Hao Zhou

List of Publications by Year
in descending order

230 papers	3,553 citations	159358 30 h-index	223531 46 g-index
236 all docs	236 docs citations	236 times ranked	1963 citing authors

#	Article	IF	Citations
1	Experimental study on the desulfurization and evaporation characteristics of Ca(OH)2 droplets. Chinese Journal of Chemical Engineering, 2023, 54, 127-135.	1.7	0
2	Investigation on the evolution characteristics of bed porous structure during iron ore sintering. Particuology, 2023, 74, 35-47.	2.0	3
3	Effects of oxy jet in cross-flow on the combustion instability and NOx emissions in lean premixed flame. Thermal Science, 2022, 26, 2053-2067.	0.5	1
4	Influence of coke rate on thermal treatment of waste selective catalytic reduction (SCR) catalyst during iron ore sintering. Chinese Journal of Chemical Engineering, 2022, 42, 415-423.	1.7	4
5	Research on element migration and ash deposition characteristics of high-alkali coal in horizontal liquid slagging cyclone furnace. Fuel, 2022, 308, 121962.	3.4	19
6	Experimental and numerical study on the preheating process of a lab-scale solar molten salt receiver. Renewable Energy, 2022, 182, 602-614.	4.3	7
7	Investigation on the catalytic combustion of CO over $LaMn_{1-x}Cu_xO_3$ promoted by acid treatment. Asia-Pacific Journal of Chemical Engineering, 2022, 17, e2728.	0.8	2
8	Experimental investigation on the effect of granulation moisture on the flame front propagation and pore structure in the high-temperature zone of the sinter bed. Powder Technology, 2022, 396, 663-672.	2.1	6
9	Effect of coke ratio on pore structure evolution in the high-temperature zone of sintering bed. Journal of the Energy Institute, 2022, 100, 189-196.	2.7	1
10	Synthesis of NaNbxTa1−xO3/g-C3N4 composite photocatalyst for enhanced removal of organic dye. Journal of Alloys and Compounds, 2022, 896, 163027.	2.8	4
11	Heat transfer and pressure drop performance evaluation of twisted and bent fins when steam flows through the tubes. International Journal of Heat and Mass Transfer, 2022, 184, 122333.	2.5	7
12	Suppression of thermoacoustic instability and NOx emissions of unsteady swirl premixed flame with upstream microjets. Asia-Pacific Journal of Chemical Engineering, 2022, 17, .	0.8	0
13	Evaporation Characteristics of a Single Desulfurization Wastewater Droplet in High-temperature Gas. International Journal of Heat and Mass Transfer, 2022, 185, 122317.	2.5	15
14	CFD modelling of biomass ash deposition under multiple operation conditions using a 2D mass-conserving dynamic mesh approach. Fuel, 2022, 316, 123250.	3.4	15
15	Experimental study of metal−oxide nanoparticles on the thermal properties of erythritol for thermal energy storage. Asia-Pacific Journal of Chemical Engineering, 2022, 17, .	0.8	3
16	Experimental study on energy storage performances of packed bed with different solid materials. Energy, 2022, 246, 123416.	4.5	10
17	Nonlinear Dynamic Characteristics of Turbulent Non-Premixed Acoustically Perturbed Swirling Flames. Journal of Thermal Science, 2022, 31, 882-894.	0.9	2
18	Experimental Study on the Desulfurization, Denitration, and Dust Removal Characteristics of Ceramic Fiber Filter Tubes. Energy & Fuels, 2022, 36, 3715-3726.	2.5	2

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19	Numerical study on preheating process of molten salt tower receiver in windy conditions. Energy, 2022, 251, 123893.	4.5	7
20	Applicability of coal slag for application as packed bed thermal energy storage materials. Solar Energy, 2022, 236, 733-742.	2.9	9
21	Experimental study on storage performance of packed bed solar thermal energy storage system using sintered ore particles. Solar Energy Materials and Solar Cells, 2022, 238, 111654.	3.0	11
22	Combustion instability of ethanol and n-heptane fuels under different combustor geometries. Journal of the Energy Institute, 2022, 102, 206-215.	2.7	8
23	Experimental study on flow properties of coal ash slag based on the image measurement method. Asia-Pacific Journal of Chemical Engineering, 2022, 17, .	0.8	4
24	Numerical study on the transient thermal performance of a lab-scale molten salt receiver. Journal of Renewable and Sustainable Energy, 2022, 14, 033701.	0.8	1
