

Zhichao Chen

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Numerical analysis on effect of blend ratio on co-combustion characteristics of semi-coke and bituminous coal in swirl burner. <i>Combustion Science and Technology</i> , 2024, 196, 504-523.	1.2	1
2	Study on the Physical, Chemical and Combustion Characteristics of Pyrolysis Semi-coke. <i>Combustion Science and Technology</i> , 2023, 195, 434-455.	1.2	3
3	Influence of air ratio on combustion and NO _x emission characteristics of pulverized coal industrial boiler. <i>Combustion Science and Technology</i> , 2023, 195, 2972-2984.	1.2	1
4	Wear Surface Studies on Ejector-nozzle in Circulating Fluidized-Bed Gasifier. <i>Combustion Science and Technology</i> , 2022, 194, 1168-1182.	1.2	1
5	Effects of the gas/particle flow and combustion characteristics on water-wall temperature and energy conversion in a supercritical down-fired boiler at different secondary-air distributions. <i>Energy</i> , 2022, 238, 121983.	4.5	6
6	Effects of the air-staging degree on performances of a supercritical down-fired boiler at low loads: Air/particle flow, combustion, water wall temperature, energy conversion and NO emissions. <i>Fuel</i> , 2022, 308, 121896.	3.4	11
7	Effect of inner and outer secondary air ratios on ignition, C and N conversion process of pulverized coal in swirl burner under sub-stoichiometric ratio. <i>Energy</i> , 2022, 239, 122423.	4.5	6
8	Numerical analysis of an 80,000 Nm ³ /h fly ash entrained-flow gasifier at various burner inclination angles. <i>Environmental Science and Pollution Research</i> , 2022, 29, 26726-26737.	2.7	2
9	Impact of radial air staging on gas-particle flow characteristics in an industrial pulverized coal boiler. <i>Energy</i> , 2022, 243, 123123.	4.5	8
10	Analysis of comprehensive utilization of waste tire pyrolysis char by combustion method. <i>Fuel</i> , 2022, 312, 122996.	3.4	12
11	Investigation on co-combustion of coal gasification fine ash and raw coal blends: Thermal conversion, gas pollutant emission and kinetic analyses. <i>Energy</i> , 2022, 246, 123368.	4.5	19
12	Physicochemical structure, combustion characteristics and SiO ₂ properties of entrained flow gasification ash. <i>Energy</i> , 2022, 251, 123930.	4.5	12
13	Evaluation of wide-range coal combustion performance of a novel down-fired combustion technology based on gas–solid two-phase flow characteristics. <i>Energy</i> , 2022, 248, 123662.	4.5	3
14	Effect of secondary air mass flow rate ratio on the slagging characteristics of the pre-combustion chamber in industrial pulverized coal-fired boiler. <i>Energy</i> , 2022, 251, 123860.	4.5	8
15	Industrial measurement of combustion and NO _x formation characteristics on a low-grade coal-fired 600MWe FW down-fired boiler retrofitted with novel low-load stable combustion technology. <i>Fuel</i> , 2022, 321, 123926.	3.4	17
16	Improving mixing and gasification characteristics in an industrial-scale entrained flow gasifier with a novel burner. <i>Journal of Cleaner Production</i> , 2022, 362, 132157.	4.6	2
17	Structure and reactivity of residual carbon from circulating fluidized bed coal gasification fine ash. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107759.	3.3	6
18	Sustainable utilization method of using coal gasification fine ash to prepare activated carbon for supercapacitor. <i>Journal of Cleaner Production</i> , 2022, 363, 132524.	4.6	22

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19	Combustion and NO formation characteristics from a 330 MWe retrofitted anthracite-fired utility boiler with swirl burner under deeply-staged-combustion. <i>Energy</i> , 2022, 258, 124832.	4.5	8
20	Experimental investigation on controlling of airflow trajectories and flow-field of down-fired boiler by adding on arch secondary air. <i>International Journal of Chemical Reactor Engineering</i> , 2022, .	0.6	0
21	Industrial-scale investigations on effects of tertiary-air declination angle on combustion and steam temperature characteristics in a 350-MW supercritical down-fired boiler. <i>Frontiers in Energy</i> , 2021, 15, 132-142.	1.2	4
