

Houzhang Tan

List of Publications by Year in descending order

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139
papers

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#	ARTICLE	IF	CITATIONS
1	Ash-related issues during biomass combustion: Alkali-induced slagging, silicate melt-induced slagging (ash fusion), agglomeration, corrosion, ash utilization, and related countermeasures. <i>Progress in Energy and Combustion Science</i> , 2016, 52, 1-61.	31.2	750
2	The ash deposition mechanism in boilers burning Zhundong coal with high contents of sodium and calcium: A study from ash evaporating to condensing. <i>Applied Thermal Engineering</i> , 2015, 80, 150-159.	6.0	248
3	Synergetic effect of sewage sludge and biomass co-pyrolysis: A combined study in thermogravimetric analyzer and a fixed bed reactor. <i>Energy Conversion and Management</i> , 2016, 118, 399-405.	9.2	138
4	Effect of silicon and aluminum additives on ash fusion and ash mineral conversion of Xinjiang high-sodium coal. <i>Fuel</i> , 2016, 181, 1224-1229.	6.4	117
5	Thermogravimetric study on the Co-combustion characteristics of oily sludge with plant biomass. <i>Thermochimica Acta</i> , 2016, 633, 69-76.	2.7	100
6	NOx and SOx emissions of a high sulfur self-retention coal during air-staged combustion. <i>Fuel</i> , 2008, 87, 723-731.	6.4	95
7	Investigations on biomass slagging in utility boiler: Criterion numbers and slagging growth mechanisms. <i>Fuel Processing Technology</i> , 2014, 128, 499-508.	7.2	94
8	Further study on biomass ash characteristics at elevated ashing temperatures: The evolution of K, Cl, S and the ash fusion characteristics. <i>Bioresource Technology</i> , 2013, 129, 642-645.	9.6	76
9	Combustibility analysis of high-carbon fine slags from an entrained flow gasifier. <i>Journal of Environmental Management</i> , 2020, 271, 111009.	7.8	75
10	Investigation of characteristics and formation mechanisms of deposits on different positions in full-scale boiler burning high alkali coal. <i>Applied Thermal Engineering</i> , 2017, 119, 449-458.	6.0	72
11	Experimental investigation on biomass co-firing in a 300 MW pulverized coal-fired utility furnace in China. <i>Proceedings of the Combustion Institute</i> , 2011, 33, 2725-2733.	3.9	71
12	Synergistic effects of biomass and polyurethane co-pyrolysis on the yield, reactivity, and heating value of biochar at high temperatures. <i>Fuel Processing Technology</i> , 2019, 194, 106127.	7.2	69
13	Effect of potassium-doping and oxygen concentration on soot oxidation in O ₂ /CO ₂ atmosphere: A kinetics study by thermogravimetric analysis. <i>Energy Conversion and Management</i> , 2017, 149, 686-697.	9.2	68
14	Improving the removal of particles and trace elements from coal-fired power plants by combining a wet phase transition agglomerator with wet electrostatic precipitator. <i>Journal of Cleaner Production</i> , 2017, 161, 1459-1465.	9.3	68
15	Pilot-scale study on water and latent heat recovery from flue gas using fluorine plastic heat exchangers. <i>Journal of Cleaner Production</i> , 2017, 161, 1416-1422.	9.3	67
16	Investigation on the fast co-pyrolysis of sewage sludge with biomass and the combustion reactivity of residual char. <i>Bioresource Technology</i> , 2017, 239, 302-310.	9.6	64
17	Investigation on ash deposition characteristics during Zhundong coal combustion. <i>Journal of the Energy Institute</i> , 2018, 91, 33-42.	5.3	56
18	Migration and Emission Characteristics of Trace Elements in a 660 MW Coal-Fired Power Plant of China. <i>Energy & Fuels</i> , 2016, 30, 5937-5944.	5.1	55

