

Yan Lin

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,720
citations

304602

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docs citations

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times ranked

1350
citing authors

#	ARTICLE	IF	CITATIONS
1	A study on co-pyrolysis of bagasse and sewage sludge using TG-FTIR and Py-GC/MS. <i>Energy Conversion and Management</i> , 2017, 151, 190-198.	4.4	171
2	Co-pyrolysis kinetics of sewage sludge and oil shale thermal decomposition using TGA-FTIR analysis. <i>Energy Conversion and Management</i> , 2016, 118, 345-352.	4.4	128
3	Combustion, pyrolysis and char CO ₂ -gasification characteristics of hydrothermal carbonization solid fuel from municipal solid wastes. <i>Fuel</i> , 2016, 181, 905-915.	3.4	127
4	Analysis of catalytic pyrolysis of municipal solid waste and paper sludge using TG-FTIR, Py-GC/MS and DAEM (distributed activation energy model). <i>Energy</i> , 2018, 143, 517-532.	4.5	114
5	Review of Biomass Chemical Looping Gasification in China. <i>Energy & Fuels</i> , 2020, 34, 7847-7862.	2.5	91
6	Effects of additives on the co-pyrolysis of municipal solid waste and paper sludge by using thermogravimetric analysis. <i>Bioresource Technology</i> , 2016, 209, 265-272.	4.8	83
7	Co-pyrolysis kinetics of sewage sludge and bagasse using multiple normal distributed activation energy model (M-DAEM). <i>Bioresource Technology</i> , 2018, 259, 173-180.	4.8	78
8	Co-pyrolysis characters between combustible solid waste and paper mill sludge by TG-FTIR and Py-GC/MS. <i>Energy Conversion and Management</i> , 2017, 144, 114-122.	4.4	76
9	Chemical looping gasification coupled with steam reforming of biomass using NiFe ₂ O ₄ : Kinetic analysis of DAEM-TI, thermodynamic simulation of OC redox, and a loop test. <i>Chemical Engineering Journal</i> , 2020, 395, 125046.	6.6	63
10	Exploring the migration and transformation of lattice oxygen during chemical looping with NiFe ₂ O ₄ oxygen carrier. <i>Chemical Engineering Journal</i> , 2022, 429, 132064.	6.6	63
11	The investigation of co-combustion of sewage sludge and oil shale using thermogravimetric analysis. <i>Thermochimica Acta</i> , 2017, 653, 71-78.	1.2	60
12	A study on experimental characteristic of co-pyrolysis of municipal solid waste and paper mill sludge with additives. <i>Applied Thermal Engineering</i> , 2017, 111, 292-300.	3.0	59
13	A study on microwave-assisted fast co-pyrolysis of chlorella and tire in the N ₂ and CO ₂ atmospheres. <i>Bioresource Technology</i> , 2018, 250, 821-827.	4.8	57
14	Investigation on the co-combustion of oil shale and municipal solid waste by using thermogravimetric analysis. <i>Energy Conversion and Management</i> , 2016, 117, 367-374.	4.4	52
15	Catalytic characteristics of the fast pyrolysis of microalgae over oil shale: Analytical Py-GC/MS study. <i>Renewable Energy</i> , 2018, 125, 465-471.	4.3	51
16	Thermogravimetric analysis of the co-combustion of eucalyptus residues and paper mill sludge. <i>Applied Thermal Engineering</i> , 2016, 106, 938-943.	3.0	49
17	General distributed activation energy model (G-DAEM) on co-pyrolysis kinetics of bagasse and sewage sludge. <i>Bioresource Technology</i> , 2019, 273, 545-555.	4.8	47
18	Ultrasonic pretreatment effects on the co-pyrolysis of municipal solid waste and paper sludge through orthogonal test. <i>Bioresource Technology</i> , 2018, 258, 5-11.	4.8	40

