

Zhihua Wang

List of Publications by Year in descending order

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150
papers

4,982
citations

87888

38
h-index

118850

62
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all docs

150
docs citations

150
times ranked

3061
citing authors

#	ARTICLE	IF	CITATIONS
1	Synergistic effect for simultaneously catalytic ozonation of chlorobenzene and NO over MnCoO catalysts: Byproducts formation under practical conditions. Chemical Engineering Journal, 2022, 427, 130929.	12.7	21
2	Promotion effect of activated carbon, coal char and graphite on lignite microwave dehydration process. Journal of Analytical and Applied Pyrolysis, 2022, 161, 105380.	5.5	8
3	A review on removal of mercury from flue gas utilizing existing air pollutant control devices (APCDs). Journal of Hazardous Materials, 2022, 427, 128132.	12.4	58
4	A novel double metal ions-double oxidants coactivation system for NO and SO ₂ simultaneous removal. Chemical Engineering Journal, 2022, 432, 134398.	12.7	27
5	The interaction between microwave and coal: A discussion on the state-of-the-art. Fuel, 2022, 314, 123140.	6.4	12
6	A thermally activated double oxidants advanced oxidation system for gaseous H ₂ S removal: Mechanism and kinetics. Chemical Engineering Journal, 2022, 434, 134430.	12.7	26
7	Efficient degradation of multiple Cl-VOCs by catalytic ozonation over MnO catalysts with different supports. Chemical Engineering Journal, 2022, 435, 134807.	12.7	33
8	Comparative Study of Four Chemometric Methods for the Quantitative Analysis of the Carbon Content in Coal by Laser-Induced Breakdown Spectroscopy Technology. ACS Omega, 2022, 7, 9443-9451.	3.5	2
9	Catalytic Decomposition of Residual Ozone over Cactus-like MnO ₂ Nanosphere: Synergistic Mechanism and SO ₂ /H ₂ O Interference. ACS Omega, 2022, 7, 9818-9833.	3.5	11
10	<sc>LCA</sc> comparison analysis for two types of <sc>H₂</sc> carriers: Methanol and ammonia. International Journal of Energy Research, 2022, 46, 11818-11833.	4.5	5
11	Catalytic ozonation of CH ₂ Cl ₂ over hollow urchin-like MnO ₂ with regulation of active oxygen by catalyst modification and ozone promotion. Journal of Hazardous Materials, 2022, 436, 129217.	12.4	18
12	Three-Dimensional Direct Numerical Simulation of Near-Field Ozone-Enhanced Lean Premixed Syngas Turbulent Jet Flame. Energies, 2022, 15, 3945.	3.1	0
13	A projection procedure to obtain adiabatic flames from non-adiabatic flames using heat flux method. Proceedings of the Combustion Institute, 2021, 38, 2143-2151.	3.9	3
14	Effects of gas preheat temperature on soot formation in co-flow methane and ethylene diffusion flames. Proceedings of the Combustion Institute, 2021, 38, 1225-1232.	3.9	15
15	Ignition, puffing and sooting characteristics of kerosene droplet combustion under sub-atmospheric pressure. Fuel, 2021, 285, 119182.	6.4	8
16	Experimental and kinetic modeling study of NO formation in premixed CH ₄ +O ₂ +N ₂ flames. Combustion and Flame, 2021, 223, 349-360.	5.2	33
17	Dynamic zinc and potassium release from a burning hyperaccumulator pellet and their interactions with inhibitive additives. Fuel, 2021, 286, 119365.	6.4	9
18	Interplay effect on simultaneous catalytic oxidation of NO and toluene over different crystal types of MnO ₂ catalysts. Proceedings of the Combustion Institute, 2021, 38, 5433-5441.	3.9	20

