Jian-Zhong Liu

List of Publications by Year
in descending order

165 papers	4,060 citations	126708 33 h-index	174990 52 g-index
166 all docs	166 docs citations	166 times ranked	2597 citing authors

#	Article	IF	Citations
1	Maximum solid concentrations of coal wastewater slurries predicted by optimized neural network based on wastewater composition data. Canadian Journal of Chemical Engineering, 2022, 100, 465-475.	0.9	3
2	Combustion of aluminum powder using CO2 laser in O2/CO2 atmosphere under different pressure conditions. Journal of Thermal Analysis and Calorimetry, 2022, 147, 4959-4970.	2.0	3
3	Synergistic effects of mixing waste activated carbon and coal in co-slurrying and CO2 co-gasification. Powder Technology, 2022, 395, 883-892.	2.1	13
4	Evolution of solid-liquid coupling combustion characteristics of boron suspension fuel in O2/Ar atmosphere. Combustion and Flame, 2022, 237, 111869.	2.8	20
5	Promotion mechanism analysis of metal hydride on the energy release characteristics of B/JP-10 suspension fuel. Fuel, 2022, 316, 123409.	3.4	6
6	Nano-sized copper oxide enhancing the combustion of aluminum/kerosene-based nanofluid fuel droplets. Combustion and Flame, 2022, 240, 112028.	2.8	12
7	Oxidation mechanism for coal-assisted water electrolysis for hydrogen production: Evolution of different structures in coal molecules with reaction depth. Fuel, 2022, 321, 123910.	3.4	5
8	Kinetics and oxidation pathways of Fe3+-catalyzed carbon-assisted water electrolysis for hydrogen production. International Journal of Hydrogen Energy, 2022, 47, 20432-20447.	3.8	10
9	Ignition and combustion of boron particles coated by modified materials with various action mechanisms. Combustion and Flame, 2022, 242, 112208.	2.8	19
10	Initial Temperature Effects on the Combustion Characteristics of Al. Propellants, Explosives, Pyrotechnics, 2022, 47, .	1.0	4
11	Nano-carbides as accelerants for boron oxidation reaction. Journal of Thermal Analysis and Calorimetry, 2021, 144, 721-728.	2.0	4
12	Dispersion mechanism of coal water slurry prepared by mixing various high-concentration organic waste liquids. Fuel, 2021, 287, 119340.	3.4	27
13	Study on combustion of aluminum powder mixed with sodium borohydride at low starting temperature in steam atmosphere. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2021, 43, 2134-2146.	1.2	1
14	Study on CO₂ gasification properties of coal gasification wastewater slurry. Asia-Pacific Journal of Chemical Engineering, 2021, 16, e2617.	0.8	1
15	Combustion characteristics of oxygenated slurry droplets of nano-Al/EtOH and nano-Al/TPGME blends. Energy, 2021, 220, 119693.	4.5	19
16	Boosting Electrochemical CO₂ Reduction by Controlling Coordination Environment in Atomically Dispersed Ni@N_xC_y Catalysts. ACS Sustainable Chemistry and Engineering, 2021, 9, 6438-6445.	3.2	18
17	Metabolic pathways of Chlorella sp. cells induced by exogenous spermidine against nitric oxide damage from coal-fired flue gas. Bioresource Technology, 2021, 328, 124827.	4.8	6
18	Adsorption mechanism of oleic acid on the surface of aluminum nanoparticle: ReaxFF molecular dynamics simulation and experimental study. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 618, 126500.	2.3	9

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19	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.	2.7	17
20	Insight into the dissociation mechanism of ethanol molecule over the nano-aluminum surface: a density functional theory study. Journal of Materials Science, 2021, 56, 17096-17111.	1.7	10
21	Combustion and agglomeration characteristics of boron particles in boron-containing fuel-rich propellant. Combustion and Flame, 2021, 232, 111551.	2.8	22
22	Experimental study on the evaporation and combustion characteristics of double Al/n-heptane based nanofluid fuel droplets in high temperature environment. Thermochimica Acta, 2021, 705, 179049.	1.2	7
