Qingjie Guo

List of Publications by Year in descending order

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236	5,415	94269	133063
papers	citations	37 h-index	59 g-index

238	238	238	4517
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of hybrid amine-functionalized MCM-41 sorbents for CO2 capture. Chemical Engineering Journal, 2015, 260, 573-581.	6.6	194
2	Carbon-supported cobalt catalyst for hydrogen generation from alkaline sodium borohydride solution. Journal of Power Sources, 2008, 182, 616-620.	4.0	162
3	Low Temperature Pyrolysis Characteristics of Oil Sludge under Various Heating Conditions. Energy & Fuels, 2007, 21, 957-962.	2.5	145
4	Photocatalytic degradation for methylene blue using zinc oxide prepared by codeposition and solâ€“gel methods. Journal of Hazardous Materials, 2008, 152, 172-175.	6.5	136
5	Hydrogen generation from catalytic hydrolysis of alkaline sodium borohydride solution using attapulgite clay-supported Co-B catalyst. Journal of Power Sources, 2010, 195, 2136-2142.	4.0	132
6	Coal Chemical Looping Gasification for Syngas Generation Using an Iron-Based Oxygen Carrier. Industrial & Engineering Chemistry Research, 2014, 53, 78-86.	1.8	122
7	Efficient degradation of methyl orange in water via both radical and non-radical pathways using Fe-Co bimetal-doped MCM-41 as peroxymonosulfate activator. Chemical Engineering Journal, 2020, 402, 125881.	6.6	110
8	Catalytic Hydrodeoxygenation of Algae Bio-oil over Bimetallic Niâ€“Cu/ZrO₂ Catalysts. Industrial & Engineering Chemistry Research, 2015, 54, 890-899.	1.8	97
9	Tetraethylenepentamine-modified MCM-41/silica gel with hierarchical mesoporous structure for CO2 capture. Chemical Engineering Journal, 2015, 273, 472-480.	6.6	97
10	Catalytic behavior of carbon supported Niâ€“B, Coâ€“B and Coâ€“Niâ€“B in hydrogen generation by hydrolysis of KBH4. Fuel Processing Technology, 2011, 92, 1606-1610.	3.7	96
11	Pyrolysis of scrap printed circuit board plastic particles in a fluidized bed. Powder Technology, 2010, 198, 422-428.	2.1	86
12	Mixed amine-modified MCM-41 sorbents for CO2 capture. International Journal of Greenhouse Gas Control, 2015, 37, 90-98.	2.3	83
13	Recycle and reusable melamine sponge coated by graphene for highly efficient oil-absorption. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 488, 93-99.	2.3	80
14	Adsorption of Tetracycline by Shrimp Shell Waste from Aqueous Solutions: Adsorption Isotherm, Kinetics Modeling, and Mechanism. ACS Omega, 2020, 5, 3467-3477.	1.6	75
15	Synthesis of MOF-derived Co@C composites and application for efficient hydrolysis of sodium borohydride. Applied Surface Science, 2019, 469, 764-769.	3.1	69
16	Preparation and characteristics of medicinal activated carbon powders by CO2 activation of peanut shells. Powder Technology, 2013, 247, 188-196.	2.1	67
17	Activation of peroxymonosulfate by bimetallic CoMn oxides loaded on coal fly ash-derived SBA-15 for efficient degradation of Rhodamine B. Separation and Purification Technology, 2021, 274, 119081.	3.9	64
18	Electricity Generation from Wastewater Using an Anaerobic Fluidized Bed Microbial Fuel Cell. Industrial & Engineering Chemistry Research, 2011, 50, 12225-12232.	1.8	60