25	Experimental study on the blocking effect of metal mesh on seepage of molten salt in tank foundation materials. Solar Energy, 2022, 240, 290-300.	2.9	1
26	Experimental study on the effects of reheat temperatures on the ammonium bisulfate and ash blend deposition. Fuel, 2022, 324, 124719.	3.4	4
27	Experimental research on fully burning high‐alkali coal in a 300‰MW boiler with slag‐tap furnace. Asia-Pacific Journal of Chemical Engineering, 2022, 17, .	0.8	3
28	A new leakage detection method of molten salt tank and its experimental verification and optimization. Journal of Renewable and Sustainable Energy, 2022, 14, .	0.8	1
29	Effect of structural characteristics and surface functional groups of biochar on thermal properties of different organic phase change materials: Dominant encapsulation mechanisms. Renewable Energy, 2022, 195, 1238-1252.	4.3	26
30	Examining the effects of liquid–powder binder concentration on the cohesion and friction of a granular bed. Particulate Science and Technology, 2021, 39, 832-843.	1.1	2
31	Experimental study on the effects of calcium-based additives to control ammonium bisulfate and ash mixture deposition with an on-line digital image technique. Fuel, 2021, 286, 119315.	3.4	4
32	Effects of superheated steam on combustion instability and NOx emissions in a model lean premixed gas turbine combustor. Fuel, 2021, 288, 119646.	3.4	19
33	Flame front propagation and sinter strength properties of permeable sintering bed prepared via enhanced granulation with hydrated lime. Asia-Pacific Journal of Chemical Engineering, 2021, 16, e2592.	0.8	5
34	Numerical simulation of ash deposition behavior with a novel erosion model using dynamic mesh. Fuel, 2021, 286, 119482.	3.4	18
35	Effect of carbon dioxide, argon, and helium jets on the synchronous control of combustion instability and NO_x emission. Asia-Pacific Journal of Chemical Engineering, 2021, 16, e2597.	0.8	0
36	Numerical Simulation of a Lab-Scale Molten-Salt External Solar Receiver and Its Experimental Validation. Journal of Energy Engineering - ASCE, 2021, 147, .	1.0	5

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37	Experimental Study of the Pore Structure during Coal and Biomass Ash Sintering Based on X-ray CT Technology. Energy & Fuels, 2021, 35, 2098-2109.	2.5	8
38	Thermal performance and thermal stress analysis of a 600 MWth solar cylinder external receiver. Renewable Energy, 2021, 164, 331-345.	4.3	17
39	Effect of coating structure of granulated quasi–fuel particles in iron ore sintering. Asia-Pacific Journal of Chemical Engineering, 2021, 16, e2629.	0.8	8
40	Investigation of LaMnO$_3$ catalyst loaded on HZSM–5 zeolite for CO catalytic oxidation. Asia-Pacific Journal of Chemical Engineering, 2021, 16, e2630.	0.8	3
41	Prediction of sound pressure fluctuations in the start-up phase of thermoacoustic oscillations under external perturbation. Waste Disposal & Sustainable Energy, 2021, 3, 21-30.	1.1	0
42	Coupled optical and thermal simulation of the thermal performance of a 50 MWe external cylindrical solar receiver. Journal of Renewable and Sustainable Energy, 2021, 13, .	0.8	4
43	In-situ investigation of melting characteristics of waste selective catalytic reduction catalysts during harmless melting treatment. Journal of Zhejiang University: Science A, 2021, 22, 207-221.	1.3	1
44	Suppression of combustion instabilities of swirled non-premixed liquid-fuel flame with CO2–O2 jet in cross-flow. Journal of the Energy Institute, 2021, 95, 69-76.	2.7	12
45	Dilution effects of CO2, Ar, N2 and He microjets on the combustion dynamic and emission characteristics of unsteady premixed flame. Aerospace Science and Technology, 2021, 111, 106537.	2.5	15
46	Mitigating combustion instability and NO x emissions with annular oxyfuel jets into the flame shear layer region. Asia-Pacific Journal of Chemical Engineering, 2021, 16, e2649.	0.8	0
47	Application of magnified digital in-line holography (MDIH) to the measurement of the evaporation process of desulfurization wastewater droplets in a high-temperature gas flow. Fuel, 2021, 292, 120307.	3.4	6
48	Experimental and simulation study on preheating pulverized coal and air flow by a heat exchanger using thermal oil. Fuel, 2021, 292, 120417.	3.4	0