22	Effect of Different Nozzle Arrangements on Gasâ€“solid Flow Characteristics of a New Air Distribution System Circulating Fluidized Bed. <i>Combustion Science and Technology</i> , 2021, 193, 1661-1678.	1.2	2
23	Kinetics, thermodynamics and gas evolution of atmospheric circulating fluidized bed coal gasification fly ash combustion in air atmosphere. <i>Fuel</i> , 2021, 290, 119810.	3.4	21
24	Experimental air/particle flow characteristics of an 80,000 Nm ³ /h fly ash entrained-flow gasifier with different multi-burner arrangements. <i>Energy</i> , 2021, 215, 119160.	4.5	8
25	Influence of mass air flow ratio on gas-particle flow characteristics of a swirl burner in a 29 MW pulverized coal boiler. <i>Frontiers in Energy</i> , 2021, 15, 68-77.	1.2	8
26	Effects of the fuel-lean coal/air flow damper opening on combustion, energy conversion and emissions in a supercritical down-fired boiler. <i>Fuel</i> , 2021, 292, 120319.	3.4	12
27	Combustion stability, burnout and NO emissions of the 300-MW down-fired boiler with bituminous coal: Load variation and low-load comparison with anthracite. <i>Fuel</i> , 2021, 295, 120641.	3.4	27
28	Study on pore and chemical structure characteristics of atmospheric circulating fluidized bed coal gasification fly ash. <i>Journal of Cleaner Production</i> , 2021, 308, 127395.	4.6	32
29	The application of thermal-calculation methods in the design and syngas prediction of entrained-flow coal gasifiers. <i>Energy Conversion and Management</i> , 2021, 245, 114627.	4.4	3
30	Influence of inner and outer secondary air ratio on flow and combustion characteristics of a swirl burner in a 29 MW pulverized coal boiler. <i>Energy</i> , 2021, 237, 121625.	4.5	6
31	Effects of flotation and acid treatment on unburned carbon recovery from atmospheric circulating fluidized bed coal gasification fine ash and application evaluation of residual carbon. <i>Waste Management</i> , 2021, 136, 283-294.	3.7	35
32	Achievement in ultra-low-load combustion stability for an anthracite- and down-fired boiler after applying novel swirl burners: From laboratory experiments to industrial applications. <i>Energy</i> , 2020, 192, 116623.	4.5	38
33	The application of fly ash gasification for purifying the raw syngas in an industrial-scale entrained flow gasifier. <i>Energy</i> , 2020, 195, 117069.	4.5	10
34	Numerical simulation investigations into the influence of the mass ratio of pulverized-coal in fuel-rich flow to that in fuel-lean flow on the combustion and NO _x generation characteristics of a 600-MW down-fired boiler. <i>Environmental Science and Pollution Research</i> , 2020, 27, 16900-16915.	2.7	4
35	Numerical investigation on the influence of nozzleâ€“organizationâ€“mode of split burner on flow field distribution and combustion characteristics of a 300 MWe subcritical down-fired boiler. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2019, 14, e2365.	0.8	4
36	Numerical simulation study on the influences of the secondary-tertiary air proportion on the airflow mixing effects and pulverized coal combustion characteristics in a 300-MW down-fired boiler. <i>Chemical Engineering Research and Design</i> , 2019, 130, 326-343.	2.7	5

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37	Numerical Research on the Influence of Declination Angle on Carrying Capacity of Tertiary Air, Ignition, and Combustion Characteristics of Pulverized Coal of 300MW Down-Fired Utility Boiler with Multi-Injection and Multi-Staging Combustion Technology. Journal of Energy Engineering - ASCE, 2019, 145, .	1.0	4
38	Experimental investigation of gas/particle two-phase flow characteristics in a down-fired boiler by PDA measurements. Experimental Thermal and Fluid Science, 2019, 107, 38-53.	1.5	15
39	Detailed gas/particle flow characteristics of an improved down-fired boiler with respect to a critical factor affecting coal burnout: Vent-air inclination angle. Energy, 2019, 182, 570-584.	4.5	11
40	An innovative combustion technology for a down-fired boiler with swirl burners: Gas/solid flow characteristics with various burner injection angles. Journal of Cleaner Production, 2019, 228, 1296-1310.	4.6	7
41	Experimental characterization of anthracite combustion and NO emission for a 300-MWe down-fired boiler with a novel combustion system: Influence of primary and vent air distributions. Applied Energy, 2019, 238, 1551-1562.	5.1	41