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19	Influence of sound wave characteristics on fluidization behaviors of ultrafine particles. Chemical Engineering Journal, 2006, 119, 1-9.	6.6	58
20	Adsorption-enrichment characterization of CO2 and dynamic retention of free NH3 in functionalized biochar with H2O/NH3Â·H2O activation for promotion of new ammonia-based carbon capture. Chemical Engineering Journal, 2021, 409, 128193.	6.6	58
21	Coal chemical-looping gasification of Ca-based oxygen carriers decorated by CaO. Powder Technology, 2015, 275, 60-68.	2.1	57
22	Investigation into Decomposition Behavior of CaSO₄ in Chemical-Looping Combustion. Energy & Fuels, 2008, 22, 3915-3921.	2.5	53
23	Production of aromatic hydrocarbons by catalytic co-pyrolysis of microalgae and polypropylene using HZSM-5. Journal of Analytical and Applied Pyrolysis, 2018, 136, 178-185.	2.6	53
24	Ordered Self-supporting NiV LDHs@P-Nickel foam Nano-array as High-Performance supercapacitor electrode. Journal of Colloid and Interface Science, 2021, 583, 1-12.	5.0	53
25	Nitrogen and Oxygen Codoped Porous Carbon with Superior CO₂ Adsorption Performance: A Combined Experimental and DFT Calculation Study. Industrial & Engineering Chemistry Research, 2019, 58, 13390-13400.	1.8	52
26	Investigation into sulfur release in reductive decomposition of calcium sulfate oxygen carrier by hydrogen and carbon monoxide. Fuel Processing Technology, 2010, 91, 1640-1649.	3.7	48
27	TiO₂ as an interfacial-charge-transfer-bridge to construct eosin Y-mediated direct Z-scheme electron transfer over a Co₉S₈ quantum dot/TiO₂ photocatalyst. Catalysis Science and Technology, 2020, 10, 5267-5280.	2.1	48
28	3D layered nano-flower MoSx anchored with CoP nanoparticles form double proton adsorption site for enhanced photocatalytic hydrogen evolution under visible light driven. International Journal of Hydrogen Energy, 2020, 45, 2578-2592.	3.8	48
29	Investigation into the Behavior of Reductive Decomposition of Calcium Sulfate by Carbon Monoxide in Chemical-Looping Combustion. Industrial & Engineering Chemistry Research, 2009, 48, 5624-5632.	1.8	47
30	Preparation and Characterization of Fe₂O₃/Al₂O₃ Using the Solution Combustion Approach for Chemical Looping Combustion. Industrial & Engineering Chemistry Research, 2012, 51, 12773-12781.	1.8	47
31	Flow characteristics in a bubbling fluidized bed at elevated temperature. Chemical Engineering and Processing: Process Intensification, 2003, 42, 439-447.	1.8	46
32	The competitive adsorption mechanism of CO2, H2O and O2 on a solid amine adsorbent. Chemical Engineering Journal, 2021, 416, 129007.	6.6	45
33	Fluidization Characteristics of Binary Mixtures of Biomass and Quartz Sand in an Acoustic Fluidized Bed. Industrial & Engineering Chemistry Research, 2008, 47, 9773-9782.	1.8	43
34	Mn0.2Cd0.8S nanorods assembled with 0D CoWO4 nanoparticles formed p-n heterojunction for efficient photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2020, 45, 26733-26745.	3.8	43
35	Investigation into Photocatalytic Degradation of Gaseous Ammonia in CPCR. Industrial & Engineering Chemistry Research, 2008, 47, 4363-4368.	1.8	41
36	Investigation into Syngas Generation from Solid Fuel Using CaSO4-based Chemical Looping Gasification Process. Chinese Journal of Chemical Engineering, 2013, 21, 127-134.	1.7	40

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37	Hierarchical structure N, O-co-doped porous carbon/carbon nanotube composite derived from coal for supercapacitors and CO₂ capture. Nanoscale Advances, 2020, 2, 878-887.	2.2	40
38	A sea-urchin-structured NiCo₂O₄decorated Mn_{0.05}Cd_{0.95}S pâ€“n heterojunction for enhanced photocatalytic hydrogen evolution. Dalton Transactions, 2020, 49, 13393-13405.	1.6	39
39	Influence of a combined external field on the agglomeration of inhalable particles from a coal combustion plant. Powder Technology, 2012, 227, 67-73.	2.1	38
40	Polyetheramine improves the CO2 adsorption behavior of tetraethylenepentamine-functionalized sorbents. Chemical Engineering Journal, 2019, 364, 475-484.	6.6	38
41	Investigation into dyeing acceleration efficiency of ultrasound energy. Ultrasonics, 2010, 50, 441-446.	2.1	37
42	Gasification of real MSW-derived hydrochar under various atmosphere and temperature. Thermochimica Acta, 2020, 683, 178470.	1.2	37
43	Hydrodynamic characteristics of a two-dimensional jetting fluidized bed with binary mixtures. Chemical Engineering Science, 2001, 56, 4685-4694.	1.9	36
44	Enhanced storage capability by biomass-derived porous carbon for lithium-ion and sodium-ion battery anodes. Sustainable Energy and Fuels, 2018, 2, 2358-2365.	2.5	36
45	A synergistic effect during the co-pyrolysis of Nannochloropsis sp. and palm kernel shell for aromatic hydrocarbon production. Energy Conversion and Management, 2018, 173, 545-554.	4.4	35
46	Mechanism of biochar-gas-tar-soot formation during pyrolysis of different biomass feedstocks: Effect of inherent metal species. Fuel, 2021, 293, 120409.	3.4	34
47	Sound-Assisted Fluidization of SiO2Nanoparticles with Different Surface Properties. Industrial & Engineering Chemistry Research, 2007, 46, 1345-1349.	1.8	33
48	Catalytic Gasification of Crushed Coke and Changes of Structural Characteristics. Energy & Fuels, 2018, 32, 3356-3367.	2.5	33
49	Transformation and migration of cadmium during chemical-looping combustion/gasification of municipal solid waste. Chemical Engineering Journal, 2019, 365, 389-399.	6.6	33
50	Mechanism and kinetics of CO2 adsorption for TEPA- impregnated hierarchical mesoporous carbon in the presence of water vapor. Powder Technology, 2020, 368, 227-236.	2.1	33
51	Agglomerate size in an acoustic fluidized bed with sound assistance. Chemical Engineering and Processing: Process Intensification, 2007, 46, 307-313.	1.8	32
52	Reaction Mechanism of Coal Chemical Looping Process for Syngas Production with CaSO₄ Oxygen Carrier in the CO₂ Atmosphere. Industrial & Engineering Chemistry Research, 2012, 51, 10364-10373.	1.8	32
53	Performance of Ca-Based Oxygen Carriers Decorated by K₂CO₃ or Fe₂O₃ for Coal Chemical Looping Combustion. Energy & Fuels, 2014, 28, 7053-7060.	2.5	32
54	Transformation and Migration of Mercury during Chemical-Looping Gasification of Coal. Industrial & Engineering Chemistry Research, 2019, 58, 20481-20490.	1.8	32

