

Ekkachai Kanchanatip

List of Publications by Year in descending order

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papers

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times ranked

592
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study on the energy conversion of food waste via supercritical water gasification: Improvement of hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 4664-4673.	7.1	69
2	Assessment of sewage sludge gasification in supercritical water for H ₂ -rich syngas production. <i>Chemical Engineering Research and Design</i> , 2019, 131, 63-72.	5.6	63
3	Thermodynamic study on the integrated supercritical water gasification with reforming process for hydrogen production: Effects of operating parameters. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 17620-17632.	7.1	58
4	Catalytic gasification of food waste in supercritical water over La promoted Ni/Al ₂ O ₃ catalysts for enhancing H ₂ production. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 553-564.	7.1	53
5	Production of H ₂ -rich syngas from gasification of unsorted food waste in supercritical water. <i>Waste Management</i> , 2020, 102, 520-527.	7.4	48
6	Fouling characterization and control for harvesting microalgae <i>Arthrospira (Spirulina) maxima</i> using a submerged, disc-type ultrafiltration membrane. <i>Bioresource Technology</i> , 2016, 209, 23-30.	9.6	37
7	Supercritical water gasification of sewage sludge and combined cycle for H ₂ and power production – A thermodynamic study. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 24459-24470.	7.1	35
8	Numerical investigation of MSW combustion influenced by air preheating in a full-scale moving grate incinerator. <i>Fuel</i> , 2021, 285, 119193.	6.4	35
9	Gasification of effluent from food waste treatment process in sub- and supercritical water: H ₂ -rich syngas production and pollutants management. <i>Science of the Total Environment</i> , 2020, 730, 138517.	8.0	33
10	Evaluation of catalytic subcritical water gasification of food waste for hydrogen production: Effect of process conditions and different types of catalyst loading. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 21451-21463.	7.1	30
11	Hydrogen-rich syngas production by catalytic cracking of tar in wastewater under supercritical condition. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 19908-19919.	7.1	25
12	Valorization of sewage sludge through catalytic sub- and supercritical water gasification. <i>Journal of the Energy Institute</i> , 2020, 93, 1419-1427.	5.3	25
13	Sulfur conversion and distribution during supercritical water gasification of sewage sludge. <i>Journal of the Energy Institute</i> , 2021, 95, 61-68.	5.3	23
14	Hydrolysis of carbonyl sulfide over modified Al ₂ O ₃ by platinum and barium in a packed-bed reactor. <i>Chemical Engineering Communications</i> , 2021, 208, 539-548.	2.6	21
15	Co-gasification of sewage sludge and lignite coal in supercritical water for H ₂ production: a thermodynamic modelling approach. <i>Energy Procedia</i> , 2018, 152, 1284-1289.	1.8	20
16	Biochar and pyrolytic gas properties from pyrolysis of simulated municipal solid waste (SMSW) under pyrolytic gas atmosphere. <i>Waste Disposal & Sustainable Energy</i> , 2020, 2, 37-46.	2.5	20
17	Improving supercritical water gasification of sludge by oil palm empty fruit bunch addition: Promotion of syngas production and heavy metal stabilization. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 293-298.	3.5	17
18	Degradation of paraquat under visible light over fullerene modified V-TiO ₂ . <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2011, 103, 227-237.	1.7	15

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19	Solid fuel production from macadamia nut shell: effect of hydrothermal carbonization conditions on fuel characteristics. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 2225-2232.	4.6	14
20	Light biofuel production from waste cooking oil via pyrolytic catalysis cracking over modified Thai dolomite catalysts. <i>Carbon Resources Conversion</i> , 2022, 5, 177-184.	5.9	13
21	Influence of chlorine substitution on adsorption of gaseous chlorinated phenolics on multi-walled carbon nanotubes embedded in SiO ₂ . <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 1465-1474.	3.5	12
22	Influence of multi-temperature primary air on the characteristics of MSW combustion in a moving grate incinerator. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106690.	6.7	10
23	Photocatalytic Bactericidal Efficiency of Ag Doped TiO ₂ /Fe ₃ O ₄ on Fish Pathogens under Visible Light. <i>International Journal of Photoenergy</i> , 2014, 2014, 1-8.	2.5	7
24	Experimental investigation on gasification of food waste in supercritical water: Effects of NaCl on syngas production and corrosion of reactor. <i>Environmental Technology and Innovation</i> , 2021, 23, 101538.	6.1	7
25	Sensing and adsorption study of gaseous phase chlorophenols on functionalized carbon nanotube membrane. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, S315.	2.3	5
26	Municipal solid waste pyrolysis under circulated pyrolytic gas atmosphere. <i>Journal of Material Cycles and Waste Management</i> , 2021, 23, 1141-1151.	3.0	4
27	Influence of Potassic Additives on Sludge Gasification Under Model Flue Gas Atmosphere. <i>Waste and Biomass Valorization</i> , 2020, 11, 3629-3637.	3.4	2
28	CO ₂ adsorption on Cu-BTC to improve the quality of syngas produced from supercritical water gasification. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 14049-14058.	4.6	2
29	Investigation of Sludge Gasification under Flue Gas. <i>Energy Procedia</i> , 2018, 152, 1278-1283.	1.8	0