, 7, 743.	2.8	11

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19	The emissions from co-firing of biomass and torrefied biomass with coal in a chain-grate steam boiler. Journal of the Air and Waste Management Association, 2019, 69, 1467-1478.	1.9	11
20	Esterification of Jatropha Oil with Isopropanol via Ultrasonic Irradiation. Energies, 2018, 11, 1456.	3.1	10
21	Esterification of jatropha oil by sequential ultrasonic irradiation with auto-induced temperature rise and dosing of methanol and sulfuric acid catalyst. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 1523-1531.	5.3	8
22	UV-C irradiation enhanced ozonation for the treatment of hazardous insecticide methomyl. Journal of the Taiwan Institute of Chemical Engineers, 2015, 49, 100-104.	5.3	8
23	A Pilot Plant Study on the Autoclaving of Food Wastes for Resource Recovery and Reutilization. Sustainability, 2018, 10, 3566.	3.2	8
24	Treatment of methyl methacrylate from semiconductor wastewater by catalytic wet oxidation. Journal of the Taiwan Institute of Chemical Engineers, 2010, 41, 209-215.	5.3	7
25	Esterification of jatropha oil via ultrasonic irradiation with auto-induced temperature-rise effect. Energy, 2014, 71, 346-354.	8.8	7
26	Adsorption Removal of Environmental Hormones of Dimethyl Phthalate Using Novel Magnetic Adsorbent. Scientific World Journal, The, 2015, 2015, 1-8.	2.1	6
27	Thermal Cracking of Jatropha Oil with Hydrogen to Produce Bio-Fuel Oil. Energies, 2016, 9, 910.	3.1	3
28	The By-products and Emissions from Manufacturing Torrefied Solid Fuel Using Waste Bamboo Chopsticks. Environments - MDPI, 2017, 4, 36.	3.3	3
29	Biogas Production and Microbial Communities in the Anaerobic Digestion of Sewage Sludge Under Hydrothermal Pretreatment with Air and a Catalyst. Bioenergy Research, 2020, 14, 828.	3.9	3
30	Treatment of alkaline wastewater from cleaning of color filter glass. Journal of the Taiwan Institute of Chemical Engineers, 2009, 40, 663-668.	5.3	2
31	Decomposition and Mineralization of Dimethyl Phthalate in an Aqueous Solution by Wet Oxidation. Scientific World Journal, The, 2015, 2015, 1-8.	2.1	2
32	A Technical Analysis of Solid Recovered Fuel from Torrefied Jatropha Seed Residue via a Two-Stage Mechanical Screw Press and Solvent Extraction Process. Energies, 2021, 14, 7876.	3.1	1