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19	Comparative Investigation on Chlorobenzene Oxidation by Oxygen and Ozone over a $\text{MnO}_x/\text{Al}_2\text{O}_3$ Catalyst in the Presence of SO_2 . Environmental Science & Technology, 2021, 55, 3341-3351.	10.0	59
20	Simulation and Economic Research of Circulating Cooling Water Waste Heat and Water Resource Recovery System. Energies, 2021, 14, 2496.	3.1	5
21	Impact of Pyrolysis Products on n -Decane Laminar Flame Speeds Investigated through Experimentation and Kinetic Simulations. Energy & Fuels, 2021, 35, 8194-8204.	5.1	2
22	Enhancement of lignite microwave dehydration by cationic additives. Fuel, 2021, 289, 119985.	6.4	10
23	A review on arsenic removal from coal combustion: Advances, challenges and opportunities. Chemical Engineering Journal, 2021, 414, 128785.	12.7	68
24	Review on Removal of SO_2 , NO_x , Mercury, and Arsenic from Flue Gas Using Green Oxidation Absorption Technology. Energy & Fuels, 2021, 35, 9775-9794.	5.1	34
25	Characteristics and evolution of products under moderate and high temperature coal pyrolysis in drop tube furnace. Journal of the Energy Institute, 2021, 96, 121-127.	5.3	10
26	Interactive Effects in Two-Droplets Combustion of RP-3 Kerosene under Sub-Atmospheric Pressure. Processes, 2021, 9, 1229.	2.8	7
27	Structure and combustion characteristics of semi-cokes from a pilot-scale entrained flow gasifier using oxygen-enriched air. Journal of the Energy Institute, 2021, 97, 80-91.	5.3	17
28	Effects of the Gas Preheat Temperature and Nitrogen Dilution on Soot Formation in Co-flow Methane, Ethane, and Propane Diffusion Flames. Energy & Fuels, 2021, 35, 7169-7178.	5.1	11
29	Investigation of Hydrogen Content and Dilution Effect on Syngas/Air Premixed Turbulent Flame Using OH Planar Laser-Induced Fluorescence. Processes, 2021, 9, 1894.	2.8	4
30	Effects of CO_2 Dilution and CH_4 Addition on Laminar Burning Velocities of Syngas at Elevated Pressures: An Experimental and Modeling Study. Energy & Fuels, 2021, 35, 18733-18745.	5.1	5
31	Decomposition of N_2O on ZIF-67-Derived Co/CoO_x @Carbon Catalysts and SO_2 Interference. Energy & Fuels, 2021, 35, 18664-18679.	5.1	4
32	Catalytic and Sulfur-Tolerant Performance of Bimetallic $\text{Ni}\text{--}\text{Ru}$ Catalysts on HI Decomposition in the Sulfur-Iodine Cycle for Hydrogen Production. Energies, 2021, 14, 8539.	3.1	0
33	Laminar burning velocities of $\text{CH}_4/\text{O}_2/\text{N}_2$ and oxygen-enriched $\text{CH}_4/\text{O}_2/\text{CO}_2$ flames at elevated pressures measured using the heat flux method. Fuel, 2020, 259, 116152.	6.4	48
34	Experimental study of potassium release during biomass-pellet combustion and its interaction with inhibitive additives. Fuel, 2020, 260, 116346.	6.4	27
35	Flue gas treatment with ozone oxidation: An overview on NO , organic pollutants, and mercury. Chemical Engineering Journal, 2020, 382, 123030.	12.7	129
36	MnO fabrication with rational design of morphology for enhanced activity in NO oxidation and SO_2 resistance. Applied Surface Science, 2020, 503, 144064.	6.1	28