23	Roles of coal gasification wastewater in coal electrolysis for hydrogen production. Fuel, 2021, 305, 121600.	3.4	4
24	Thermal decomposition and combustion characteristics of Al/AP/HTPB propellant. Journal of Thermal Analysis and Calorimetry, 2021, 143, 3935-3944.	2.0	30
25	Ignition and Combustion Characteristics of Al/n-Heptane Nanoslurry Fuel Droplets via a Laser-Ignition Model. Journal of Energy Engineering - ASCE, 2021, 147, .	1.0	2
26	Effect of Ammonium Perchlorate Coating on the Ignition and Combustion Characteristics of Al/JP-10 Nanofluid Fuel. Combustion Science and Technology, 2020, 192, 1567-1581.	1.2	9
27	Combustion of aluminum particles in a high-temperature furnace under various O2/CO2/H2O atmospheres. Journal of Thermal Analysis and Calorimetry, 2020, 139, 251-260.	2.0	12
28	Adiabatic laminar burning velocities of C3H8-O2-CO2 and C3H8-O2-N2 mixtures at ambient conditions-PART I: Experimental and numerical study. Fuel, 2020, 263, 116533.	3.4	8
29	Study on dehydrogenation and oxidation kinetics mechanisms of micron Î±-AlH3 in an oxidative atmosphere. International Journal of Hydrogen Energy, 2020, 45, 24958-24967.	3.8	23
30	Study on coal water slurries prepared from coal chemical wastewater and their industrial application. Applied Energy, 2020, 268, 114976.	5.1	59
31	Characteristics and anode reaction of organic wastewater-assisted coal electrolysis for hydrogen production. International Journal of Hydrogen Energy, 2020, 45, 20894-20903.	3.8	20
32	Boosting Defective Carbon by Anchoring Well-Defined Atomically Dispersed Niâ€“N₄ Sites for Electrocatalytic CO₂ Reduction. ACS Sustainable Chemistry and Engineering, 2020, 8, 10536-10543.	3.2	52
33	Nano carbides-mediated acceleration of energy release behavior of amorphous boron during ignition and combustion. Energy Reports, 2020, 6, 1160-1169.	2.5	11
34	Adiabatic laminar burning velocities of C3H8-O2-CO2 and C3H8-O2-N2 mixtures at ambient conditions-PART II: Mechanistic interpretation. Fuel, 2020, 276, 117946.	3.4	16
35	Laser ignition and combustion characteristics of Al/JP-10 nanofluid droplet. Journal of Thermal Analysis and Calorimetry, 2019, 135, 925-934.	2.0	28
36	Effects of Metal Ions in Organic Wastewater on Coal Water Slurry and Dispersant Properties. Energy & Fuels, 2019, 33, 7110-7117.	2.5	21

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37	Effect of carbonization temperature on the grindability of carbonaceous material produced from different coals. Canadian Journal of Chemical Engineering, 2019, 97, 2653-2661.	0.9	2
38	Ignition and Combustion Characteristics of Heptane-Based Nanofluid Fuel Droplets. Energy & Fuels, 2019, 33, 10282-10289.	2.5	19
39	Dynamic process of hydrogen and heat generation from reaction of Alâ€“Li alloy powders and water vapor at moderate temperatures. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 1372-1379.	1.2	2
40	Pyrolysis characteristics of lowâ€rank coals based on doubleâ€gaussian distributed activation energy model. Canadian Journal of Chemical Engineering, 2019, 97, 2642-2652.	0.9	1
41	Effect of ammonia nitrogen and low-molecular-weight organics on the adsorption of additives on coal surface: A combination of experiments and molecular dynamics simulations. Chemical Engineering Science, 2019, 205, 134-142.	1.9	19
42	Ignition and combustion characteristics and agglomerate evolution mechanism of aluminum in nAl/JP-10 nanofluid fuel. Journal of Thermal Analysis and Calorimetry, 2019, 137, 1369-1379.	2.0	24
43	Slurry characteristics and mechanism analysis of petroleum cokeâ€“coal water slurry. Asia-Pacific Journal of Chemical Engineering, 2019, 14, e2291.	0.8	5
44	Adsorption Behaviour of Tween 85 on Nano-Aluminium Particles in Aluminium/JP-10 Suspensions. Journal of Nanoscience and Nanotechnology, 2019, 19, 2108-2115.	0.9	6
45	Aluminum agglomeration of AP/HTPB composite propellant. Acta Astronautica, 2019, 156, 14-22.	1.7	70