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19	Characteristics of fine particulate matter formation during combustion of lignite riched in AAEM (alkali and alkaline earth metals) and sulfur. <i>Fuel</i> , 2018, 211, 206-213.	6.4	55
20	Study on extracting available salt from straw/woody biomass ashes and predicting its slagging/fouling tendency. <i>Journal of Cleaner Production</i> , 2017, 155, 164-171.	9.3	54
21	Characteristics of HCN Removal Using CaO at High Temperatures. <i>Energy & Fuels</i> , 2009, 23, 1545-1550.	5.1	50
22	Nitrogen, Sulfur, and Chlorine Transformations during the Pyrolysis of Straw. <i>Energy & Fuels</i> , 2010, 24, 5215-5221.	5.1	48
23	Particulate matter emission and K/S/Cl transformation during biomass combustion in an entrained flow reactor. <i>Journal of the Energy Institute</i> , 2018, 91, 835-844.	5.3	47
24	Experimental study on the coexistent dual slagging in biomass-fired furnaces: Alkali- and silicate melt-induced slagging. <i>Proceedings of the Combustion Institute</i> , 2015, 35, 2405-2413.	3.9	44
25	Study of ash fouling on the blade of induced fan in a 330 MW coal-fired power plant with ultra-low pollutant emission. <i>Applied Thermal Engineering</i> , 2017, 118, 283-291.	6.0	44
26	Aggravated fine particulate matter emissions from heating-upgraded biomass and biochar combustion: The effect of pretreatment temperature. <i>Fuel Processing Technology</i> , 2018, 171, 1-9.	7.2	42
27	Migration Behavior of Trace Elements at a Coal-Fired Power Plant with Different Boiler Loads. <i>Energy & Fuels</i> , 2017, 31, 747-754.	5.1	41
28	Low NO combustion and SCR flow field optimization in a low volatile coal fired boiler. <i>Journal of Environmental Management</i> , 2018, 220, 30-35.	7.8	40
29	Investigation on high temperature corrosion of water-cooled wall tubes at a 300MW boiler. <i>Journal of the Energy Institute</i> , 2020, 93, 377-386.	5.3	40
30	Emission characteristics of condensable particulate matter and sulfur trioxide from coal-fired power plants. <i>Journal of the Energy Institute</i> , 2021, 94, 146-156.	5.3	40
31	A kinetic study on the catalysis of KCl, K ₂ SO ₄ , and K ₂ CO ₃ during oxy-biomass combustion. <i>Journal of Environmental Management</i> , 2018, 218, 50-58.	7.8	39
32	Study on Deposits on the Surface, Upstream, and Downstream of Bag Filters in a 12 MW Biomass-Fired Boiler. <i>Energy & Fuels</i> , 2010, 24, 2127-2132.	5.1	36
33	Soot formation during polyurethane (PU) plastic pyrolysis: The effects of temperature and volatile residence time. <i>Energy Conversion and Management</i> , 2018, 164, 353-362.	9.2	35
34	Characteristics of ash and slag from four biomass-fired power plants: Ash/slag ratio, unburned carbon, leaching of major and trace elements. <i>Energy Conversion and Management</i> , 2020, 214, 112897.	9.2	35
35	Numerical evaluation of different pulverized coal and solid recovered fuel co-firing modes inside a large-scale cement calciner. <i>Applied Energy</i> , 2016, 184, 1292-1305.	10.1	34
36	Optimization of coal reburning in a 1MW tangentially fired furnace. <i>Fuel</i> , 2007, 86, 1169-1175.	6.4	33