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37	High-Performance Pt Catalyst with Graphene/Carbon Black as a Hybrid Support for SO ₂ Electrochemical Oxidation. Langmuir, 2020, 36, 20-27.	3.5	13
38	Experimental study and kinetic analysis of the laminar burning velocity of NH ₃ /syngas/air, NH ₃ /CO/air and NH ₃ /H ₂ /air premixed flames at elevated pressures. Combustion and Flame, 2020, 221, 270-287.	5.2	141
39	High-temperature pyrolysis behavior of two different rank coals in fixed-bed and drop tube furnace reactors. Journal of the Energy Institute, 2020, 93, 2271-2279.	5.3	20
40	Kinetics and Mechanisms of Metal Chlorides Catalysis for Coal Char Gasification with CO ₂ . Catalysts, 2020, 10, 715.	3.5	4
41	Review on Magnetic Adsorbents for Removal of Elemental Mercury from Flue Gas. Energy & Fuels, 2020, 34, 13473-13490.	5.1	51
42	Reduced chemical reaction mechanisms for simulating sodium emissions by solid-fuel combustion. Applications in Energy and Combustion Science, 2020, 1-4, 100009.	1.5	1
43	The Influence of Anionic Additives on the Microwave Dehydration Process of Lignite. Energy & Fuels, 2020, 34, 9401-9410.	5.1	11
44	SO ₂ Electrochemical Oxidation Properties of Pt-Ru/C Bimetallic Catalysts with Different Nanostructures. Langmuir, 2020, 36, 3111-3118.	3.5	5
45	A novel flame energy grading conversion system: Preliminary experiment and thermodynamic parametric analysis. International Journal of Energy Research, 2020, 44, 2084-2099.	4.5	11
46	Low temperature catalytic ozonation of toluene in flue gas over Mn-based catalysts: Effect of support property and SO ₂ /water vapor addition. Applied Catalysis B: Environmental, 2020, 266, 118662.	20.2	93
47	Comparative investigation on catalytic ozonation of VOCs in different types over supported MnO catalysts. Journal of Hazardous Materials, 2020, 391, 122218.	12.4	106
48	Investigation of Dilution Effect on CH ₄ /Air Premixed Turbulent Flame Using OH and CH ₂ O Planar Laser-Induced Fluorescence. Energies, 2020, 13, 325.	3.1	1
49	Experimental and numerical study of the effect of elevated pressure on laminar burning velocity of lean H ₂ /CO/O ₂ /diluent flames. Fuel, 2020, 273, 117753.	6.4	16
50	Development of reduced and optimized reaction mechanism for potassium emissions during biomass combustion based on genetic algorithms. Energy, 2020, 211, 118565.	8.8	3
51	Measurement and kinetics of elemental and atomic potassium release from a burning biomass pellet. Proceedings of the Combustion Institute, 2019, 37, 2681-2688.	3.9	42
52	Metal chloride influence on syngas component during coal pyrolysis in fixed-bed and entrained flow drop-tube furnace. Science China Technological Sciences, 2019, 62, 2029-2037.	4.0	4
53	Co-precipitation Synthesized MnO _x -CeO ₂ Mixed Oxides for NO Oxidation and Enhanced Resistance to Low Concentration of SO ₂ by Metal Addition. Catalysts, 2019, 9, 519.	3.5	21
54	New oxy-fuel cascade thermo-photovoltaic energy conversion system: Effect of cascade design and oxygen ratio. Energy Conversion and Management, 2019, 196, 1208-1221.	9.2	18

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55	Effect of carbonization temperature on the grindability of carbonaceous material produced from different coals. Canadian Journal of Chemical Engineering, 2019, 97, 2653-2661.	1.7	2
56	Catalytic Effect of Metal Chloride Additives on the Volatile Gas Release Characteristics for High-Temperature Lignite Pyrolysis. Energy & Fuels, 2019, 33, 9437-9445.	5.1	12
57	NO _x Reduction in a 130 t/h Biomass-Fired Circulating Fluid Bed Boiler Using Coupled Ozonation and Wet Absorption Technology. Industrial & Engineering Chemistry Research, 2019, 58, 18134-18140.	3.7	9
58	United Conversion Process Coupling CO ₂ Mineralization with Thermochemical Hydrogen Production. Environmental Science & Technology, 2019, 53, 12091-12100.	10.0	3
59	Pyrolysis characteristics of low-rank coals based on double-gaussian distributed activation energy model. Canadian Journal of Chemical Engineering, 2019, 97, 2642-2652.	1.7	1
60	Experimental and kinetic modeling study of laminar burning velocities of NH ₃ /air, NH ₃ /H ₂ /air, NH ₃ /CO/air and NH ₃ /CH ₄ /air premixed flames. Combustion and Flame, 2019, 206, 214-226.	5.2	353
61	Numerical study of HCl and SO ₂ impact on potassium emissions in pulverized-biomass combustion. Fuel Processing Technology, 2019, 193, 19-30.	7.2	19
62	Numerical study of HCl and SO ₂ impact on sodium emissions in pulverized-coal flames. Fuel, 2019, 250, 315-326.	6.4	12
63	A superior liquid phase catalyst for enhanced absorption of NO ₂ together with SO ₂ after low temperature ozone oxidation for flue gas treatment. Fuel, 2019, 247, 1-9.	6.4	33
64	Effects of Nafion content in membrane electrode assembly on electrochemical Bunsen reaction in high electrolyte acidity. International Journal of Hydrogen Energy, 2019, 44, 11646-11654.	7.1	9
65	Investigation of NO Removal with Ozone Deep Oxidation in Na ₂ CO ₃ Solution. Energy & Fuels, 2019, 33, 4454-4461.	5.1	24
66	H ₂ SO ₄ poisoning of Ru-based and Ni-based catalysts for HI decomposition in Sulfur Iodine cycle for hydrogen production. International Journal of Hydrogen Energy, 2019, 44, 9771-9778.	7.1	6
67	Enhancement of NO oxidation activity and SO ₂ resistance over LaMnO ₃ + δ perovskites catalysts with metal substitution and acid treatment. Applied Surface Science, 2019, 479, 234-246.	6.1	34
68	High-temperature pyrolysis behavior of a bituminous coal in a drop tube furnace and further characterization of the resultant char. Journal of Analytical and Applied Pyrolysis, 2019, 137, 163-170.	5.5	18
69	The effects of gas flow pattern on the generation of ozone in surface dielectric barrier discharge. Plasma Science and Technology, 2019, 21, 055505.	1.5	13
70	Parametrization of the temperature dependence of laminar burning velocity for methane and ethane flames. Fuel, 2019, 239, 1028-1037.	6.4	57
71	The Benefits of Small Quantities of Nitrogen in the Oxygen Feed to Ozone Generators. Ozone: Science and Engineering, 2018, 40, 313-320.	2.5	6
72	Effect of the Pyrolysis Temperature on the Grindability of Semi-cokes Produced by Two Kinds of Low-Rank Coals. Energy & Fuels, 2018, 32, 1297-1308.	5.1	17