46	Slurryability and combustion characteristics of coalâ€coking wastewaterâ€slurry. Canadian Journal of Chemical Engineering, 2019, 97, 1803-1808.	0.9	8
47	Ignition and heterogeneous combustion of aluminum boride and boronâ€“aluminum blend. Aerospace Science and Technology, 2019, 84, 1081-1091.	2.5	57
48	Experimental studies on coal water slurries prepared from coal gasification wastewater. Asia-Pacific Journal of Chemical Engineering, 2018, 13, e2162.	0.8	11
49	Changes in the physicochemical characteristics and spontaneous combustion propensity of Ximeng lignite after hydrothermal dewatering. Canadian Journal of Chemical Engineering, 2018, 96, 2387-2394.	0.9	16
50	Generating cycle flow between dark and light zones with double paddlewheels to improve microalgal growth in a flat plate photo-bioreactor. Bioresource Technology, 2018, 261, 151-157.	4.8	17
51	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.	2.5	17
52	Ignition delay kinetic model of boron particle based on bidirectional diffusion mechanism. Aerospace Science and Technology, 2018, 73, 78-84.	2.5	14
53	CO2 absorption and diffusion in ionic liquid [P66614][Triz] modified molecular sieves SBA-15 with various pore lengths. Fuel Processing Technology, 2018, 172, 216-224.	3.7	36
54	Hydrogen production by the reaction of Al-based metals with water vapor. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 9-14.	1.2	6

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55	Slurrying Property and Mechanism of Coalâ€“Coal Gasification Wastewaterâ€“Slurry. Energy & Fuels, 2018, 32, 4833-4840.	2.5	26
56	Enhancing slurryabilities of five lignites from Inner Mongolia of China by microwave irradiation. Drying Technology, 2018, 36, 100-108.	1.7	8
57	Removing ethinylestradiol from wastewater by microalgae mutant Chlorella PY-ZU1 with CO2 fixation. Bioresource Technology, 2018, 249, 284-289.	4.8	43
58	Study on the slurry ability and combustion behaviour of coalâ€bioferment residue of drugsâ€slurry. Canadian Journal of Chemical Engineering, 2018, 96, 838-844.	0.9	9
59	Optimization of coating solution viscosity of hollow fiberâ€supported polydimethylsiloxane membrane for CO₂/H₂ separation. Journal of Applied Polymer Science, 2018, 135, 45765.	1.3	17
60	In-situ grafting to improve polarity of polyacrylonitrile hollow fiber-supported polydimethylsiloxane membranes for CO2 separation. Journal of Colloid and Interface Science, 2018, 510, 12-19.	5.0	24
61	Heterogeneous decomposition and oxidation during combustion of magnesium diboride particles. Acta Astronautica, 2018, 153, 159-165.	1.7	21
62	Graphene Nanoplatelet and Reduced Graphene Oxide Functionalized by Ionic Liquid for CO₂ Capture. Energy & Fuels, 2018, 32, 6918-6925.	2.5	12
63	Experimental study on superheated steam generation by the reaction of high humidity hydrogen and oxygen in a model internal combustion steam generator. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 1153-1160.	1.2	1
64	The formation mechanism and distribution of micro-aluminum oxide layer. Journal of Thermal Analysis and Calorimetry, 2018, 133, 1335-1344.	2.0	8
65	Catalytic effect of metal chlorides on coal pyrolysis and gasification part â…¡. Effects of acid washing on coal characteristics. Thermochimica Acta, 2018, 666, 41-50.	1.2	35
66	Ionic-liquid pretreatment of cassava residues for the cogeneration of fermentative hydrogen and methane. Bioresource Technology, 2017, 228, 348-354.	4.8	31
67	Generation and Evolution of Surface Oxide Layer of Amorphous Boron during Thermal Oxidation: A Micro/nanofabricated Slice Measurement. Propellants, Explosives, Pyrotechnics, 2017, 42, 532-540.	1.0	11
68	Mechanism underlying the effect of conventional drying on the grinding characteristics of Ximeng lignite. Korean Journal of Chemical Engineering, 2017, 34, 1250-1259.	1.2	7
69	Hydrogen production and temperature change during the reaction of Alâ€“Li alloy with water vapor. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2017, 39, 1036-1042.	1.2	7