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37	Synergistic effect of biomass and polyurethane waste co-pyrolysis on soot formation at high temperatures. <i>Journal of Environmental Management</i> , 2019, 239, 306-315.	7.8	32
38	Nitrogen evolution, NOX formation and reduction in pressurized oxy coal combustion. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 157, 112020.	16.4	31
39	Study of optimal pulverized coal concentration in a four-wall tangentially fired furnace. <i>Applied Energy</i> , 2011, 88, 1164-1168.	10.1	30
40	Kinetics investigation on the combustion of waste capsicum stalks in Western China using thermogravimetric analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 109, 403-412.	3.6	30
41	Evaluation of aluminum ash in alleviating the ash deposition of high-sodium and high-iron coal. <i>Fuel</i> , 2020, 273, 117701.	6.4	30
42	Kinetics investigation on the combustion of biochar in O_2/CO_2 atmosphere. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 923-932.	2.3	29
43	Characteristics and Mechanism of Soot Formation during the Fast Pyrolysis of Biomass in an Entrained Flow Reactor. <i>Energy & Fuels</i> , 2018, 32, 11477-11488.	5.1	28
44	Effects of APCDs on PM emission: A case study of a 660MW coal-fired unit with ultralow pollutants emission. <i>Applied Thermal Engineering</i> , 2019, 155, 418-427.	6.0	28
45	The condensation and thermodynamic characteristics of alkali compound vapors on wall during wheat straw combustion. <i>Fuel</i> , 2017, 187, 33-42.	6.4	26
46	Hot corrosion behaviors of TP347H and HR3C stainless steel with KCl deposit in oxy-biomass combustion. <i>Journal of Environmental Management</i> , 2020, 263, 110411.	7.8	26
47	Emission characteristics of particulate matters from a 30MW biomass-fired power plant in China. <i>Renewable Energy</i> , 2020, 155, 225-236.	8.9	25
48	Emission Characteristics of Particulate Matter from Two Ultralow-Emission Coal-Fired Industrial Boilers in Xi'an, China. <i>Energy & Fuels</i> , 2019, 33, 1944-1954.	5.1	24
49	Experimental and modeling study of the long cylindrical oily sludge drying process. <i>Applied Thermal Engineering</i> , 2015, 91, 354-362.	6.0	23
50	Proposal and techno-economic analysis of a novel system for waste heat recovery and water saving in coal-fired power plants: A case study. <i>Journal of Cleaner Production</i> , 2021, 281, 124372.	9.3	23
51	Assessment of sulfur trioxide formation due to enhanced interaction of nitrogen oxides and sulfur oxides in pressurized oxy-combustion. <i>Fuel</i> , 2021, 290, 119964.	6.4	23
52	Effect of different additives on ash fusion characteristic and mineral phase transformation of iron-rich Zhundong coal. <i>Fuel</i> , 2022, 307, 121841.	6.4	23
53	Effect of pyrolysis upgrading temperature on particulate matter emissions from lignite semi-char combustion. <i>Energy Conversion and Management</i> , 2019, 195, 384-391.	9.2	22
54	Kinetic model study on biomass pyrolysis and CFD application by using pseudo-Bio-CPD model. <i>Fuel</i> , 2021, 293, 120266.	6.4	22

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55	Effect of biomass/coal co-firing and air staging on NO _x emission and combustion efficiency in a drop tube furnace. <i>Energy Procedia</i> , 2014, 61, 2331-2334.	1.8	21
56	Experimental study of a zero water consumption wet FGD system. <i>Applied Thermal Engineering</i> , 2014, 63, 272-277.	6.0	20
57	Development of wet phase transition agglomerator for multi-pollutant synergistic removal. <i>Applied Thermal Engineering</i> , 2018, 130, 1208-1214.	6.0	20
58	Morphology of char particles from coal pyrolysis in a pressurized entrained flow reactor: Effects of pressure and atmosphere. <i>Energy</i> , 2022, 238, 121846.	8.8	20
59	Determining the optimum coal concentration in a general tangential-fired furnace with rich-lean burners: From a bench-scale to a pilot-scale study. <i>Applied Thermal Engineering</i> , 2014, 73, 371-379.	6.0	19
60	Sulfate Removal by Kaolin Addition To Address Fouling in a Full-Scale Furnace Burning High-Alkaline Zhundong Coal. <i>Energy & Fuels</i> , 2017, 31, 12823-12830.	5.1	18
61	Experiment Study on Ash Fusion Characteristics of Cofiring Straw and Sawdust. <i>Energy & Fuels</i> , 2018, 32, 525-531.	5.1	18
62	Study on reduction characteristics of Fe species in coal ash under SNCR condition. <i>Fuel</i> , 2020, 277, 118231.	6.4	18
63	A New Agro/Forestry Residues Co-Firing Model in a Large Pulverized Coal Furnace: Technical and Economic Assessments. <i>Energies</i> , 2013, 6, 4377-4393.	3.1	17
64	Experimental and kinetics study on SO ₃ catalytic formation by Fe ₂ O ₃ in oxy-combustion. <i>Journal of Environmental Management</i> , 2019, 236, 420-427.	7.8	17
65	A kinetic evaluation and optimization study on NO _x reduction by reburning under pressurized oxy-combustion. <i>Journal of Environmental Management</i> , 2021, 290, 112690.	7.8	17
66	Pilot Study on In-depth Water Saving and Heat Recovery from Tail Flue Gas in Lignite-fired Power Plant. <i>Energy Procedia</i> , 2014, 61, 2558-2561.	1.8	16
67	Combustion characteristics of a four-wall tangential firing pulverized coal furnace. <i>Applied Thermal Engineering</i> , 2015, 90, 471-477.	6.0	16
68	Study on reduction mechanism of Fe ₂ O ₃ by NH ₃ under SNCR condition. <i>Fuel</i> , 2019, 255, 115814.	6.4	16
69	Investigation of Slagging Characteristics on Middle and low temperature heat transfers by Burning High Sodium and Iron coal. <i>Combustion Science and Technology</i> , 2022, 194, 1768-1787.	2.3	16
70	Effect of feedstock water leaching on ignition and PM _{1.0} emission during biomass combustion in a flat-flame burner reactor. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 2705-2713.	3.9	15
71	Investigation on PM formation from combustion of lignite with high contents of AAEMs (alkali and Tj ETQq1 1 0.784314 rgBT /Overlock 93, 2464-2473.	5.3	15
72	Oxidation reactivity and kinetic analysis of bituminous coal char from high-temperature pyrolysis: Effect of heating rate and pyrolysis temperature. <i>Thermochimica Acta</i> , 2020, 690, 178660.	2.7	15