49	Experimental study on the mid-frequency sound absorption performance of multiple aperture dual perforated plates traversed by bias flow. Journal of Mechanical Science and Technology, 2021, 35, 2395-2405.	0.7	0
50	Effects of operating parameters on the combustion oscillation behaviour in a lean premixed CH4 combustor. Journal of Mechanical Science and Technology, 2021, 35, 3753-3762.	0.7	3
51	Effects of Tabular Stratified CO2/O2 Jets on Dynamic and NOx Emission Characteristics of a Model Gas Turbine Combustor. Journal of Thermal Science, 2021, 30, 1160-1173.	0.9	5
52	Effects of modified kaolin adsorbents on sodium adsorption efficiency and ash fusion characteristics during Zhundong coal combustion. Journal of the Energy Institute, 2021, 97, 203-212.	2.7	23
53	Evaluation of granule structure and strength properties of green packed beds in iron ore sintering using high-resolution X-ray tomography and uniaxial compression testing. Particuology, 2021, 57, 157-166.	2.0	7
54	Facile One-Step Flame Synthesis of La1−xSrxMnO3 Nanoparticles for CO Catalytic Oxidation. Journal of Chemistry, 2021, 2021, 1-11.	0.9	2

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55	Analysis of thermal performance and thermal stress using two-dimensional thermoelastic model for a 50 MWe external cylindrical solar receiver. Journal of Mechanical Science and Technology, 2021, 35, 4785-4795.	0.7	2
56	Preparation and characterization of a shape-stable xylitol/expanded graphite composite phase change material for thermal energy storage. Solar Energy Materials and Solar Cells, 2021, 230, 111244.	3.0	38
57	Experimental research on using CO_2-Ar microjets to control liquid fuel combustion instability and pollutant emission. Journal of the Energy Institute, 2021, 98, 346-353.	2.7	10
58	Effect of walnut shell ash on pore structure characteristics during Zhundong coal sintering. Fuel Processing Technology, 2021, 221, 106923.	3.7	9
59	Influence of quick lime on pore characteristics of high-temperature zone in iron ore sinter based on XCT technology. Journal of Materials Research and Technology, 2021, 15, 4475-4486.	2.6	11
60	Combustion instability control performance of an improved Helmholtz resonator in the presence of bias flow. Aerospace Science and Technology, 2021, 119, 107153.	2.5	8
61	Numerical and experimental investigations on the total-variation regularization method of temperature distribution reconstruction in acoustic tomography. Measurement Science and Technology, 2021, 32, 035112.	1.4	4
62	A Full-Aperture Image Synthesis Method for the Rotating Rectangular Aperture System Using Fourier Spectrum Restoration. Photonics, 2021, 8, 522.	0.9	3
63	Experimental investigation of migration and solidification of molten salt leaking through tank cracks. Journal of Zhejiang University: Science A, 2021, 22, 979-991.	1.3	2
64	Experimental investigation of the effect of two additives on the characteristics of low-temperature fouling with an in-situ measurement technique. Applied Thermal Engineering, 2020, 164, 114445.	3.0	6
65	Simulating growth of ash deposit in boiler heat exchanger tube based on CFD dynamic mesh technique. Fuel, 2020, 259, 116083.	3.4	38
66	Thermal properties, permeability and compressive strength of highly porous accumulated ceramsites in the foundation of salt tank for concentrate solar power plants. Applied Thermal Engineering, 2020, 164, 114451.	3.0	5
67	Experimental study of the influence of temperatures under SCR conditions using an on-line digital image technique. Advanced Powder Technology, 2020, 31, 886-894.	2.0	3
68	Optimal control of turbulent premixed combustion instability with annular micropore air jets. Aerospace Science and Technology, 2020, 98, 105650.	2.5	26
69	Experimental study on the ash deposit thermal conductivity for ammonium bisulfate and fly ash blend with an in situ measurement technology. Fuel, 2020, 263, 116575.	3.4	5
70	Study on the effects of the surface temperature on the formation of ammonium chloride and fly ash deposits. Environmental Progress and Sustainable Energy, 2020, 39, e13367.	1.3	2
71	Effects of annular N_2/O_2 and CO_2/O_2 jets on combustion instabilities and NOx emissions in lean-premixed methane flames. Fuel, 2020, 263, 116709.	3.4	38
72	Improvement in the permeability of sintering beds by drying treatment after granulating sinter raw materials containing concentrates. Advanced Powder Technology, 2020, 31, 3297-3306.	2.0	13