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73	Ozone Production Influenced by Increasing Gas Pressure in Multichannel Dielectric Barrier Discharge for Positive and Negative Pulse Modes. <i>Ozone: Science and Engineering</i> , 2018, 40, 228-236.	2.5	7
74	New pressurized WSGG model and the effect of pressure on the radiation heat transfer of H ₂ O/CO ₂ gas mixtures. <i>International Journal of Heat and Mass Transfer</i> , 2018, 121, 999-1010.	4.8	52
75	Characteristics of alkali species release from a burning coal/biomass blend. <i>Applied Energy</i> , 2018, 215, 523-531.	10.1	71
76	Multi-point LIBS measurement and kinetics modeling of sodium release from a burning Zhundong coal particle. <i>Combustion and Flame</i> , 2018, 189, 77-86.	5.2	47
77	Inhibition of sodium release from Zhundong coal via the addition of mineral additives: A combination of online multi-point LIBS and offline experimental measurements. <i>Fuel</i> , 2018, 212, 498-505.	6.4	27
78	Modelling alkali metal emissions in large-eddy simulation of a preheated pulverised-coal turbulent jet flame using tabulated chemistry. <i>Combustion Theory and Modelling</i> , 2018, 22, 203-236.	1.9	18
79	Volatile gas release characteristics of three typical Chinese coals under various pyrolysis conditions. <i>Journal of the Energy Institute</i> , 2018, 91, 1045-1056.	5.3	23
80	In Situ Measurements of the Release Characteristics and Catalytic Effects of Different Chemical Forms of Sodium during Combustion of Zhundong Coal. <i>Energy & Fuels</i> , 2018, 32, 6595-6602.	5.1	22
81	Reaction Mechanism Reduction for Ozone-Enhanced CH ₄ /Air Combustion by a Combination of Directed Relation Graph with Error Propagation, Sensitivity Analysis and Quasi-Steady State Assumption. <i>Energies</i> , 2018, 11, 1470.	3.1	7
82	SO ₃ decomposition over CuO/CeO ₂ based catalysts in the sulfur-iodine cycle for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 14876-14884.	7.1	15
83	Verification and Validation of a Low-Mach-Number Large-Eddy Simulation Code against Manufactured Solutions and Experimental Results. <i>Energies</i> , 2018, 11, 921.	3.1	2
84	Ozone Production with Dielectric Barrier Discharge from Air: The Influence of Pulse Polarity. <i>Ozone: Science and Engineering</i> , 2018, 40, 494-502.	2.5	26
85	Effect of hydrothermal dewatering on the pyrolysis characteristics of Chinese low-rank coals. <i>Applied Thermal Engineering</i> , 2018, 141, 70-78.	6.0	48
86	Catalytic effect of metal chlorides on coal pyrolysis and gasification part 1. Effects of acid washing on coal characteristics. <i>Thermochimica Acta</i> , 2018, 666, 41-50.	2.7	35
87	1.23 Energy and Air Pollution. , 2018, , 909-949.		24
88	Online-CPD-Coupled Large-Eddy Simulation of Pulverized-Coal Pyrolysis in a Hot Turbulent Nitrogen Jet. <i>Combustion Science and Technology</i> , 2017, 189, 103-131.	2.3	19
89	Study of the mechanism of the catalytic decomposition of hydrogen iodide (HI) over carbon materials for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 4977-4986.	7.1	7
90	Inhibition of Sodium Release from Zhundong Coal via the Addition of Mineral Additives: Online Combustion Measurement with Laser-Induced Breakdown Spectroscopy (LIBS). <i>Energy & Fuels</i> , 2017, 31, 1082-1090.	5.1	28