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73	Thermogravimetric study on the flue-cured tobacco leaf pyrolysis and combustion using a distributed activation energy model. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2017, 12, 75-84.	1.5	14
74	Impact of complex reacting atmosphere on ash fusion characteristics and minerals conversion in coal combustion process. <i>Combustion Science and Technology</i> , 2018, 190, 1178-1193.	2.3	14
75	Shock tube evaluation on C ₂ H ₄ ignition delay differences among N ₂ , Ar, He, CO ₂ diluent gases. <i>Journal of the Energy Institute</i> , 2020, 93, 1271-1277.	5.3	14
76	Effects of coal types and combustion conditions on carbonaceous aerosols in flue gas and their light absorption properties. <i>Fuel</i> , 2020, 277, 118148.	6.4	14
77	Effect of Ca ₃ (PO ₄) ₂ additive on the slagging behavior during the cofiring of high-sodium coal and iron-rich coal. <i>Fuel Processing Technology</i> , 2021, 222, 106965.	7.2	14
78	Experimental and numerical investigation on the structure characteristics of vortex generators affecting particle agglomeration. <i>Powder Technology</i> , 2020, 362, 805-816.	4.2	13
79	Effects of a combination of biomass addition and atmosphere on combustion characteristics and kinetics of oily sludge. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 393-407.	4.6	13
80	Experimental investigation on a novel agglomeration device based on charged ultrasonic spray and vortex generators for improving the removal of fine particles. <i>Fuel</i> , 2021, 287, 119549.	6.4	13
81	Condensational growth activated by cooling method for multi-objective treatment of desulfurized flue gas: A full-scale study. <i>Chemical Engineering Journal</i> , 2021, 410, 128296.	12.7	13
82	Numerical and experimental study on co-firing of low volatile coal in a 330MW tangentially fired boiler. <i>Journal of the Energy Institute</i> , 2021, 96, 242-250.	5.3	13
83	Fusion characteristics of capsicum stalk ash. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2011, 6, 679-684.	1.5	12
84	Extraction and quantitation of various potassium salts in straw ash. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 333-338.	2.3	12
85	Characteristic of Particulate Matter from Combustion of Zhundong Lignite: A Comparison between Air and Oxy-fuel Atmospheres. <i>Energy & Fuels</i> , 2019, 33, 12260-12269.	5.1	12
86	Effects of Wet Flue Gas Desulfurization and Wet Electrostatic Precipitator on Particulate Matter and Sulfur Oxide Emission in Coal-Fired Power Plants. <i>Energy & Fuels</i> , 2020, 34, 16423-16432.	5.1	12
87	Study of the Layered Structure of Deposit in a Biomass-Fired Boiler (Case Study). <i>Energy & Fuels</i> , 2011, 25, 2593-2600.	5.1	11
88	Effect of SO ₂ Addition on PM Formation from Biomass Combustion in an Entrained Flow Reactor. <i>Energy & Fuels</i> , 2018, 32, 11030-11037.	5.1	11
89	Evolution of PM _{2.5} from biomass high-temperature pyrolysis in an entrained flow reactor. <i>Journal of the Energy Institute</i> , 2019, 92, 1548-1556.	5.3	11
90	Investigation on ash fusion temperature and slagging characteristic of Zhundong coal blends, Part 1: The effect of two solid wastes from calcium carbide production. <i>Fuel Processing Technology</i> , 2022, 228, 107138.	7.2	11