70	Improving effect of boron carbide on the combustion and thermal oxidation characteristics of amorphous boron. Journal of Thermal Analysis and Calorimetry, 2017, 128, 1771-1782.	2.0	31
71	Enhanced hydrogen production of Enterobacter aerogenes mutated by nuclear irradiation. Bioresource Technology, 2017, 227, 50-55.	4.8	18
72	Effect of particle size and oxygen content on ignition and combustion of aluminum particles. Chinese Journal of Aeronautics, 2017, 30, 1835-1843.	2.8	57

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73	Ignition and combustion characteristics of amorphous boron and coated boron particles in oxygen jet. Combustion and Flame, 2017, 185, 292-300.	2.8	51
74	Experimental Study on Dynamic Combustion Characteristics of Aluminum Particles. Propellants, Explosives, Pyrotechnics, 2017, 42, 982-992.	1.0	14
75	Catalytic effect of metal chlorides on coal pyrolysis and gasification part I. Combined TG-FTIR study for coal pyrolysis. Thermochimica Acta, 2017, 655, 331-336.	1.2	61
76	Moisture removal mechanism of low-rank coal by hydrothermal dewatering: Physicochemical property analysis and DFT calculation. Fuel, 2017, 187, 242-249.	3.4	90
77	Ignition and combustion characteristics of molded amorphous boron under different oxygen pressures. Acta Astronautica, 2017, 138, 118-128.	1.7	17
78	Effect of oleic acid on the stability and rheology of nanoaluminium/JPâ€10 biâ€phase system. Micro and Nano Letters, 2017, 12, 675-679.	0.6	11
79	Study on CuO-CeO₂/SiC catalysts in the sulfur-iodine cycle for hydrogen production. International Journal of Energy Research, 2016, 40, 1062-1072.	2.2	8
80	Gasification property of coalâ€“oilfield wastewaterâ€“slurry and microscopic mechanism analysis. Petroleum Science and Technology, 2016, 34, 1068-1074.	0.7	12
81	Effect of microwave irradiation on the grinding characteristics of Ximeng lignite. Fuel Processing Technology, 2016, 147, 2-11.	3.7	20
82	Fractal characteristics of pore structures in 13 coal specimens: Relationship among fractal dimension, pore structure parameter, and slurry ability of coal. Fuel Processing Technology, 2016, 149, 256-267.	3.7	99
83	Sewage sludge disruption through sonication to improve the co-preparation of coalâ€“sludge slurry fuel: The effects of sonic frequency. Applied Thermal Engineering, 2016, 99, 645-651.	3.0	19
84	Removal of oxygen functional groups in lignite by hydrothermal dewatering: An experimental and DFT study. Fuel, 2016, 178, 85-92.	3.4	77
85	Effects of the low-temperature thermo-alkaline method on the rheological properties of sludge. Journal of Environmental Management, 2016, 177, 74-83.	3.8	8
86	The properties of Chinese typical brown coal water slurries. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 1176-1182.	1.2	9
87	Pore Characteristics and Slurryability of Coal Blends. Energy & Fuels, 2016, 30, 7158-7172.	2.5	2
88	Decrease in light/dark cycle of microalgal cells with computational fluid dynamics simulation to improve microalgal growth in a raceway pond. Bioresource Technology, 2016, 220, 352-359.	4.8	35
89	Fermentative biohydrogen and biomethane co-production from mixture of food waste and sewage sludge: Effects of physiochemical properties and mix ratios on fermentation performance. Applied Energy, 2016, 184, 1-8.	5.1	87
90	Theoretical Investigation of Noncovalent Interactions between Low-Rank Coal and Water. Energy & Fuels, 2016, 30, 7118-7124.	2.5	35

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91	Effects of Microwave Irradiation on Combustion and Sodium Release Characteristics of Zhundong Lignite. Energy & Fuels, 2016, 30, 8977-8984.	2.5	14
92	Effect of microwave irradiation on the propensity for spontaneous combustion of Inner Mongolia lignite. Journal of Loss Prevention in the Process Industries, 2016, 44, 390-396.	1.7	30
