

# Zhaosheng Yu

## List of Publications by Year in descending order

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63  
papers

3,222  
citations

94381

37  
h-index

155592

55  
g-index

63  
all docs

63  
docs citations

63  
times ranked

2448  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative study on the synergistic co-pyrolysis of <i>Thlaspi arvense</i> L. seed with different plastics: thermal behaviors, product distributions, and kinetics analysis. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 6197-6211.	2.9	5
2	Effects of atmosphere and blending ratios on emission characteristics of pollutants from co-combustion of municipal solid waste and aged refuse. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2022, 17, .	0.8	3
3	Preparation of high-value porous carbon by microwave treatment of chili straw pyrolysis residue. <i>Bioresource Technology</i> , 2022, 360, 127520.	4.8	18
4	Catalytic co-pyrolysis of microwave pretreated chili straw and polypropylene to produce hydrocarbons-rich bio-oil. <i>Bioresource Technology</i> , 2021, 319, 124191.	4.8	47
5	Fast Catalytic Co-pyrolysis Characteristics and Kinetics of <i>Chlorella Vulgaris</i> and Municipal Solid Waste over Hierarchical ZSM-5 Zeolite. <i>Bioenergy Research</i> , 2021, 14, 226-240.	2.2	10
6	Co-combustion behavior of municipal solid waste and food waste anaerobic digestates: Combustion performance, kinetics, optimization, and gaseous products. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106028.	3.3	34
7	A study on the deoxidation effect of different acidic zeolites during the co-pyrolysis of aged municipal solid waste and corn stalk. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 159, 105319.	2.6	8
8	Effects of baking soda on Co-hydrothermal carbonization of sewage sludge and <i>Chlorella vulgaris</i> : Improved the environmental friendliness of hydrochar incineration process. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106404.	3.3	13
9	HCl emission and capture characteristics during PVC and food waste combustion in CO <sub>2</sub> /O <sub>2</sub> atmosphere. <i>Journal of the Energy Institute</i> , 2020, 93, 1036-1044.	2.7	16
10	Effects of hydrothermal carbonization on catalytic fast pyrolysis of tobacco stems. <i>Biomass Conversion and Biorefinery</i> , 2020, 10, 1221-1236.	2.9	14
11	Catalytic co-pyrolysis behaviors and kinetics of camellia shell and take-out solid waste using pyrolyzer " gas chromatography/mass spectrometry and thermogravimetric analyzer. <i>Bioresource Technology</i> , 2020, 297, 122419.	4.8	23
12	Catalytic co-pyrolysis behaviors, product characteristics and kinetics of rural solid waste and <i>chlorella vulgaris</i> . <i>Bioresource Technology</i> , 2020, 299, 122636.	4.8	52
13	Comparison of catalytic effect on upgrading bio-oil derived from co-pyrolysis of water hyacinth and scrap tire over multilamellar MFI nanosheets and HZSM-5. <i>Bioresource Technology</i> , 2020, 312, 123592.	4.8	21
14	Effects of microwave pretreatment on catalytic fast pyrolysis of pine sawdust. <i>Bioresource Technology</i> , 2019, 293, 122080.	4.8	27
15	A study on catalytic co-pyrolysis of kitchen waste with tire waste over ZSM-5 using TG-FTIR and Py-GC/MS. <i>Bioresource Technology</i> , 2019, 289, 121585.	4.8	76
16	Microwave pretreatment power and duration time effects on the catalytic pyrolysis behaviors and kinetics of water hyacinth. <i>Bioresource Technology</i> , 2019, 286, 121369.	4.8	34
17	Behaviors, product characteristics and kinetics of catalytic co-pyrolysis spirulina and oil shale. <i>Energy Conversion and Management</i> , 2019, 192, 1-10.	4.4	67
18	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

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19	Microwave-assisted co-pyrolysis of <i>Chlorella vulgaris</i> and wood sawdust using different additives. <i>Bioresource Technology</i> , 2019, 273, 34-39.	4.8	68
20	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
21	Microwave-assisted fast co-pyrolysis behaviors and products between microalgae and polyvinyl chloride. <i>Applied Thermal Engineering</i> , 2018, 136, 9-15.	3.0	55
22	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
23	Co-combustion of paper sludge in a 750 t/d waste incinerator and effect of sludge moisture content: A simulation study. <i>Fuel</i> , 2018, 217, 617-625.	3.4	45
24	Studies on thermal decomposition behaviors of demineralized low-lipid microalgae by TG-FTIR. <i>Thermochimica Acta</i> , 2018, 660, 101-109.	1.2	41
25	A study on microwave-assisted fast co-pyrolysis of <i>Chlorella</i> and tire in the N <sub>2</sub> and CO <sub>2</sub> atmospheres. <i>Bioresource Technology</i> , 2018, 250, 821-827.	4.8	57
26	Co-pyrolysis kinetics and behaviors of kitchen waste and <i>Chlorella vulgaris</i> using thermogravimetric analyzer and fixed bed reactor. <i>Energy Conversion and Management</i> , 2018, 165, 45-52.	4.4	47
27	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
28	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
29	Adaptive Neural Output Feedback Control for Nonstrict-Feedback Stochastic Nonlinear Systems With Unknown Backlash-Like Hysteresis and Unknown Control Directions. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 1147-1160.	7.2	83
30	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
31	Co-pyrolysis of <i>Chlorella vulgaris</i> and kitchen waste with different additives using TG-FTIR and Py-GC/MS. <i>Energy Conversion and Management</i> , 2018, 177, 582-591.	4.4	99
32	Forecasting the byproducts generated by hydrothermal carbonisation of municipal solid wastes. <i>Waste Management and Research</i> , 2017, 35, 92-100.	2.2	15
33	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
34	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
35	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
36	Hydrothermal carbonization of typical components of municipal solid waste for deriving hydrochars and their combustion behavior. <i>Bioresource Technology</i> , 2017, 243, 539-547.	4.8	72