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91	Fragmentation and mineral transformation behavior during combustion of char produced at elevated pressure. <i>Energy Conversion and Management</i> , 2022, 258, 115538.	9.2	11
92	Effect of Interaction between Sodium and Oxides of Silicon and Aluminum on the Formation of Fine Particulates during Synthetic Char Combustion. <i>Energy & Fuels</i> , 2018, 32, 6756-6762.	5.1	10
93	Condensation of KCl(g) under varied temperature gradient. <i>Fuel</i> , 2019, 237, 1141-1150.	6.4	10
94	Evolution of particulate matter in the post-combustion zone of Zhundong lignite. <i>Fuel</i> , 2020, 281, 118780.	6.4	10
95	Decrease of high-carbon-ash landfilling by its Co-firing inside a cement calciner. <i>Journal of Cleaner Production</i> , 2021, 293, 126090.	9.3	10
96	Characteristics of fine particle formation during combustion of Xinjiang high-chlorine-sodium coal. <i>Fuel</i> , 2021, 297, 120772.	6.4	10
97	Fe occurrence form and slagging mechanism on water-wall during high iron Zhundong coal combustion process. <i>Fuel</i> , 2022, 315, 123268.	6.4	10
98	Segmented Kinetic Investigation on Condensed KCl Sulfation in SO ₂ /O ₂ /H ₂ O at 523–1023 K. <i>Energy & Fuels</i> , 2014, 28, 7560-7568.	5.1	9
99	Existence and release of sodium in Zhundong coal: effects of treating temperature and silica additives. <i>International Journal of Oil, Gas and Coal Technology</i> , 2016, 11, 63.	0.2	9
100	Effect of thermal expansion additives on alleviating the ash deposition of high-sodium coal. <i>Journal of Environmental Management</i> , 2020, 269, 110799.	7.8	9
101	C ₁ ~¼C ₂ hydrocarbons generation and mutual conversion behavior in coal pyrolysis process. <i>Fuel</i> , 2022, 308, 121929.	6.4	9
102	A typical super-heater tube leakage and high temperature corrosion mechanism investigation in a 260t/h circulated fluidized boiler. <i>Engineering Failure Analysis</i> , 2020, 109, 104255.	4.0	8
103	Formation of Sulfide Deposits and High-Temperature Corrosion Behavior at Fireside in a Coal-Fired Boiler. <i>Energy & Fuels</i> , 2020, 34, 13849-13861.	5.1	8
104	Effect of calcined kaolin on PM _{0.4} formation from combustion of Zhundong lignite. <i>Fuel</i> , 2022, 319, 123622.	6.4	8
105	A calculation method of biomass slagging rate based on crystallization theory. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2014, 9, 456-463.	1.5	7
106	Combustibility and Cofiring of Coal Gasification Fine Ash with High Carbon Content in a Full-scale Pulverized Coal Furnace. <i>Energy & Fuels</i> , 2020, 34, 12972-12983.	5.1	7
107	Assessment of the effect of alkali chemistry on post-flame aerosol formation during oxy-combustion of biomass. <i>Fuel</i> , 2022, 311, 122521.	6.4	7
108	Submicron particle formation from co-firing of coal and municipal sewage sludge. <i>Journal of Environmental Management</i> , 2022, 311, 114863.	7.8	7