93	Effects of Low-Temperature Thermal and Alkaline Methods on the Structural Strength of Sludge Flocs and the Co-Slurrying Ability of Sludge and Coal. Energy & Fuels, 2016, 30, 5419-5424.	2.5	9
94	Study on the slurrying and rheological properties of coalâ€“oilfield wastewaterâ€“slurry. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 3687-3693.	1.2	8
95	N₂O₅ Formation Mechanism during the Ozone-Based Low-Temperature Oxidation deNO_x Process. Energy & Fuels, 2016, 30, 5101-5107.	2.5	51
96	Improving the slurry fuel preparation performance to recycle municipal sewage sludge by combined alkali and ultrasonication pretreatment. Research on Chemical Intermediates, 2016, 42, 7345-7358.	1.3	0
97	Improving microalgal growth with small bubbles in a raceway pond with swing gas aerators. Bioresource Technology, 2016, 216, 267-272.	4.8	13
98	Improvement in energy release properties of boron-based propellant by oxidant coating. Thermochimica Acta, 2016, 638, 58-68.	1.2	35
99	Optimization of microwave dewatering of an Indonesian lignite. Fuel Processing Technology, 2016, 144, 71-78.	3.7	25
100	Splitting of CO₂ via the Heterogeneous Oxidation of Zinc Powder in Thermochemical Cycles. Industrial & Engineering Chemistry Research, 2016, 55, 534-542.	1.8	6
101	Combustion Characteristics and Propulsive Performance of Boron/Ammonium Perchlorate Mixtures in Microtubes. Journal of Energetic Materials, 2016, 34, 297-317.	1.0	19
102	Characteristics of O₃ Oxidation for Simultaneous Desulfurization and Denitration with Limestoneâ€“Gypsum Wet Scrubbing: Application in a Carbon Black Drying Kiln Furnace. Energy & Fuels, 2016, 30, 2302-2308.	2.5	59
103	Catalytic oxidation of NO by O₂ over CeO₂â€“MnO_x: SO₂ poisoning mechanism. RSC Advances, 2016, 6, 31422-31430.	1.7	38
104	Physicochemical characterizations for improving the slurryability of Philippine lignite upgraded through microwave irradiation. RSC Advances, 2015, 5, 14690-14696.	1.7	20
105	Improving the permittivity of Indonesian lignite with NaCl for the microwave dewatering enhancement of lignite with reduced fractal dimensions. Fuel, 2015, 162, 8-15.	3.4	49
106	Influence of Coal Blending on Ash Fusibility in Reducing Atmosphere. Energies, 2015, 8, 4735-4754.	1.6	23
107	Pore structure and fractal analysis of Ximeng lignite under microwave irradiation. Fuel, 2015, 146, 41-50.	3.4	135
108	Chemical and structural changes in XiMeng lignite and its carbon migration during hydrothermal dewatering. Fuel, 2015, 148, 139-144.	3.4	72

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109	Chromium Copper Catalysts for LiClO₄ Decomposition. Propellants, Explosives, Pyrotechnics, 2015, 40, 531-538.	1.0	0
110	Upgrading Chinese Shengli lignite by microwave irradiation for slurribility improvement. Fuel, 2015, 159, 909-916.	3.4	26
111	Pyrolysis Characteristics of Coal, Biomass, and Coalâ€“Biomass Blends under High Heating Rate Conditions: Effects of Particle Diameter, Fuel Type, and Mixing Conditions. Energy & Fuels, 2015, 29, 5036-5046.	2.5	25
112	Physicochemical properties of wastewater produced from the microwave upgrading process of Indonesian lignite. Fuel, 2015, 158, 435-442.	3.4	13
113	Energy release properties of amorphous boron and boron-based propellant primary combustion products. Acta Astronautica, 2015, 112, 182-191.	1.7	32
114	Improving slurryability, rheology, and stability of slurry fuel from blending petroleum coke with lignite. Petroleum Science, 2015, 12, 157-169.	2.4	35
115	A Cu foam cathode used as a Ptâ€“RGO catalyst matrix to improve CO₂ reduction in a photoelectrocatalytic cell with a TiO₂ photoanode. Journal of Materials Chemistry A, 2015, 3, 12947-12957.	5.2	65
116	Effect of metal additives on the composition and combustion characteristics of primary combustion products of B-based propellants. Journal of Thermal Analysis and Calorimetry, 2015, 122, 497-508.	2.0	35
117	Physicochemical properties of Indonesian lignite continuously modified in a tunnel-type microwave oven for slurribility improvement. Fuel, 2015, 150, 493-500.	3.4	20