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91	Quantitative Measurement of Atomic Potassium in Plumes over Burning Solid Fuels Using Infrared-Diode Laser Spectroscopy. <i>Energy & Fuels</i> , 2017, 31, 2831-2837.	5.1	34
92	Effects of CH ₄ Content on NO Formation in One-Dimensional Adiabatic Flames Investigated by Saturated Laser-Induced Fluorescence and CHEMKIN Modeling. <i>Energy & Fuels</i> , 2017, 31, 3154-3163.	5.1	9
93	Catalyst tolerance to SO ₂ and water vapor of Mn based bimetallic oxides for NO deep oxidation by ozone. <i>RSC Advances</i> , 2017, 7, 25132-25143.	3.6	8
94	Pyrolysis Characteristics and Evolution of Char Structure during Pulverized Coal Pyrolysis in Drop Tube Furnace: Influence of Temperature. <i>Energy & Fuels</i> , 2017, 31, 4799-4807.	5.1	40
95	Measurement of atomic sodium release during pyrolysis and combustion of sodium-enriched Zhundong coal pellet. <i>Combustion and Flame</i> , 2017, 176, 429-438.	5.2	37
96	Effects of Near-Wall Air Application in a Pulverized-Coal 300 MW _e Utility Boiler on Combustion and Corrosive Gases. <i>Energy & Fuels</i> , 2017, 31, 10075-10081.	5.1	17
97	Catalytic effect of metal chlorides on coal pyrolysis and gasification part I. Combined TG-FTIR study for coal pyrolysis. <i>Thermochimica Acta</i> , 2017, 655, 331-336.	2.7	61
98	New weighted-sum-of-gray-gases model for typical pressurized oxy-fuel conditions. <i>International Journal of Energy Research</i> , 2017, 41, 2576-2595.	4.5	36
99	Large-eddy Simulation of Pilot-assisted Pulverized-coal Combustion in a Weakly Turbulent Jet. <i>Flow, Turbulence and Combustion</i> , 2017, 99, 531-550.	2.6	22
100	Promotional effect of spherical alumina loading with manganese-based bimetallic oxides on nitric-oxide deep oxidation by ozone. <i>Chinese Journal of Catalysis</i> , 2017, 38, 1270-1280.	14.0	18
101	Study on CuO-CeO ₂ /SiC catalysts in the sulfur-iodine cycle for hydrogen production. <i>International Journal of Energy Research</i> , 2016, 40, 1062-1072.	4.5	8
102	Catalytic deep oxidation of NO by ozone over MnO _x loaded spherical alumina catalyst. <i>Applied Catalysis B: Environmental</i> , 2016, 198, 100-111.	20.2	106
103	Catalytic performance and durability of Ni/AC for HI decomposition in sulfur-iodine thermochemical cycle for hydrogen production. <i>Energy Conversion and Management</i> , 2016, 117, 520-527.	9.2	19
104	Effect of raw material sources on activated carbon catalytic activity for HI decomposition in the sulfur-iodine thermochemical cycle for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 7854-7860.	7.1	21
105	Effects of the Equivalence Ratio and Reynolds Number on Turbulence and Flame Front Interactions by Direct Numerical Simulation. <i>Energy & Fuels</i> , 2016, 30, 6727-6737.	5.1	7
106	Pyrolysis behavior of a typical Chinese sub-bituminous Zhundong coal from moderate to high temperatures. <i>Fuel</i> , 2016, 185, 701-708.	6.4	100
107	Influences of Hydrothermal Modification on Nitrogen Thermal Conversion of Low-Rank Coals. <i>Energy & Fuels</i> , 2016, 30, 8125-8133.	5.1	8
108	Ozone production in parallel multichannel dielectric barrier discharge from oxygen and air: the influence of gas pressure. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 455203.	2.8	43

