

# Qing He

## List of Publications by Year in descending order

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17  
papers

689  
citations

623734

14  
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888059

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docs citations

17  
times ranked

575  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of torrefaction on pinewood pyrolysis kinetics and thermal behavior using thermogravimetric analysis. <i>Bioresource Technology</i> , 2019, 280, 104-111.	9.6	155
2	Soot formation during biomass gasification: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 139, 110710.	16.4	98
3	CO <sub>2</sub> gasification of char from raw and torrefied biomass: Reactivity, kinetics and mechanism analysis. <i>Bioresource Technology</i> , 2019, 293, 122087.	9.6	67
4	Utilization of biomass ash for upgrading petroleum coke gasification: Effect of soluble and insoluble components. <i>Energy</i> , 2020, 192, 116642.	8.8	65
5	Co-gasification of bituminous coal and hydrochar derived from municipal solid waste: Reactivity and synergy. <i>Bioresource Technology</i> , 2017, 239, 482-489.	9.6	52
6	Kinetics comparison and insight into structure-performance correlation for leached biochar gasification. <i>Chemical Engineering Journal</i> , 2021, 417, 129331.	12.7	44
7	Co-pyrolysis Behavior and Char Structure Evolution of Raw/Torrefied Rice Straw and Coal Blends. <i>Energy &amp; Fuels</i> , 2018, 32, 12469-12476.	5.1	32
8	Evaluating performance of pyrolysis and gasification processes of agriculture residues-derived hydrochar: Effect of hydrothermal carbonization. <i>Journal of Cleaner Production</i> , 2022, 338, 130578.	9.3	28
9	Insight into structural evolution and detailed non-isothermal kinetic analysis for coal pyrolysis. <i>Energy</i> , 2022, 244, 123101.	8.8	27
10	Hydrothermal carbonization of rape straw: Effect of reaction parameters on hydrochar and migration of AAEMs. <i>Chemosphere</i> , 2022, 291, 132785.	8.2	26
11	Effect of Partial Rapid Pyrolysis on Bituminous Properties: From Structure to Reactivity. <i>Energy &amp; Fuels</i> , 2020, 34, 5476-5484.	5.1	23
12	Combining wet torrefaction and pyrolysis for woody biochar upgradation and structural modification. <i>Energy Conversion and Management</i> , 2021, 243, 114383.	9.2	22
13	Characteristics of High-Carbon-Content Slag and Utilization for Coal-Water Slurry Preparation. <i>Energy &amp; Fuels</i> , 2020, 34, 14058-14064.	5.1	17
14	Reactivity prediction and mechanism analysis of raw and demineralized coal char gasification. <i>Energy</i> , 2021, 229, 120724.	8.8	14
15	Effect of ash removal on structure and pyrolysis/gasification reactivity of a Chinese bituminous coal. <i>International Journal of Coal Science and Technology</i> , 2020, 7, 444-455.	6.0	11
16	Catalytic Effect of Biomass Leachate on High-Rank Coal Gasification and Char Structure Evolution. <i>Energy &amp; Fuels</i> , 2020, 34, 10793-10800.	5.1	4
17	Analysis of Coal Gasification Reactivity, Kinetics, and Mechanism with Iron-Based Catalyst from Coal Liquefaction. <i>ACS Omega</i> , 2021, 6, 1584-1592.	3.5	4