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73	Attenuation effects of perforated plates with heterogeneously distributed holes on combustion instability in a spray flame combustor. Journal of Mechanical Science and Technology, 2020, 34, 4865-4875.	0.7	7
74	Effects of different preheated CO2/O2 jet in cross-flow on combustion instability and emissions in a lean-premixed combustor. Journal of the Energy Institute, 2020, 93, 2334-2343.	2.7	13
75	Harmless treatment of waste selective catalytic reduction catalysts during iron ore sintering process. Journal of Cleaner Production, 2020, 275, 122954.	4.6	12
76	Investigation of flame spray synthesized La1-xSrxCoO3 perovskites with promotional catalytic performances on CO oxidation. Journal of the Energy Institute, 2020, 93, 2381-2387.	2.7	10
77	Experimental and numerical investigation of temperature distribution and heat loss of molten salt tank foundation at different scales. Heat and Mass Transfer, 2020, 56, 2859-2869.	1.2	7
78	Mitigating self-excited thermoacoustic oscillations in a liquid fuel combustor using dual perforated plates. Journal of the Acoustical Society of America, 2020, 148, 1756-1766.	0.5	13
79	Evaluating the permeability properties of green bed in iron ore sintering using high resolution X-ray computed tomography and orthogonal array tests. Powder Technology, 2020, 375, 360-368.	2.1	13
80	Experimental and numerical evaluation of a lab-scale external solar receiver. Journal of Renewable and Sustainable Energy, 2020, 12, .	0.8	8
81	Effects of different active control strategies on combustion instability decay time, actuator voltage, and damping ratio. Journal of Applied Physics, 2020, 128, .	1.1	3
82	Correlation analysis of oxy-fuel jet in cross-flow on thermoacoustic instability in a model gas turbine combustor. Aerospace Science and Technology, 2020, 106, 106184.	2.5	8
83	Experimental investigation and numerical modeling of strength properties of iron ore sinter based on pilot-scale pot tests and X-ray computed tomography. Journal of Materials Research and Technology, 2020, 9, 13106-13117.	2.6	11
84	Investigation on the combustion behaviors of coke and biomass char in quasi-granule with CuO–CeO2 catalysts in iron ore sintering. Journal of the Energy Institute, 2020, 93, 1934-1941.	2.7	8
85	Macrostructure and NO x emission evolution characteristics of lean‐premixed flames under combustion instability. Asia-Pacific Journal of Chemical Engineering, 2020, 15, e2543.	0.8	1
86	Research on gas side performance of staggered fin-tube bundles with different serrated fin geometries. International Journal of Heat and Mass Transfer, 2020, 152, 119509.	2.5	25
87	Effect of granulating characteristics on harmless disposal of waste selective catalytic reduction catalyst in iron ore sintering process. Asia-Pacific Journal of Chemical Engineering, 2020, 15, e2428.	0.8	5
88	An experimental investigation of temperature distribution and heat loss in molten salt tanks in concentrating solar power plants. Journal of Renewable and Sustainable Energy, 2020, 12, 014101.	0.8	5
89	Migration and phase change study of leaking molten salt in tank foundation material. Applied Thermal Engineering, 2020, 170, 114968.	3.0	17
90	Passive Suppression of Self-Excited Combustion Instabilities in Liquid Spray Flame Using Microperforated Plate. Journal of Engineering for Gas Turbines and Power, 2020, 142, .	0.5	8

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91	Taguchi Orthogonal Test on Granule Properties and Porosity Distribution in Sintering Bed using High-resolution X-ray Computed Tomography. ISIJ International, 2020, 60, 1149-1158.	0.6	5
92	Experimental study on crushing strength and Young's modulus of granules in iron ore sintering using Taguchi method. Particuology, 2020, 53, 175-185.	2.0	1
93	Reversible microfluidic measurement with zinc tetraphenylporphyrin aiming at slipping NH_3 detection. Micro and Nano Letters, 2020, 15, 769-773.	0.6	0
94	Experimental investigation of ignition and combustion characteristics of single coal and biomass particles in O_2/N_2 and O_2/H_2O. Journal of the Energy Institute, 2019, 92, 502-511.	2.7	31