42	Thermal-calculation method for entrained-flow coal gasifiers. Energy, 2019, 166, 373-379.	4.5	7
43	Reducing the unburned combustible in the fly ash from a 45,000Nm ³ /h Ende Pulverized-Coal Gasifier by applying steam-solid ejector. Applied Thermal Engineering, 2019, 149, 34-40.	3.0	19
44	Effects of OFA Ratio on Coal Combustion and NO _x Generation of a 600-MW Downfired Boiler after Changing Air Distribution around Fuel-Rich Flow. Journal of Energy Engineering - ASCE, 2019, 145, 04018073.	1.0	3
45	Thermal decomposition mechanisms of coal and coal chars under CO ₂ atmosphere using a distributed activation energy model. Thermochemica Acta, 2018, 662, 41-46.	1.2	18
46	Influence of primary air cone length on combustion characteristics and NO emissions of a swirl burner from a 0.5MW pulverized coal-fired furnace with air staging. Applied Energy, 2018, 211, 1179-1189.	5.1	26
47	Influence of reference temperature on the thermal stress of slag-layer cooling in an atmospheric entrained-flow gasifier with high-speed circulating gasification agent. Applied Thermal Engineering, 2018, 131, 446-454.	3.0	10
48	Aerodynamic characteristics of a 350-MWe supercritical utility boiler with multi-injection and multi-staging: Effects of the inner and outer secondary air distribution in the burner. Journal of the Energy Institute, 2018, 91, 65-74.	2.7	13
49	Effects of tertiary air damper opening on flow, combustion and hopper near-wall temperature of a 600 MWe down-fired boiler with improved multiple-injection multiple-staging technology. Journal of the Energy Institute, 2018, 91, 573-583.	2.7	14
50	Influence of the mass ratio of pulverized-coal in fuel-rich flow to that in fuel-lean flow on the gas/particle flow and particle distribution characteristics in a 600 MWe down-fired boiler. Experimental Thermal and Fluid Science, 2018, 91, 363-373.	1.5	11
51	Effects of secondary air distribution in primary combustion zone on combustion and NO emissions of a large-scale down-fired boiler with air staging. Energy, 2018, 165, 399-410.	4.5	22
52	Experimental investigations on air/particle flow characteristics in a 2000 t/d GSP pulverized coal gasifier with an improved burner. Energy, 2018, 165, 432-441.	4.5	22
53	Promotion of Anthracite Burnout for a 300 MW _e Down-Fired Boiler with a Novel Combustion Technology. Energy & Fuels, 2018, 32, 11924-11935.	2.5	12
54	PDA research on the air/particle flow characteristics in a 2000t/d GSP pulverized coal gasifier at different swirl vane angles. Fuel Processing Technology, 2018, 173, 216-228.	3.7	12

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55	Industrial Experiments on Anthracite Combustion and NO _x Emissions with Respect to Swirling Secondary Air for a 300 MWe Deep-Air-Staged Down-Fired Utility Boiler. Energy & Fuels, 2018, 32, 7878-7887.	2.5	12
56	Application of eccentric-swirl-secondary-air combustion technology for high-efficiency and low-NO _x performance on a large-scale down-fired boiler with swirl burners. Applied Energy, 2018, 223, 358-368.	5.1	63
57	Effect of outer secondary-air vane angle on the flow and combustion characteristics and NO formation of the swirl burner in a 300-MW low-volatile coal-fired boiler with deep air staging. Journal of the Energy Institute, 2017, 90, 239-256.	2.7	35
58	Factors affecting the downward flame depth in a 600MW down-fired boiler incorporating multiple-injection and multiple-staging technology. Energy, 2017, 118, 333-344.	4.5	24
59	Effect of outer secondary air vane angles on combustion characteristics and NO emissions for centrally fuel rich swirl burner in a 600-MWe wall-fired pulverized-coal utility boiler. Applied Thermal Engineering, 2017, 125, 951-962.	3.0	19
60	Anthracite combustion characteristics and NO _x formation of a 300 MWe down-fired boiler with swirl burners at different loads after the implementation of a new combustion system. Applied Energy, 2017, 189, 133-141.	5.1	48
61	Effects of the inner secondary air damper opening on flow and combustion in a 600MW down-fired boiler incorporating multiple injection and multiple staging. Asia-Pacific Journal of Chemical Engineering, 2017, 12, 475-488.	0.8	7
