

Qing Yang

List of Publications by Year in descending order

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35
papers

1,899
citations

304368

22
h-index

377514

34
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36
all docs

36
docs citations

36
times ranked

2084
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Renewable bio-jet fuel production for aviation: A review. <i>Fuel</i> , 2019, 254, 115599. | 3.4 | 209 |
| 2 | Study on pyrolysis behaviors of non-woody lignins with TG-FTIR and Py-GC/MS. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 113, 499-507. | 2.6 | 193 |
| 3 | Prospective contributions of biomass pyrolysis to China's 2050 carbon reduction and renewable energy goals. <i>Nature Communications</i> , 2021, 12, 1698. | 5.8 | 146 |
| 4 | Influence of physicochemical properties of metal modified ZSM-5 catalyst on benzene, toluene and xylene production from biomass catalytic pyrolysis. <i>Bioresource Technology</i> , 2019, 278, 248-254. | 4.8 | 127 |
| 5 | Torrefaction of agriculture straws and its application on biomass pyrolysis poly-generation. <i>Bioresource Technology</i> , 2014, 156, 70-77. | 4.8 | 124 |
| 6 | Evolution of functional groups and pore structure during cotton and corn stalks torrefaction and its correlation with hydrophobicity. <i>Fuel</i> , 2014, 137, 41-49. | 3.4 | 118 |
| 7 | Embodied greenhouse gas emissions from building China's large-scale power transmission infrastructure. <i>Nature Sustainability</i> , 2021, 4, 739-747. | 11.5 | 84 |
| 8 | Torrefaction of cedarwood in a pilot scale rotary kiln and the influence of industrial flue gas. <i>Bioresource Technology</i> , 2015, 177, 355-360. | 4.8 | 80 |
| 9 | A GIS-based high spatial resolution assessment of large-scale PV generation potential in China. <i>Applied Energy</i> , 2019, 247, 254-269. | 5.1 | 79 |
| 10 | 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> , 2019, 116, 8206-8213. | 3.3 | 78 |
| 11 | Application of biomass pyrolytic polygeneration technology using retort reactors. <i>Bioresource Technology</i> , 2016, 200, 64-71. | 4.8 | 69 |
| 12 | 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> , 2018, 205, 661-671. | 4.6 | 67 |
| 13 | Preparation of mesoporous ZSM-5 catalysts using green templates and their performance in biomass catalytic pyrolysis. <i>Bioresource Technology</i> , 2019, 289, 121729. | 4.8 | 61 |
| 14 | Greenhouse gas emissions of a biomass-based pyrolysis plant in China. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 53, 1580-1590. | 8.2 | 59 |
| 15 | Torrefaction of different parts from a corn stalk and its effect on the characterization of products. <i>Industrial Crops and Products</i> , 2016, 92, 26-33. | 2.5 | 54 |
| 16 | Effect of Torrefaction on Properties of Pellets Produced from Woody Biomass. <i>Energy & Fuels</i> , 2020, 34, 15343-15354. | 2.5 | 40 |
| 17 | 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> , 2019, 115, 109396. | 8.2 | 39 |
| 18 | Preparation of furfural by catalytic pyrolysis of cellulose based on nano Na/Fe-solid acid. <i>Fuel</i> , 2019, 258, 116089. | 3.4 | 39 |

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|----|---|-----|-----------|
| 19 | Influence of torrefaction with Mg-based additives on the pyrolysis of cotton stalk. <i>Bioresource Technology</i> , 2018, 261, 62-69. | 4.8 | 31 |
| 20 | Catalytic Upgrading of Fast Pyrolysis Products with Fe-, Zr-, and Co-Modified Zeolites Based on Pyrolyzerâ€™s GC/MS Analysis. <i>Energy & Fuels</i> , 2017, 31, 3979-3986. | 2.5 | 30 |
| 21 | The determinants of China's national and regional energy-related mercury emission changes. <i>Journal of Environmental Management</i> , 2019, 246, 505-513. | 3.8 | 28 |
| 22 | Environmental dispersivity in free-water-surface-effect dominated wetland: multi-scale analysis. <i>Frontiers of Environmental Science and Engineering in China</i> , 2011, 5, 597-603. | 0.8 | 27 |
| 23 | Impact of cellulose deoxidization temperature on the composition of liquid products obtained by subsequent pyrolysis. <i>Fuel Processing Technology</i> , 2019, 184, 73-79. | 3.7 | 17 |
| 24 | Life cycle water use of a biomass-based pyrolysis polygeneration system in China. <i>Applied Energy</i> , 2018, 224, 469-480. | 5.1 | 16 |
| 25 | Disparities in socio-economic drivers behind China's provincial energy-related mercury emission changes. <i>Journal of Environmental Management</i> , 2019, 251, 109613. | 3.8 | 15 |
| 26 | Effects of Temperature and Mg-Based Additives on Properties of Cotton Stalk Torrefaction Products. <i>Energy & Fuels</i> , 2018, 32, 9640-9649. | 2.5 | 12 |
| 27 | Changing carbon content of Chinese coal and implications for emissions of CO2. <i>Journal of Cleaner Production</i> , 2018, 194, 150-157. | 4.6 | 11 |
| 28 | Low temperature deoxidization of biomass and its release characteristics of gas products. <i>Industrial Crops and Products</i> , 2018, 123, 142-153. | 2.5 | 9 |
| 29 | Nonrenewable Energy Cost and Greenhouse Gas Emissions of a â€™Pig-Biogas-Fishâ€™ System in China. <i>Scientific World Journal</i> , The, 2012, 2012, 1-7. | 0.8 | 8 |
| 30 | Unveiling land footprint of solar power: A pilot solar tower project in China. <i>Journal of Environmental Management</i> , 2021, 280, 111741. | 3.8 | 8 |
| 31 | 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> , 2022, 9, 100147. | 6.7 | 8 |
| 32 | Effects of acid and metal salt additives on product characteristics of biomass microwave pyrolysis. <i>Journal of Renewable and Sustainable Energy</i> , 2016, 8, . | 0.8 | 5 |
| 33 | Inventory of CO2 emissions driven by energy consumption in Hubei Province: a time-series energy input-output analysis. <i>Frontiers of Earth Science</i> , 2016, 10, 717-730. | 0.9 | 5 |
| 34 | Tracing energy-water-greenhouse gas nexus in national supply chains: China 2017. <i>Journal of Cleaner Production</i> , 2022, 352, 131586. | 4.6 | 3 |
| 35 | Life cycle assessment of biojet fuels. , 2022, , 215-236. | | 0 |