

# Qing Yang

## List of Publications by Citations

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**Version:** 2024-04-25

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35  
papers

1,148  
citations

19  
h-index

33  
g-index

36  
ext. papers

1,528  
ext. citations

8.9  
avg, IF

4.61  
L-index

#	Paper	IF	Citations
35	Study on pyrolysis behaviors of non-woody lignins with TG-FTIR and Py-GC/MS. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2015</b> , 113, 499-507	6	147
34	Renewable bio-jet fuel production for aviation: A review. <i>Fuel</i> , <b>2019</b> , 254, 115599	7.1	114
33	Torrefaction of agriculture straws and its application on biomass pyrolysis poly-generation. <i>Bioresource Technology</i> , <b>2014</b> , 156, 70-7	11	111
32	Evolution of functional groups and pore structure during cotton and corn stalks torrefaction and its correlation with hydrophobicity. <i>Fuel</i> , <b>2014</b> , 137, 41-49	7.1	91
31	Influence of physicochemical properties of metal modified ZSM-5 catalyst on benzene, toluene and xylene production from biomass catalytic pyrolysis. <i>Bioresource Technology</i> , <b>2019</b> , 278, 248-254	11	71
30	Torrefaction of cedarwood in a pilot scale rotary kiln and the influence of industrial flue gas. <i>Bioresource Technology</i> , <b>2015</b> , 177, 355-60	11	60
29	Application of biomass pyrolytic polygeneration technology using retort reactors. <i>Bioresource Technology</i> , <b>2016</b> , 200, 64-71	11	53
28	Torrefaction of different parts from a corn stalk and its effect on the characterization of products. <i>Industrial Crops and Products</i> , <b>2016</b> , 92, 26-33	5.9	43
27	Hybrid life-cycle assessment for energy consumption and greenhouse gas emissions of a typical biomass gasification power plant in China. <i>Journal of Cleaner Production</i> , <b>2018</b> , 205, 661-671	10.3	43
26	Greenhouse gas emissions of a biomass-based pyrolysis plant in China. <i>Renewable and Sustainable Energy Reviews</i> , <b>2016</b> , 53, 1580-1590	16.2	41
25	Preparation of mesoporous ZSM-5 catalysts using green templates and their performance in biomass catalytic pyrolysis. <i>Bioresource Technology</i> , <b>2019</b> , 289, 121729	11	38
24	Gasification of coal and biomass as a net carbon-negative power source for environment-friendly electricity generation in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 8206-8213	11.5	36
23	Prospective contributions of biomass pyrolysis to China's 2050 carbon reduction and renewable energy goals. <i>Nature Communications</i> , <b>2021</b> , 12, 1698	17.4	36
22	A GIS-based high spatial resolution assessment of large-scale PV generation potential in China. <i>Applied Energy</i> , <b>2019</b> , 247, 254-269	10.7	29
21	Environmental dispersivity in free-water-surface-effect dominated wetland: multi-scale analysis. <i>Frontiers of Environmental Science and Engineering in China</i> , <b>2011</b> , 5, 597-603		26
20	Influence of torrefaction with Mg-based additives on the pyrolysis of cotton stalk. <i>Bioresource Technology</i> , <b>2018</b> , 261, 62-69	11	25
19	Catalytic Upgrading of Fast Pyrolysis Products with Fe-, Zr-, and Co-Modified Zeolites Based on Pyrolyzer GC/MS Analysis. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 3979-3986	4.1	23

18	Water use of a biomass direct-combustion power generation system in China: A combination of life cycle assessment and water footprint analysis. <i>Renewable and Sustainable Energy Reviews</i> , <b>2019</b> , 115, 109396	16.2	22
17	Preparation of furfural by catalytic pyrolysis of cellulose based on nano Na/Fe-solid acid. <i>Fuel</i> , <b>2019</b> , 258, 116089	7.1	22
16	Embodied greenhouse gas emissions from building China's large-scale power transmission infrastructure. <i>Nature Sustainability</i> , <b>2021</b> , 4, 739-747	22.1	19
15	The determinants of China's national and regional energy-related mercury emission changes. <i>Journal of Environmental Management</i> , <b>2019</b> , 246, 505-513	7.9	16
14	Effect of Torrefaction on Properties of Pellets Produced from Woody Biomass. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 15343-15354	4.1	14
13	Life cycle water use of a biomass-based pyrolysis polygeneration system in China. <i>Applied Energy</i> , <b>2018</b> , 224, 469-480	10.7	14
12	Effects of Temperature and Mg-Based Additives on Properties of Cotton Stalk Torrefaction Products. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 9640-9649	4.1	10
11	Impact of cellulose deoxidization temperature on the composition of liquid products obtained by subsequent pyrolysis. <i>Fuel Processing Technology</i> , <b>2019</b> , 184, 73-79	7.2	9
10	Disparities in socio-economic drivers behind China's provincial energy-related mercury emission changes. <i>Journal of Environmental Management</i> , <b>2019</b> , 251, 109613	7.9	7
9	Nonrenewable energy cost and greenhouse gas emissions of a "pig-biogas-fish" system in China. <i>Scientific World Journal, The</i> , <b>2012</b> , 2012, 862021	2.2	7
8	Changing carbon content of Chinese coal and implications for emissions of CO <sub>2</sub> . <i>Journal of Cleaner Production</i> , <b>2018</b> , 194, 150-157	10.3	6
7	Inventory of CO <sub>2</sub> emissions driven by energy consumption in Hubei Province: a time-series energy input-output analysis. <i>Frontiers of Earth Science</i> , <b>2016</b> , 10, 717-730	1.7	5
6	Low temperature deoxidization of biomass and its release characteristics of gas products. <i>Industrial Crops and Products</i> , <b>2018</b> , 123, 142-153	5.9	5
5	Effects of acid and metal salt additives on product characteristics of biomass microwave pyrolysis. <i>Journal of Renewable and Sustainable Energy</i> , <b>2016</b> , 8, 063103	2.5	5
4	Ready-to-implement low-carbon retrofit of coal-fired power plants in China: Optimal scenarios selection based on sludge and photovoltaic utilization. <i>Environmental Science and Ecotechnology</i> , <b>2022</b> , 9, 100147	7.4	0
3	Unveiling land footprint of solar power: A pilot solar tower project in China. <i>Journal of Environmental Management</i> , <b>2021</b> , 280, 111741	7.9	0
2	Tracing energy-water-greenhouse gas nexus in national supply chains: China 2017. <i>Journal of Cleaner Production</i> , <b>2022</b> , 352, 131586	10.3	
1	Life cycle assessment of biojet fuels <b>2022</b> , 215-236		