62	Industrial-scale investigations of anthracite combustion characteristics and NO emissions in a retrofitted 300 MWe down-fired utility boiler with swirl burners. Applied Energy, 2017, 202, 169-177.	5.1	34
63	Experiment and numerical simulation investigations of the combustion and NO _x emissions characteristics of an over-fire air system in a 600 MWe boiler. Numerical Heat Transfer; Part A: Applications, 2017, 71, 944-961.	1.2	6
64	Combustion characteristics and NO formation of a retrofitted low-volatile coal-fired 330 MW utility boiler under various loads with deep-air-staging. Applied Thermal Engineering, 2017, 110, 223-233.	3.0	61
65	Effect of different inner secondary-air vane angles on combustion characteristics of primary combustion zone for a down-fired 300-MWe utility boiler with overfire air. Applied Energy, 2016, 182, 29-38.	5.1	38
66	Numerical simulation of the combustion characteristics and NO emission of a swirl burner: Influence of the structure of the burner outlet. Applied Thermal Engineering, 2016, 104, 565-576.	3.0	27
67	Industrial Application of an Improved Multiple Injection and Multiple Staging Combustion Technology in a 600 MWe Supercritical Down-Fired Boiler. Environmental Science & Technology, 2016, 50, 1604-1610.	4.6	54
68	Effect of inner secondary air cone length of a centrally fuel-rich swirl burner on combustion characteristics and NO _x emissions in a 0.5MW pulverized coal-fired furnace with air staging. Asia-Pacific Journal of Chemical Engineering, 2015, 10, 411-421.	0.8	6
69	Effect of secondary air mass flow rate on the airflow and combustion characteristics and NO _x formation of the low-volatile coal-fired swirl burner. Asia-Pacific Journal of Chemical Engineering, 2015, 10, 858-875.	0.8	10
70	Effects of the outer secondary air cone length on the combustion characteristics and NO _x emissions of the swirl burner in a 0.5MW pilot-scale facility during air-staged combustion. Applied Thermal Engineering, 2015, 86, 318-325.	3.0	13
71	Numerical simulations of flow, combustion characteristics, and NO _x emission for down-fired boiler with different arch-supplied over-fire air ratios. Applied Thermal Engineering, 2015, 75, 1034-1045.	3.0	45
72	Experimental investigation into pulverized-coal combustion performance and NO formation using sub-stoichiometric ratios. Energy, 2014, 73, 844-855.	4.5	19

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73	Effects of particle concentration variation in the primary air duct on combustion characteristics and NO _x emissions in a 0.5-MW test facility with pulverized coal swirl burners. Applied Thermal Engineering, 2014, 73, 859-868.	3.0	18
74	Influence of different swirl vane angles of over fire air on flow and combustion characteristics and NO _x emissions in a 600-MWe utility boiler. Energy, 2014, 74, 775-787.	4.5	35
75	Effect of the arch-supplied over-fire air ratio on gas/solid flow characteristics of a down-fired boiler. Energy, 2014, 70, 95-109.	4.5	8
76	Influence of different oil feed rate on bituminous coal ignition in a full-scale tiny-oil ignition burner. Frontiers in Energy, 2013, 7, 406-412.	1.2	2
77	Effect of angle of arch-supplied overfire air on flow, combustion characteristics and NO emissions of a down-fired utility boiler. Energy, 2013, 59, 377-386.	4.5	16
78	New over-fire air arrangement and its air ratio optimization determined by aerodynamic characteristics in a cold small-scale model for a down-fired 660-MWe utility boiler. Experimental Thermal and Fluid Science, 2013, 44, 475-482.	1.5	10
79	Effect of the Air Temperature on Combustion Characteristics and NO _x Emissions from a 0.5 MW Pulverized Coal-Fired Furnace with Deep Air Staging. Energy & Fuels, 2012, 26, 2068-2074.	2.5	21
80	Aerodynamic characteristics within a cold small-scale model for a down-fired 350-MWe supercritical utility boiler at various primary air to vent air ratios. Energy, 2012, 47, 294-301.	4.5	8
81	Numerical simulation of bituminous coal combustion in a fullscale tiny-oil ignition burner: Influence of excess air ratio. Frontiers in Energy, 2012, 6, 296-303.	1.2	4