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19	Impact of ball-milling and ionic liquid pretreatments on pyrolysis kinetics and behaviors of crystalline cellulose. <i>Bioresource Technology</i> , 2020, 305, 123044.	4.8	31
20	Novel crude glycerol pretreatment for selective saccharification of sugarcane bagasse via fast pyrolysis. <i>Bioresource Technology</i> , 2019, 294, 122094.	4.8	28
21	Study on catalytic pyrolysis of eucalyptus to produce aromatic hydrocarbons by Zn-Fe co-modified HZSM-5 catalysts. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 139, 96-103.	2.6	24
22	Reaction performance of Ce-enhanced hematite oxygen carrier in chemical looping reforming of biomass pyrolyzed gas coupled with CO ₂ splitting. <i>Energy</i> , 2021, 215, 119044.	4.5	24
23	Investigation of co-pyrolysis characteristics and kinetics of municipal solid waste and paper sludge through TG-FTIR and DAEM. <i>Thermochimica Acta</i> , 2021, 700, 178889.	1.2	23
24	Investigation of the nitrogen migration characteristics in sewage sludge during chemical looping gasification. <i>Energy</i> , 2021, 216, 119247.	4.5	22
25	Nitrogen migration in sewage sludge chemical looping gasification using copper slag modified by NiO as an oxygen carrier. <i>Energy</i> , 2021, 228, 120448.	4.5	21
26	Study on thermal decomposition kinetics model of sewage sludge and wheat based on multi distributed activation energy. <i>Energy</i> , 2019, 185, 795-803.	4.5	19
27	Chemical looping gasification of high nitrogen wood waste using a copper slag oxygen carrier modified by alkali and alkaline earth metals. <i>Chemical Engineering Journal</i> , 2021, 410, 128344.	6.6	17
28	Influence of ultrasonic pretreatment on the co-pyrolysis characteristics and kinetic parameters of municipal solid waste and paper mill sludge. <i>Energy</i> , 2020, 190, 116310.	4.5	16
29	Evolution of structure and oxidation reactivity from early-stage soot to mature soot sampled from a laminar coflow diffusion flame of ethylene. <i>Combustion and Flame</i> , 2021, 228, 202-209.	2.8	14
30	An evaluation of the reactivity of synthetic Fe-Ni oxygen carriers: CO oxidation, H ₂ O reforming, and toluene cracking. <i>Energy Conversion and Management</i> , 2021, 240, 114263.	4.4	13
31	A study on the chemical looping combustion of sewage sludge: The emission of NO _x and its precursors. <i>Fuel Processing Technology</i> , 2022, 231, 107260.	3.7	13
32	Dechlorination performance in chemical looping conversion of polyvinyl chloride plastic waste using K/Na/Ca-modified iron ore oxygen carriers. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107314.	3.3	9
33	Syngas production from lignite via chemical looping gasification with hematite oxygen carrier enhanced by exogenous metals. <i>Fuel</i> , 2022, 321, 124119.	3.4	8
34	Chemical looping combustion of lignite using iron ore: C-gas products (CO ₂ , CO, CH ₄) and NO _x emissions. <i>Energy</i> , 2022, 256, 124602.	4.5	8
35	Dechlorination Performance of Chemical Looping Conversion Using Red Mud as an Oxygen Carrier. <i>Energy & Fuels</i> , 2022, 36, 9616-9627.	2.5	6
36	Chemical looping combustion of lignite using iron ore modified by foreign ions: Alkaline-earth and transition metal ions. <i>Fuel</i> , 2022, 327, 125079.	3.4	6

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37	Nitrogen trade-off during lignite chemical looping combustion using hematite as an oxygen carrier. Fuel Processing Technology, 2022, 232, 107286.	3.7	5
38	Emissions of nitrogenous pollutants in chemical looping gasification of high nitrogen wood waste using a K-modified copper slag oxygen carrier. Journal of Thermal Analysis and Calorimetry, 2022, 147, 9725-9735.	2.0	3
39	Non-Mechanism Model for Superheater Pollution Diagnosis of Waste Incinerator Based on BP Neural Network. IOP Conference Series: Materials Science and Engineering, 2019, 612, 052015.	0.3	1