

# Binghong Chen

## List of Publications by Year in descending order

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14  
papers

165  
citations

1040056

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1125743

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#	ARTICLE	IF	CITATIONS
1	A review on fundamental research of oxy-coal combustion technology. <i>Thermal Science</i> , 2022, 26, 1945-1958.	1.1	4
2	An effective design of thermophotovoltaic metamaterial emitter for medium-temperature solar energy storage utilization. <i>Solar Energy</i> , 2022, 231, 194-202.	6.1	17
3	Evolution of solid-liquid coupling combustion characteristics of boron suspension fuel in O <sub>2</sub> /Ar atmosphere. <i>Combustion and Flame</i> , 2022, 237, 111869.	5.2	20
4	Effect evaluation of micro/nano structured materials on the performance of solar thermophotovoltaic system: An analysis based on measurement data. <i>Solar Energy</i> , 2022, 231, 1037-1047.	6.1	14
5	Promotion mechanism analysis of metal hydride on the energy release characteristics of B/JP-10 suspension fuel. <i>Fuel</i> , 2022, 316, 123409.	6.4	6
6	Comparison between spectrum-split conversion and thermophotovoltaic for solar energy utilization: Thermodynamic limitation and parametric analysis. <i>Energy Conversion and Management</i> , 2022, 255, 115331.	9.2	19
7	Adsorption mechanism of oleic acid on the surface of aluminum nanoparticle: ReaxFF molecular dynamics simulation and experimental study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 618, 126500.	4.7	9
8	Parametric characteristics and optimization of a near-field thermophotovoltaic system considering cooling consumption. <i>Solar Energy</i> , 2021, 224, 629-636.	6.1	13
9	Spectral radiative energy and exergy analysis of oxy-fuel gaseous media in one-dimensional furnace cases. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021, 270, 107721.	2.3	1
10	Parametric characteristics and optimization of a novel near-field thermophotovoltaic and thermoelectric hybrid system for energy harvest. <i>Energy Conversion and Management</i> , 2021, 246, 114678.	9.2	9
11	Spectral radiation characteristics in semi-coke jet flame for energy utilization. <i>Fuel</i> , 2021, 302, 121194.	6.4	4
12	Composition and characteristics of primary combustion products of boron-based propellants. <i>Combustion, Explosion and Shock Waves</i> , 2017, 53, 55-64.	0.8	14
13	Improvement in energy release properties of boron-based propellant by oxidant coating. <i>Thermochimica Acta</i> , 2016, 638, 58-68.	2.7	35
14	A parametric study of spectral radiation of gas-fuel combustion media in 1-D furnace cases for energy utilization. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, , 1.	3.6	0