95	Reduced-order analysis of an oil-fuel furnace vibration and comparison with the finite element method. JVC/Journal of Vibration and Control, 2019, 25, 298-309.	1.5	1
96	The influence of Na_2SO_3/$NaHSO_3$ on the formation process of low-temperature ash deposition with an in situ measurement technique. Asia-Pacific Journal of Chemical Engineering, 2019, 14, e2351.	0.8	5
97	Investigation of the slagging characteristics during co-combustion of Shenhua coal and corn stalk: Effect of deposition surface. Fuel, 2019, 256, 115939.	3.4	9
98	Low-frequency sound absorptive properties of dual perforated plates under bias flow. Applied Acoustics, 2019, 146, 420-428.	1.7	12
99	Experimental measurements and XCT based simulation of effective thermal conductivity of stacked ceramsites in molten-salt tank foundation. Heat and Mass Transfer, 2019, 55, 3103-3115.	1.2	2
100	Numerical prediction of swirl burner geometry effects on NOx emission and combustion instability in heavy oil-fired boiler. Applied Thermal Engineering, 2019, 159, 113843.	3.0	15
101	Online blend-type identification during co-firing coal and biomass using SVM and flame emission spectrum in a pilot-scale furnace. IET Renewable Power Generation, 2019, 13, 253-261.	1.7	4
102	Effect of biomass ashes on sintering characteristics of high/low melting bituminous coal ash. Fuel Processing Technology, 2019, 189, 62-73.	3.7	41
103	The spin-coating-based immobilization of ZnTPP-dyed cation exchange resin microbeads for reversible ammonia detection. Analytical Methods, 2019, 11, 2155-2162.	1.3	0
104	Simulation of ash deposition in different furnace temperature with a 2D dynamic mesh model. Journal of the Energy Institute, 2019, 92, 1743-1756.	2.7	20
105	Visual investigation of slagging characteristics in a pilot-scale facility: Influence of deposition surface. Chinese Journal of Chemical Engineering, 2019, 27, 1728-1734.	1.7	3
106	A Reversible Spectrophotometric Method Based on a Coupled Microfluidic Chip for Highly Selective Ammonium Detection. Journal of Chemistry, 2019, 2019, 1-8.	0.9	1
107	Effect of coke rate and basicity on computed tomography-measured pore parameters and effective thermal conductivity of iron ore sinter. Journal of Materials Research and Technology, 2019, 8, 6191-6201.	2.6	10
108	Experimental investigation on the conversion of fuel-N to NOx of quasi-particle in flue gas recirculation sintering process. Journal of the Energy Institute, 2019, 92, 1476-1486.	2.7	13

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109	Study of burner geometry effects on non-premixed flame response under acoustic excitation. Journal of Low Frequency Noise Vibration and Active Control, 2019, 38, 3-17.	1.3	10
110	Experimental investigation on the flame front resistance of gas channel growth with melt formation in iron ore sinter beds. Proceedings of the Combustion Institute, 2019, 37, 4607-4615.	2.4	16
111	Conversions of fuel-N to NO and N2O during devolatilization and char combustion stages of a single coal particle under oxy-fuel fluidized bed conditions. Journal of the Energy Institute, 2019, 92, 351-363.	2.7	45
112	Application of the Perforated Plate in Passive Control of the Nonpremixed Swirl Combustion Instability Under Acoustic Excitation. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	0.5	5
113	Modeling Methods for Combustion Characteristics. Advanced Topics in Science and Technology in China, 2018, , 21-145.	0.0	1
114	Application of digital holographic microscopy and microfluidic chips to the measurement of particle size distribution of fly ash after a wet electrostatic precipitator. Flow Measurement and Instrumentation, 2018, 60, 24-29.	1.0	10
115	Conversions of fuel-N, volatile-N, and char-N to NO and N2O during combustion of a single coal particle in O2/N2 and O2/H2O at low temperature. Chinese Journal of Chemical Engineering, 2018, 26, 1967-1977.	1.7	11
116	The Influence of Combustion Parameters on NO x Emissions and Carbon Burnout. Advanced Topics in Science and Technology in China, 2018, , 7-19.	0.0	0
117	The Relationship between Sinter Mix Composition and Flame Front Properties by a Novel Experimental Approach. Combustion Science and Technology, 2018, 190, 721-739.	1.2	3
118	Behavior of Slagging Deposits during Coal and Biomass Co-combustion in a 300 kW Down-Fired Furnace. Energy & Fuels, 2018, 32, 4399-4409.	2.5	24