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37	Comparative analysis of gas and coal-fired power generation in ultra-low emission condition using life cycle assessment (LCA). IOP Conference Series: Materials Science and Engineering, 2017, 199, 012054.	0.3	4
38	A study on experimental characteristic of co-pyrolysis of municipal solid waste and paper mill sludge with additives. Applied Thermal Engineering, 2017, 111, 292-300.	3.0	59
39	Decomposition Characteristics and Kinetics of Microalgae in N <sub>2</sub> and CO <sub>2</sub> Atmospheres by a Thermogravimetry. Journal of Combustion, 2017, 2017, 1-7.	0.5	4
40	Energy Analysis and Environmental Impacts of Hybrid Giant Napier (Pennisetum Hybridum) Direct-fired Power Generation in South China. IOP Conference Series: Materials Science and Engineering, 2017, 199, 012094.	0.3	2
41	Investigation on the co-combustion of oil shale and municipal solid waste by using thermogravimetric analysis. Energy Conversion and Management, 2016, 117, 367-374.	4.4	52
42	Combustion, pyrolysis and char CO <sub>2</sub> -gasification characteristics of hydrothermal carbonization solid fuel from municipal solid wastes. Fuel, 2016, 181, 905-915.	3.4	127
43	Co-pyrolysis kinetics of sewage sludge and oil shale thermal decomposition using TGA-FTIR analysis. Energy Conversion and Management, 2016, 118, 345-352.	4.4	128
44	A Mechanism Study on Hydrothermal Carbonization of Waste Textile. Energy & Fuels, 2016, 30, 7746-7754.	2.5	55
45	Thermogravimetric analysis of the co-combustion of eucalyptus residues and paper mill sludge. Applied Thermal Engineering, 2016, 106, 938-943.	3.0	49
46	Pollutant emission characteristics and interaction during low-temperature oxidation of blended coal. Journal of the Energy Institute, 2016, 89, 40-47.	2.7	18
47	Effects of additives on the co-pyrolysis of municipal solid waste and paper sludge by using thermogravimetric analysis. Bioresource Technology, 2016, 209, 265-272.	4.8	83
48	Adaptive neural control for a class of pure-feedback nonlinear time-delay systems with asymmetric saturation actuators. Neurocomputing, 2016, 173, 1461-1470.	3.5	30
49	Investigation of Rice Straw Combustion by Using Thermogravimetric Analysis. Energy Procedia, 2015, 75, 144-149.	1.8	11
50	Thermogravimetric analysis of the co-pyrolysis of paper sludge and municipal solid waste. Energy Conversion and Management, 2015, 101, 626-631.	4.4	113
51	Study on thermochemical kinetic characteristics and interaction during low temperature oxidation of blended coals. Journal of the Energy Institute, 2015, 88, 221-228.	2.7	49
52	Thermogravimetric analysis of the co-combustion of paper mill sludge and municipal solid waste. Energy Conversion and Management, 2015, 99, 112-118.	4.4	109
53	Effect of hydrothermal carbonization temperature on combustion behavior of hydrochar fuel from paper sludge. Applied Thermal Engineering, 2015, 91, 574-582.	3.0	173
54	TGA-FTIR analysis of co-combustion characteristics of paper sludge and oil-palm solid wastes. Energy Conversion and Management, 2015, 89, 727-734.	4.4	115

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55	Co-combustion of coal with printing and dyeing sludge: Numerical simulation of the process and related NO X emissions. <i>Fuel</i> , 2015, 139, 606-613.	3.4	51
56	A kinetic study on the effects of alkaline earth and alkali metal compounds for catalytic pyrolysis of microalgae using thermogravimetry. <i>Applied Thermal Engineering</i> , 2014, 73, 357-361.	3.0	46
57	Investigation on thermochemical behavior of co-pyrolysis between oil-palm solid wastes and paper sludge. <i>Bioresource Technology</i> , 2014, 166, 444-450.	4.8	87
58	Mathematical modeling of combustion in a grate-fired boiler burning straw and effect of operating conditions under air- and oxygen-enriched atmospheres. <i>Renewable Energy</i> , 2010, 35, 895-903.	4.3	60
59	Experimental and kinetic modeling of oxygen-enriched air combustion of municipal solid waste. <i>Waste Management</i> , 2009, 29, 792-796.	3.7	55
60	An experimental heat transfer study for helically flowing outside petal-shaped finned tubes with different geometrical parameters. <i>Applied Thermal Engineering</i> , 2007, 27, 268-272.	3.0	31
61	Co-combustion of aged refuse and municipal solid waste under increased N <sub>2</sub> /O <sub>2</sub> atmospheres: kinetics analysis, thermodynamic characteristics. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-13.	1.2	0
62	Modifying pyrolysis behavior and products distribution of sewage sludge and water hyacinth by microwave pretreatment and subsequent calcium oxide catalytic co-pyrolysis. <i>Biomass Conversion and Biorefinery</i> , 0, , .	2.9	0
63	A comparative study on pyrolysis behaviors, product distribution, and kinetics of waste cotton stalk under different organic acidic solutions pretreatment. <i>Biomass Conversion and Biorefinery</i> , 0, , .	2.9	0