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109	N ₂ O ₅ Formation Mechanism during the Ozone-Based Low-Temperature Oxidation deNO _x Process. Energy & Fuels, 2016, 30, 5101-5107.	5.1	51
110	Optimization of microwave dewatering of an Indonesian lignite. Fuel Processing Technology, 2016, 144, 71-78.	7.2	25
111	Investigation of NO formation in premixed adiabatic laminar flames of H ₂ /CO syngas and air by saturated laser-induced fluorescence and kinetic modeling. Combustion and Flame, 2016, 164, 283-293.	5.2	28
112	Ceria substrate-oxide composites as catalyst for highly efficient catalytic oxidation of NO by O ₂ . Fuel, 2016, 166, 352-360.	6.4	61
113	Characteristics of O ₃ Oxidation for Simultaneous Desulfurization and Denitration with Limestone-Gypsum Wet Scrubbing: Application in a Carbon Black Drying Kiln Furnace. Energy & Fuels, 2016, 30, 2302-2308.	5.1	59
114	Catalytic oxidation of NO by O ₂ over CeO ₂ -MnO _x : SO ₂ poisoning mechanism. RSC Advances, 2016, 6, 31422-31430.	3.6	38
115	Improving the permittivity of Indonesian lignite with NaCl for the microwave dewatering enhancement of lignite with reduced fractal dimensions. Fuel, 2015, 162, 8-15.	6.4	49
116	Release characteristic of different classes of sodium during combustion of Zhun-Dong coal investigated by laser-induced breakdown spectroscopy. Science Bulletin, 2015, 60, 1927-1934.	9.0	27
117	Catalytic decomposition of sulfuric acid over CuO/CeO ₂ in the sulfur-iodine cycle for hydrogen production. International Journal of Hydrogen Energy, 2015, 40, 2099-2106.	7.1	23
118	HI Decomposition over Carbon-Based and Ni-Impregnated Catalysts of the Sulfur-Iodine Cycle for Hydrogen Production. Industrial & Engineering Chemistry Research, 2015, 54, 1498-1504.	3.7	13
119	Investigation of formaldehyde enhancement by ozone addition in CH ₄ /air premixed flames. Combustion and Flame, 2015, 162, 1284-1293.	5.2	22
120	A novel photo-thermochemical cycle for the dissociation of CO ₂ using solar energy. Applied Energy, 2015, 156, 223-229.	10.1	49
121	Influence of the hydrothermal dewatering on the combustion characteristics of Chinese low-rank coals. Applied Thermal Engineering, 2015, 90, 174-181.	6.0	86
122	Physicochemical properties of wastewater produced from the microwave upgrading process of Indonesian lignite. Fuel, 2015, 158, 435-442.	6.4	13
123	Thermal efficiency evaluation of a ZnS thermochemical cycle for CO ₂ conversion and H ₂ production - Complete system. International Journal of Hydrogen Energy, 2015, 40, 6004-6012.	7.1	15
124	Sulfur Transformation during Hydrothermal Dewatering of Low Rank Coal. Energy & Fuels, 2015, 29, 6586-6592.	5.1	50
125	ICOPE-15-C133 DNS Investigation of the Interaction between Premixed Turbulent Syngas Flame Front and Vortex at Different Reynolds Numbers. The Proceedings of the International Conference on Power Engineering (ICOPE), 2015, 2015.12, _ICOPE-15-_ICOPE-15-.	0.0	0
126	Effects of CO content on laminar burning velocity of typical syngas by heat flux method and kinetic modeling. International Journal of Hydrogen Energy, 2014, 39, 9534-9544.	7.1	44