118	Effects of different drying methods on the grinding characteristics of Ximeng lignite. Fuel, 2015, 162, 305-312.	3.4	18
119	Sulfur Transformation during Hydrothermal Dewatering of Low Rank Coal. Energy & Fuels, 2015, 29, 6586-6592.	2.5	50
120	Thin-layer drying characteristics and modeling of Ximeng lignite under microwave irradiation. Fuel Processing Technology, 2015, 130, 62-70.	3.7	89
121	Challenge of coal combustion and technology development for Multi-pollutant emission control. The Proceedings of the International Conference on Power Engineering (ICOPE), 2015, 2015.12, C1-C18.	0.0	0
122	ICOPE-15-C032 Lignite upgrading by microwave irradiation to improve coal water slurry properties for gasification. The Proceedings of the International Conference on Power Engineering (ICOPE), 2015, 2015.12, _ICOPE-15--_ICOPE-15-.	0.0	0
123	Experimental Research on Coal Water Slurries Prepared by Single and Blended Coals. , 2015, , .		0
124	Quantum Chemical Calculations on the Reaction of Zinc and Water in Gas Phase. Combustion Science and Technology, 2014, 186, 24-33.	1.2	3
125	Effect of Carbon Dioxide on the Reactivity of the Oxidation of Boron Particles. Propellants, Explosives, Pyrotechnics, 2014, 39, 617-623.	1.0	10
126	Numerical Simulation and Experimental Study of the Tube Receiver's Performance of Solar Thermal Power Tower. Energy Procedia, 2014, 61, 1618-1621.	1.8	1

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127	Effect of Initial Oxide Layer on Ignition and Combustion of Boron Powder. Propellants, Explosives, Pyrotechnics, 2014, 39, 185-191.	1.0	35
128	Ultrasonic sludge disintegration for improving the co-slurrying properties of municipal waste sludge and coal. Fuel Processing Technology, 2014, 125, 94-105.	3.7	31
129	Ignition and Combustion of Boron Particles at One to Ten Standard Atmosphere. Journal of Propulsion and Power, 2014, 30, 760-764.	1.3	26
130	Metal Oxides as Catalysts for Boron Oxidation. Journal of Propulsion and Power, 2014, 30, 47-53.	1.3	45
131	Effect of metal hydrides on the burning characteristics of boron. Thermochimica Acta, 2014, 597, 58-64.	1.2	29
132	Electrolysis of the Bunsen Reaction and Properties of the Membrane in the Sulfurâ€“Iodine Thermochemical Cycle. Industrial & Engineering Chemistry Research, 2014, 53, 13581-13588.	1.8	22
133	Performance of the Electrochemical Bunsen Reaction Using Two Different Proton Exchange Membranes in the Sulfurâ€“Iodine Cycle. Industrial & Engineering Chemistry Research, 2014, 53, 4966-4974.	1.8	12
134	Properties of Coal Water Slurry Prepared with the Solid and Liquid Products of Hydrothermal Dewatering of Brown Coal. Industrial & Engineering Chemistry Research, 2014, 53, 4511-4517.	1.8	49
135	Role of Oxalic Acid in Promoting Ignition and Combustion of Boron: an Experimental and Theoretical Study. Propellants, Explosives, Pyrotechnics, 2014, 39, 844-851.	1.0	15
136	Preparation and improving stability of bubble petroleum coke water slurry. Fuel, 2014, 128, 404-409.	3.4	10
137	Improving the slurrying ability of XiMeng brown coal by medium- to low-temperature thermal treatment. Fuel Processing Technology, 2014, 119, 218-227.	3.7	32
138	Impacts of Particle Size and Pressure on Reactivity of Boron Oxidation. Journal of Propulsion and Power, 2013, 29, 1207-1213.	1.3	25
139	Effects of calcium oxide on the surface properties of municipal wastewater sludge and its co-slurrying ability with coal. Science of the Total Environment, 2013, 456-457, 9-16.	3.9	21
140	The Impact of Preheating on Stability Limits of Premixed Hydrogenâ€“Air Combustion in a Microcombustor. Heat Transfer Engineering, 2012, 33, 661-668.	1.2	9
141	Density Functional Study of NO Desorption from Oxidation of Nitrogen Containing Char by O₂. Combustion Science and Technology, 2012, 184, 445-455.	1.2	24