119	Experimental study of the combustion and NO emission behaviors during cofiring coal and biomass in O_2/N_2 and O_2/H_2O. Asia-Pacific Journal of Chemical Engineering, 2018, 13, e2198.	0.8	5
120	Ash deposition behavior under coal and wood co-firing conditions in a 300ÂkW downfired furnace. Journal of the Energy Institute, 2018, 91, 743-755.	2.7	13
121	Modelling and analysis of the combustion behaviour of granulated fuel particles in iron ore sintering. Combustion and Flame, 2018, 189, 257-274.	2.8	14
122	Optimization of ammonia injection grid in hybrid selective non-catalyst reduction and selective catalyst reduction system to achieve ultra-low NOx emissions. Journal of the Energy Institute, 2018, 91, 984-996.	2.7	22
123	Experimental Study on the Bubble Formation Mechanism during the Sintering of Coal and Biomass Ash Blends. Energy & Fuels, 2018, 32, 12919-12929.	2.5	5
124	Effects of Temperature and Circulating Flue Gas Components on Combustion and NO$_x$ Emissions Characteristics of Four Types Quasi-particles in Iron Ore Sintering Process. ISIJ International, 2018, 58, 1650-1658.	0.6	16
125	Experimental study of the fouling characteristics in a pilotâ€scale facility: Influence of the fouling surface. Asia-Pacific Journal of Chemical Engineering, 2018, 13, e2243.	0.8	0
126	Evaluation of compressive strength and shear strength of the adhering layer of granules in iron ore sintering. Powder Technology, 2018, 338, 599-607.	2.1	17

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127	Investigation of the deposition characteristics of ammonium bisulfate and fly ash blend using an on-line digital image technique: Effect of deposition surface temperature. Fuel Processing Technology, 2018, 179, 359-368.	3.7	17
128	Promotion of the mixing performance of heated gas and low-temperature sintering gas in selective catalytic reaction facilities. Experimental Thermal and Fluid Science, 2018, 94, 258-280.	1.5	3
129	Evaluation of the adhering layer ratio of iron ore granules and its influence on combustion-generated NO x emission in iron ore sintering. Journal of Zhejiang University: Science A, 2018, 19, 479-490.	1.3	5
130	Online Combustion Optimization System. Advanced Topics in Science and Technology in China, 2018, , 239-264.	0.0	0
131	Combining Neural Network or Support Vector Machine with Optimization Algorithms to Optimize the Combustion. Advanced Topics in Science and Technology in China, 2018, , 171-237.	0.0	0
132	Neural Network Modeling of Combustion Characteristics. Advanced Topics in Science and Technology in China, 2018, , 147-154.	0.0	0
133	Experimental investigations of the conversion of fuel-N, volatile-N and char-N to NOx and N2O during single coal particle fluidized bed combustion. Journal of the Energy Institute, 2017, 90, 62-72.	2.7	31
134	Understanding the ash deposition formation in Zhundong lignite combustion through dynamic CFD modelling analysis. Fuel, 2017, 194, 533-543.	3.4	65
135	Simultaneous particle size and 3D position measurements of pulverized coal flame with digital inline holography. Fuel, 2017, 195, 12-22.	3.4	36
136	Coal type identification based on the emission spectra of a furnace flame. Journal of Zhejiang University: Science A, 2017, 18, 113-123.	1.3	6
137	Response of non-premixed swirl-stabilized flames to acoustic excitation and jet in cross-flow perturbations. Experimental Thermal and Fluid Science, 2017, 82, 124-135.	1.5	15
138	Experimental study of the NO and N2O emissions during devolatilization and char combustion of a single biomass particle in O2/N2 and O2/H2O under low temperature condition. Fuel, 2017, 206, 162-170.	3.4	17
139	Fouling Characteristics of Coal Biomass Co-combustion and the Influence of the Deposition Surface. Energy & Fuels, 2017, 31, 7069-7075.	2.5	2
140	NO and N$_2$O Emissions during Devolatilization and Char Combustion of a Single Biomass Particle under Oxy-fuel Conditions at Fluidized Bed Temperature. Energy & Fuels, 2017, 31, 7157-7165.	2.5	11
141	Experimental study and X-ray microtomography based CFD simulation for the characterization of pressure drop in sinter bed. Applied Thermal Engineering, 2017, 112, 811-819.	3.0	17