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127	Equilibrium potential for the electrochemical Bunsen reaction in the sulfur–iodine cycle. International Journal of Hydrogen Energy, 2014, 39, 18727-18733.	7.1	8
128	Detailed kinetic modeling of homogeneous H ₂ SO ₄ decomposition in the sulfur–iodine cycle for hydrogen production. Applied Energy, 2014, 130, 396-402.	10.1	31
129	Combustion and NO _x Emission Characteristics with Respect to Staged-Air Damper Opening in a 600 MW _e Down-Fired Pulverized-Coal Furnace under Deep-Air-Staging Conditions. Environmental Science & Technology, 2014, 48, 837-844.	10.0	12
130	Electrochemical characterization of electrodes in the electrochemical Bunsen reaction of the sulfur–iodine cycle. International Journal of Hydrogen Energy, 2014, 39, 7216-7224.	7.1	16
131	Effects of microwave irradiation treatment on physicochemical characteristics of Chinese low-rank coals. Energy Conversion and Management, 2013, 71, 84-91.	9.2	189
132	Oxy-fuel combustion characteristics and kinetic parameters of lignite coal from thermo-gravimetric data. Thermochimica Acta, 2013, 553, 54-59.	2.7	57
133	Electrochemical investigation of the Bunsen reaction in the sulfur–iodine cycle. International Journal of Hydrogen Energy, 2013, 38, 14391-14401.	7.1	25
134	A novel thermochemical cycle for the dissociation of CO ₂ and H ₂ O using sustainable energy sources. Applied Energy, 2013, 108, 1-7.	10.1	33
135	In-situ Measurement of Sodium and Potassium Release during Oxy-Fuel Combustion of Lignite using Laser-Induced Breakdown Spectroscopy: Effects of O ₂ and CO ₂ Concentration. Energy & Fuels, 2013, 27, 1123-1130.	5.1	97
136	Up-to-date life cycle assessment and comparison study of clean coal power generation technologies in China. Journal of Cleaner Production, 2013, 39, 24-31.	9.3	123
137	Effect of Additive Agents on the Simultaneous Absorption of NO ₂ and SO ₂ in the Calcium Sulfite Slurry. Energy & Fuels, 2012, 26, 5583-5589.	5.1	58
138	Investigation of laminar flame speeds of typical syngas using laser based Bunsen method and kinetic simulation. Fuel, 2012, 95, 206-213.	6.4	73
139	Premixed jet flame characteristics of syngas using OH planar laser induced fluorescence. Science Bulletin, 2011, 56, 2862-2868.	1.7	13
140	Direct Numerical Simulation of Subsonic Round Turbulent Jet. Flow, Turbulence and Combustion, 2010, 84, 669-686.	2.6	40
141	Fully explicit implementation of direct numerical simulation for a transient near-field methane/air diffusion jet flame. Computers and Fluids, 2010, 39, 1381-1389.	2.5	15
142	Ceria as a catalyst for hydrogen iodide decomposition in sulfur–iodine cycle for hydrogen production. International Journal of Hydrogen Energy, 2009, 34, 1688-1695.	7.1	31
143	Experimental study of Ni/CeO ₂ catalytic properties and performance for hydrogen production in sulfur–iodine cycle. International Journal of Hydrogen Energy, 2009, 34, 5637-5644.	7.1	21
144	Catalytic decomposition of hydrogen iodide over pre-treated Ni/CeO ₂ catalysts for hydrogen production in the sulfur–iodine cycle. International Journal of Hydrogen Energy, 2009, 34, 8792-8798.	7.1	28

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145	Effect of preparation method on platinum-ceria catalysts for hydrogen iodide decomposition in sulfur-iodine cycle. International Journal of Hydrogen Energy, 2008, 33, 602-607.	7.1	47
146	Catalytic Thermal Decomposition of Hydrogen Iodide in Sulfur-Iodine Cycle for Hydrogen Production. Energy & Fuels, 2008, 22, 1227-1232.	5.1	27
147	Kinetic Modeling of Homogeneous Low-Temperature Multi-Pollutant Oxidation by Ozone. Ozone: Science and Engineering, 2007, 29, 207-214.	2.5	17
148	Simultaneous removal of NO _x , SO ₂ and Hg in nitrogen flow in a narrow reactor by ozone injection: Experimental results. Fuel Processing Technology, 2007, 88, 817-823.	7.2	259
149	Direct numerical simulation of hydrogen turbulent lifted jet flame in a vitiated coflow. Science Bulletin, 2007, 52, 2147-2156.	1.7	9
150	Direct Numerical Simulation of Ozone Injection Technology for NO _x Control in Flue Gas. Energy & Fuels, 2006, 20, 2432-2438.	5.1	62