82	Numerical Simulation of Flow, Combustion, and NO _x Emission Characteristics in a 300 MW Down-Fired Boiler with Different OFA Ratios. Numerical Heat Transfer; Part A: Applications, 2012, 62, 231-249.	1.2	20
83	Influence of staged-air flow on flow characteristics in a scale model of a down-fired utility boiler with swirl burners: An experimental study. Fuel, 2012, 93, 160-166.	3.4	16
84	Effect of the anthracite ratio of blended coals on the combustion and NO _x emission characteristics of a retrofitted down-fired 660-MWe utility boiler. Applied Energy, 2012, 95, 196-201.	5.1	63
85	Gas-Particle Flow Characteristics of a Centrally-Fuel-Rich Primary Air Burner: Simulation and Experiment. , 2011, , .		0
86	Influence of different cover ratios on Gas-particle flow characteristics of a centrally-fuel-rich primary air burner: experiment and simulation. Procedia Environmental Sciences, 2011, 11, 1513-1521.	1.3	1
87	Influence of the outer secondary air vane angle on the gas/particle flow characteristics near the double swirl flow burner region. Energy, 2011, 36, 258-267.	4.5	29
88	Combustion and NO _x emissions characteristics of a down-fired 660-MWe utility boiler retro-fitted with air-surrounding-fuel concept. Energy, 2011, 36, 70-77.	4.5	53
89	Gas/particle flow and combustion characteristics and NO _x emissions of a new swirl coal burner. Energy, 2011, 36, 709-723.	4.5	48
90	Influence of the mass flow rate of secondary air on the gas/particle flow characteristics in the near-burner region of a double swirl flow burner. Chemical Engineering Science, 2011, 66, 2864-2871.	1.9	14

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91	Combustion and NO _x emission characteristics of a retrofitted down-fired 660MWe utility boiler at different loads. <i>Applied Energy</i> , 2011, 88, 2400-2406.	5.1	301
92	Concentrator performance within a centrally fuel-rich primary air burner: Influence of multiple levels. <i>Energy</i> , 2011, 36, 4041-4047.	4.5	6
93	Influence of primary air ratio on flow and combustion characteristics and NO _x emissions of a new swirl coal burner. <i>Energy</i> , 2011, 36, 1206-1213.	4.5	36
94	The influence of distance between adjacent rings on the gas/particle flow characteristics of a conical rings concentrator. <i>Energy</i> , 2011, 36, 2557-2564.	4.5	6
95	The Influence of Air Distribution on the Single-Phase Flow Field of Central Fuel Rich Swirl Burner. , 2011, , .		0
96	Improving the Combustion Performance of a 660MWe Down-Fired Utility Boiler by Adopting High Efficiency Combustion Technologies. , 2011, , .		1
97	Influence of 90-Degree Vertical to Horizontal Elbow on Gas-Particle Flow Characteristics of a Centrally-Fuel-Rich Primary Air Burner. , 2011, , .		0
98	10.2478/s11814-009-0216-5. , 2011, 26, 1186.		0
99	Influence of oil atomized air on flow and combustion characteristics in a 300 MW _e down-fired boiler. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2010, 5, 488-496.	0.8	10
100	Bituminous coal combustion in a full-scale start-up ignition burner: Influence of the excess air ratio. <i>Energy</i> , 2010, 35, 4102-4106.	4.5	22
101	Measurement of gas species, temperatures, char burnout, and wall heat fluxes in a 200-MWe lignite-fired boiler at different loads. <i>Applied Energy</i> , 2010, 87, 1217-1230.	5.1	37
102	Influence of declivitous secondary air on combustion characteristics of a down-fired 300-MWe utility boiler. <i>Fuel</i> , 2010, 89, 410-416.	3.4	47
103	Influence of coal-feed rates on bituminous coal ignition in a full-scale tiny-oil ignition burner. <i>Fuel</i> , 2010, 89, 1690-1694.	3.4	26
104	Influence of outer secondary-air vane angle on combustion characteristics and NO _x emissions of a down-fired pulverized-coal 300MWe utility boiler. <i>Fuel</i> , 2010, 89, 1525-1533.	3.4	49
105	Study of the influence of vane angle on flow, gas species, temperature, and char burnout in a 200MWe lignite-fired boiler. <i>Fuel</i> , 2010, 89, 1973-1984.	3.4	10
106	Fractal and turbulence characteristics of aerodynamic fields of swirl burners. <i>Chemical Engineering Science</i> , 2010, 65, 1253-1260.	1.9	12