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109	Nano-Scale Soot Particle Formation During the High-Temperature Pyrolysis of Waste Plastics in an Entrained Flow Reactor. <i>Waste and Biomass Valorization</i> , 2019, 10, 3857-3866.	3.4	6
110	Field measurements on particle size distributions and emission characteristics of PM10 in a cement plant of China. <i>Atmospheric Pollution Research</i> , 2019, 10, 1464-1472.	3.8	6
111	Catalytic function of ferric oxide and effect of water on the formation of sulfur trioxide. <i>Journal of Environmental Management</i> , 2020, 264, 110499.	7.8	6
112	Mechanism study of nitric oxide reduction by light gases from typical Chinese coals. <i>Journal of the Energy Institute</i> , 2020, 93, 1697-1704.	5.3	6
113	Effect of coal rank, oxygen level and particle size on oxidation reactivity of typical Chinese coals. <i>Thermochimica Acta</i> , 2021, 696, 178838.	2.7	6
114	Effect of particle system on slag formation and shedding characteristics of high alkali metal coal in full-scale circulating fluidized bed boiler based on Nano-CT. <i>Fuel Processing Technology</i> , 2021, 223, 106995.	7.2	6
115	Removal of Dilute Nitric Oxide using Cobalt Diethylenetriamine Solution under Aerobic Condition. <i>Separation Science and Technology</i> , 2009, 44, 1590-1603.	2.5	5
116	The characteristics of particulate matter and optical properties of Brown carbon in air lean condition related to residential coal combustion. <i>Powder Technology</i> , 2021, 379, 505-514.	4.2	5
117	Effect of ZnS/PbS deposits on high temperature corrosion of waterwall tubes in reducing atmosphere. <i>Fuel Processing Technology</i> , 2021, 216, 106793.	7.2	5
118	Optimization Study on Air Distribution of an Actual Agriculture Up-draft Biomass Gasification Stove. <i>Energy Procedia</i> , 2014, 61, 2335-2338.	1.8	4
119	A Coupling Study of Potassium Sulfation Chemistry and Aerosol Dynamics for a KCl/SO ₂ /O ₂ /H ₂ O System. <i>Energy & Fuels</i> , 2020, 34, 12951-12959.	5.1	4
120	Investigation on the Synergetic Effect of Biomass Co-Firing in the Atmosphere of O ₂ /CO ₂ . <i>Journal of Biobased Materials and Bioenergy</i> , 2014, 8, 481-488.	0.3	4
121	Distribution characteristics of soil AM fungi community in soft sandstone area. <i>Journal of Environmental Management</i> , 2022, 316, 115193.	7.8	4
122	Decision Making on Most Economical Coal for Coal-Fired Power Plants Under Fluctuating Coal Prices. <i>International Journal of Coal Preparation and Utilization</i> , 2011, 31, 273-288.	2.1	3
123	Numerical Simulation on the Effect of Burner Bias Angles on the Performance of a Two-Stage Entrained-Flow Gasifier. <i>ACS Omega</i> , 2022, 7, 6640-6654.	3.5	3
124	Performance characteristics of NO removal by cobalt diethylenetriamine solution. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 848-853.	2.7	2
125	Kinetic investigation of the SO ₂ influence on NO reduction processes during methane reburning. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2010, 5, 902-908.	1.5	2
126	Influences of Organic Solvents on the Properties of 1-Butyl-3-methylimidazolium Acetate. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 1911-1918.	1.9	2

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127	Investigation of Zn- and Pb-rich deposits on water-wall tubes in three coal-fired boilers. Fuel Processing Technology, 2021, 211, 106607.	7.2	2
128	Numerical investigation on deposition rate of mechanically mixed ash particles in an entrained flow reactor. Asia-Pacific Journal of Chemical Engineering, 2021, 16, e2685.	1.5	2
129	A Mechanism Study on the Decomposition of Sulfate in Zhundong Coal with High Sulfur Content in Coal Ash. , 2016, , 101-106.		1
130	Application of H ₂ and CO ₂ addition in driver section on shock tube ignition delay measurement. Asia-Pacific Journal of Chemical Engineering, 2019, 14, e2362.	1.5	1
131	Simulation and optimization of the particle agglomeration in an aerodynamic agglomerator using a CFD-PBM coupled model. International Journal of Modern Physics C, 2020, 31, 2050121.	1.7	1
132	Modeling Coal Swelling during Pyrolysis at Elevated Pressure by Using a Single Bubble Model: Validation and Application. Combustion Science and Technology, 2023, 195, 1138-1150.	2.3	1
133	A comparative study on the effects of NaOH and CaCl ₂ additives on dewatering properties and product characteristics of oily scum via hydrothermal treatment. Fuel, 2022, 310, 122398.	6.4	1
134	Effect of purified dust from CaC ₂ production and bottom ashes/slugs on slagging characteristic of Zhundong coal blend. Fuel, 2022, 326, 125028.	6.4	1
135	E303 Experimental Investigation of the Transformation of Pyridinic-nitrogen in Coal during Combustion by Means of Model Compounds. The Proceedings of the International Conference on Power Engineering (ICOPE), 2003, 2003.3, _3-313_-_3-315_.	0.0	0
136	ICOPE-15-C096 Cellular automata simulation for high temperature oxidation and sulfuration of water wall materials. The Proceedings of the International Conference on Power Engineering (ICOPE), 2015, 2015.12, _ICOPE-15--ICOPE-15-.	0.0	0
137	Thermogravimetric Analysis and Kinetic Calculation on the Combustion Characteristics of Two Typical Shenhua Chars. Advances in Transdisciplinary Engineering, 2021, , .	0.1	0
138	Optimization of Dechlorination Experiment Design Using Lightweight Deep Learning Model. Computational Intelligence and Neuroscience, 2022, 2022, 1-10.	1.7	0
139	The migration and transformation characteristics of particulate matter and trace elements in a cement plant. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 5978-5990.	2.3	0