142	Experimental investigation on the mixing performance of heating gas into the low temperature sintering flue gas selective catalyst reaction facilities. Applied Thermal Engineering, 2017, 115, 378-392.	3.0	15
143	Combining flame monitoring techniques and support vector machine for the online identification of coal blends. Journal of Zhejiang University: Science A, 2017, 18, 677-689.	1.3	9
144	High resolution X-ray microtomography for the characterization of pore structure and effective thermal conductivity of iron ore sinter. Applied Thermal Engineering, 2017, 127, 508-516.	3.0	23

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145	An experimental study on the effects of adding biomass ashes on ash sintering behavior of Zhundong coal. Applied Thermal Engineering, 2017, 126, 689-701.	3.0	27
146	Characterization of Granule Structure and Packed Bed Properties of Iron Ore Sinter Feeds that Contain Concentrate. ISIJ International, 2017, 57, 1004-1011.	0.6	22
147	Experimental Study of Spray Flame Characteristics in Hot-Diluted Oxidant Through Advanced Image Processing Technique. , 2017, , .		0
148	Experimental Investigation on the Influence of Air Velocity on the Particle Dispersion Behavior of Rice Husk in a Fuel-Rich/Lean Burner. , 2017, , .		0
149	Influence of Binder Dosage on Granule Structure and Packed Bed Properties in Iron Ore Sintering Process. ISIJ International, 2016, 56, 1920-1928.	0.6	28
150	Experimental measurements of gasâ€"solid flow and splitting mechanisms of a coal pipe splitter with a perpendicularly arranged upstream elbow. Particuology, 2016, 25, 143-150.	2.0	4
151	Modeling NOx emission of coke combustion in iron ore sintering process and its experimental validation. Fuel, 2016, 179, 322-331.	3.4	57
152	Visual Investigation of the Growth of Ash Deposits and Characteristics of Fly Ash with CaO Additives. Energy & Fuels, 2016, 30, 1792-1799.	2.5	7
153	Characterizations of transparent particle holography in near-field using Debye series. Applied Optics, 2016, 55, A60.	2.1	14
154	Experimental investigation on the flow characteristics of rice husk in a fuel-rich/lean burner. Fuel, 2016, 164, 1-10.	3.4	6
155	Influence of sintering parameters of different sintering layers on NOx emission in iron ore sintering process. Applied Thermal Engineering, 2016, 94, 786-798.	3.0	18
156	Numerical investigation of a gasâ€"solid turbulent jet flow with Reynolds number of 4500 using lattice Boltzmann method. Applied Mathematical Modelling, 2016, 40, 565-577.	2.2	6
157	Effect of Five Different Additives on the Sintering Behavior of Coal Ash Rich in Sodium under an Oxy-fuel Combustion Atmosphere. Energy & Fuels, 2015, 29, 5519-5533.	2.5	28
158	Factors Controlling High-temperature Zone Resistance to Airflow during Iron Ore Sintering. ISIJ International, 2015, 55, 2556-2565.	0.6	21
159	Multiscale Discrete Simulation of Complex Systems. Discrete Dynamics in Nature and Society, 2015, 2015, 1-2.	0.5	0
160	Numerical investigation of gas-particle flow in the primary air pipe of a low NOx swirl burner â€" The DEM-CFD method. Particuology, 2015, 19, 133-140.	2.0	18
161	Influence of Coke Combustion on NO_x Emission during Iron Ore Sintering. Energy & Fuels, 2015, 29, 974-984.	2.5	37
162	An induction current method for determining the critical micelle concentration and the polarity of surfactants. Colloid and Polymer Science, 2015, 293, 1525-1534.	1.0	15

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163	Research on the slagging characteristics of blended coals in a pilot-scale furnace. Journal of Zhejiang University: Science A, 2015, 16, 204-216.	1.3	3
164	Effect of temperature on the sintering behavior of Zhundong coal ash in oxy-fuel combustion atmosphere. Fuel, 2015, 150, 526-537.	3.4	82
165	Impact of OFA on combustion and NO emissions of a large-scale laboratory furnace fired by a heavy-oil swirl burner. Applied Thermal Engineering, 2015, 90, 994-1006.	3.0	29
166	Effect of the flue gas recirculation supply location on the heavy oil combustion and NOx emission characteristics within a pilot furnace fired by a swirl burner. Energy, 2015, 91, 110-116.	4.5	18
167	Quantitative Assessment of Flame Stability Through Image Processing and Spectral Analysis. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 3323-3333.	2.4	42
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