107	Influence of the Outer Secondary Air Vane Angle on the Flow Field of a Down-Fired Pulverized-Coal 300 MWe Utility Boiler with Swirl Burners. <i>Energy & Fuels</i> , 2010, 24, 3884-3889.	2.5	9
108	Influence of Different Outer Secondary Air Vane Angles on Flow and Combustion Characteristics and NO _x Emissions of a New Swirl Coal Burner. <i>Energy & Fuels</i> , 2010, 24, 346-354.	2.5	28

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109	Experimental Investigations into Gas/Particle Flows in a Down-Fired Boiler: Influence of the Vent Air Ratio. <i>Energy & Fuels</i> , 2010, 24, 1592-1602.	2.5	29
110	Improved NO _x Emissions and Combustion Characteristics for a Retrofitted Down-fired 300-MW Utility Boiler. <i>Environmental Science & Technology</i> , 2010, 44, 3926-3931.	4.6	87
111	Experimental Investigations into Gas/Particle Flows in a Down-Fired Boiler: Influence of Secondary Air Momentum. <i>Energy & Fuels</i> , 2010, 24, 3498-3509.	2.5	5
112	Influence of Staged-Air on Combustion Characteristics and NO _x Emissions of a 300 MWe Down-Fired Boiler with Swirl Burners. <i>Energy & Fuels</i> , 2010, 24, 38-45.	2.5	36
113	Influence of the Overfire Air Ratio on the NO _x Emission and Combustion Characteristics of a down-Fired 300-MW Utility Boiler. <i>Environmental Science & Technology</i> , 2010, 44, 6510-6516.	4.6	44
114	Numerical Simulation of Low NO _x Combustion Technology in a 100 MW Bituminous Coal-Fired Wall Boiler. <i>Numerical Heat Transfer; Part A: Applications</i> , 2009, 55, 574-593.	1.2	13
115	Gas/particle flow characteristics of two swirl burners. <i>Energy Conversion and Management</i> , 2009, 50, 1180-1191.	4.4	39
116	Study on flow fields of centrally fuel rich swirl burner and its applications. <i>Korean Journal of Chemical Engineering</i> , 2009, 26, 1186-1193.	1.2	10
117	Analysis of coals and biomass pyrolysis using the distributed activation energy model. <i>Bioresource Technology</i> , 2009, 100, 948-952.	4.8	69
118	Effect of the Fuel Bias Distribution in the Primary Air Nozzle on the Slagging near a Swirl Coal Burner Throat. <i>Energy & Fuels</i> , 2009, 23, 4893-4899.	2.5	17
119	Experimental Investigations into Gas/Particle Flows in a Down-Fired Boiler: Influence of Down-Draft Secondary Air. <i>Energy & Fuels</i> , 2009, 23, 5846-5854.	2.5	12
120	Measurement of Gas Species, Temperatures, Coal Burnout, and Wall Heat Fluxes in a 200 MWe Lignite-Fired Boiler with Different Overfire Air Damper Openings. <i>Energy & Fuels</i> , 2009, 23, 3573-3585.	2.5	15
121	Influence of the Down-Draft Secondary Air on the Furnace Aerodynamic Characteristics of a Down-Fired Boiler. <i>Energy & Fuels</i> , 2009, 23, 2437-2443.	2.5	36
122	Gas/particle flow characteristics of a centrally fuel rich swirl coal combustion burner. <i>Fuel</i> , 2008, 87, 2102-2110.	3.4	40
123	The influence of fuel bias in the primary air duct on the gas/particle flow characteristics near the swirl burner region. <i>Fuel Processing Technology</i> , 2008, 89, 958-965.	3.7	31
124	Combustion Characteristics and NO _x Emissions of Two Kinds of Swirl Burners in a 300-MW Wall-Fired Pulverized-Coal Utility Boiler. <i>Combustion Science and Technology</i> , 2008, 180, 1370-1394.	1.2	32
125	Experiment Investigations on the Performance of a Centrally Fuel Rich Swirl Coal Combustion Burner: Influence of Primary Air Ratio. <i>International Journal of Chemical Reactor Engineering</i> , 2008, 6, .	0.6	5
126	The Impact of the PDA Measurement Method in Forward Scatter on The Concentration of Gas-Particle Two Phase Flow. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	1

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127	Influence of the Secondary Air-Box Damper Opening on Airflow and Combustion Characteristics of a Down-Fired 300-MWe Utility Boiler. <i>Energy & Fuels</i> , 2007, 21, 668-676.	2.5	49
128	Industrial-scale Investigations on Combustion Characteristics and NO _x Emissions of a 300-MWe Down-fired Boiler: Bituminous Coal Combustion and Coal Varieties Comparison. <i>Combustion Science and Technology</i> , 0, , 1-20.	1.2	5
129	The Effect of the Ratio of the Secondary and Tertiary Air on the Outlet Velocity Field of the New Swirling Pulverized Coal Burner. <i>Combustion Science and Technology</i> , 0, , 1-14.	1.2	1