142	Fluctuation Characteristics of Spray Velocity Field of Coaxial Convergent Nozzle by Particle-Image-Velocimetry Measurements. Journal of Fluids Engineering, Transactions of the ASME, 2012, 134, .	0.8	0
143	Research on the secondary air position for the one-dimensional model of low NOx combustion. , 2012, , .		0
144	The slurrying properties of slurry fuels made of petroleum coke and petrochemical sludge. Fuel Processing Technology, 2012, 104, 57-66.	3.7	79

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145	Effects of the physical and chemical properties of petroleum coke on its slurryability. Petroleum Science, 2012, 9, 251-256.	2.4	23
146	Numerical simulation of acoustic wake effect in acoustic agglomeration under Oseen flow condition. Science Bulletin, 2012, 57, 2404-2412.	1.7	45
147	Rheology and thixotropic properties of slurry fuel prepared using municipal wastewater sludge and coal. Chemical Engineering Science, 2012, 76, 1-8.	1.9	59
148	Effect of hydrothermal dewatering on the slurryability of brown coals. Energy Conversion and Management, 2012, 57, 8-12.	4.4	134
149	A Simplified One-Dimensional Model of Low NOx Ignition for the Direct Flow of Pulverized Coal. , 2011, , .		1
150	Surface Coating Improves Coalâ€“Water Slurry Formation of Shangwan Coal. Energy & Fuels, 2011, 25, 3590-3597.	2.5	31
151	The Slurrying Properties of Coal Water Slurries Containing Raw Sewage Sludge. Energy & Fuels, 2011, 25, 747-752.	2.5	58
152	Frequency comparative study of coal-fired fly ash acoustic agglomeration. Journal of Environmental Sciences, 2011, 23, 1845-1851.	3.2	67
153	Orthogonal design process optimization and single factor analysis for bimodal acoustic agglomeration. Powder Technology, 2011, 210, 315-322.	2.1	43
154	HNCO hydrolysis performance in urea-water solution thermohydrolysis process with and without catalysts. Journal of Zhejiang University: Science A, 2010, 11, 849-856.	1.3	14
155	Effects of pore fractal structures of ultrafine coal water slurries on rheological behaviors and combustion dynamics. Fuel, 2008, 87, 2620-2627.	3.4	75
156	Experimental research on combustion fluorine retention using calcium-based sorbets during coal combustion (I). Science in China Series A: Mathematics, 2008, 14, 303-307.	0.2	2
157	Experimental research on combustion fluorine retention using calcium-based sorbets during coal combustion (II). Science in China Series A: Mathematics, 2008, 14, 667-671.	0.2	1
158	Catalytic Thermal Decomposition of Hydrogen Iodide in Sulfurâ€'Iodine Cycle for Hydrogen Production. Energy & Fuels, 2008, 22, 1227-1232.	2.5	27
159	Improvement of Coal Water Slurry Property through Coal Physicochemical Modifications by Microwave Irradiation and Thermal Heat. Energy & Fuels, 2008, 22, 2422-2428.	2.5	77
160	Effect of Mineral Matter on NO Reduction in Coal Reburning Process. Energy & Fuels, 2007, 21, 2038-2043.	2.5	25
161	D212 EXPERIMENTAL STUDY ON TANGENTIAL CIRCLE CHARACTERISTIC IN HIGH RATIO OF LENGTH AND WIDTH, HEXAGONAL ARRANGED UTILITY BURNER. The Proceedings of the International Conference on Power Engineering (ICOPE), 2003, 2003.2, _2-319_-_2-323_.	0.0	0
162	E214 APPLICATION OF CWS COMBUSTION TECHNOLOGY TO POWER PLANTS IN GUANGDONG PROVINCE OF CHINA. The Proceedings of the International Conference on Power Engineering (ICOPE), 2003, 2003.2, _2-415_-_2-419_.	0.0	0

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163	E211 STAGED SORBENT INJECTION UNDER AIR-STAGED COMBUSTION CONDITIONS FOR SO_2 REDUCTION IN A PULVERIZED COAL FIRED BOILER. The Proceedings of the International Conference on Power Engineering (ICOPE), 2003, 2003.2, _2-399_-_2-402_.	0.0	0
164	Numerical Simulation of Coal Oil Water Slurry Gasification Process in New-Type Coal Water Slurry Gasifier. Applied Mechanics and Materials, 0, 229-231, 2501-2505.	0.2	2
165	Numerical study on combustion performance of propane non-premixed mild in O₂/CO₂ atmosphere. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-12.	1.2	2