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55	Kinetics of sodium borohydride hydrolysis catalyzed via carbon nanosheets supported Zr/Co. Journal of Power Sources, 2013, 231, 190-196.	4.0	31
56	Optimized Ni-based catalysts for methane reforming with O2-containing CO2. Applied Catalysis B: Environmental, 2021, 289, 120033.	10.8	31
57	Phenol preparation from catalytic pyrolysis of palm kernel shell at low temperatures. Bioresource Technology, 2018, 253, 214-219.	4.8	30
58	Experimental investigation on micro-scale phase change material based on sodium acetate trihydrate for thermal storage. Solar Energy, 2019, 193, 413-421.	2.9	30
59	Dynamics of Pressure Fluctuation in a Bubbling Fluidized Bed at High Temperature. Industrial & Engineering Chemistry Research, 2002, 41, 3482-3488.	1.8	29
60	CO₂ Adsorption Behavior of Activated Coal Char Modified with Tetraethylenepentamine. Energy & Fuels, 2016, 30, 3281-3288.	2.5	29
61	Simulation and experimental study on the desulfurization for smelter off-gas using a recycling Ca-based desulfurizer. Chemical Engineering Journal, 2016, 291, 225-237.	6.6	29
62	Synergistic Effect and Chlorine-Release Behaviors During Co-pyrolysis of LLDPE, PP, and PVC. ACS Omega, 2020, 5, 11291-11298.	1.6	28
63	TGâ€“MS study of the thermo-oxidative behavior of plastic automobile shredder residues. Journal of Hazardous Materials, 2012, 209-210, 443-448.	6.5	27
64	The effect of activated carbon fiber structure and loaded copper, cobalt, silver on the adsorption of dichloroethylene. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 273, 147-153.	2.3	26
65	Flow characteristics in an acoustic bubbling fluidized bed at high temperature. Chemical Engineering and Processing: Process Intensification, 2011, 50, 331-337.	1.8	26
66	RECENT ADVANCES IN CaSO₄OXYGEN CARRIER FOR CHEMICAL-LOOPING COMBUSTION (CLC) PROCESS. Chemical Engineering Communications, 2012, 199, 1463-1491.	1.5	26
67	Heterogeneous Fenton Degradation of Rhodamine B in Aqueous Solution Using Fe-Loaded Mesoporous MCM-41 as Catalyst. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	26
68	Research progress on catalysts for hydrogen generation through sodium borohydride alcoholysis. International Journal of Hydrogen Energy, 2022, 47, 5929-5946.	3.8	26
69	Investigation into NanoTiO₂/ACSPCR for Decomposition of Aqueous Hydroquinone. Industrial & Engineering Chemistry Research, 2008, 47, 2561-2568.	1.8	25
70	Adsorption and Photocatalytic Degradation Kinetics of Gaseous Cyclohexane in an Annular Fluidized Bed Photocatalytic Reactor. Industrial & Engineering Chemistry Research, 2010, 49, 4644-4652.	1.8	25
71	Investigation of Carbon Black Production from Coal Tar via Chemical Looping Pyrolysis. Energy & Fuels, 2016, 30, 3535-3540.	2.5	25
72	Effect of Perforated Ratios of Distributor on the Fluidization Characteristics in a Gasâ^'Solid Fluidized Bed. Industrial & Engineering Chemistry Research, 2009, 48, 517-527.	1.8	24

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73	Entropy-driven molecular switch and signal amplification for homogeneous SNPs detection. Chemical Communications, 2011, 47, 2895.	2.2	24
74	Thermal evolution of gas-liquid-solid products and migration regulation of C/H/O elements during biomass pyrolysis. Journal of Analytical and Applied Pyrolysis, 2021, 156, 105128.	2.6	24
75	The effect of carbon precursor on the pore size distribution of mesoporous carbon during templating synthesis process. Materials Letters, 2006, 60, 3517-3521.	1.3	23
76	Enhanced CO2 adsorption capacity of bi-amine co-tethered flue gas desulfurization gypsum with water of hydration. Journal of CO2 Utilization, 2020, 35, 115-125.	3.3	23
77	Supercritical water co-liquefaction of LLDPE and PP into oil: properties and synergy. Sustainable Energy and Fuels, 2021, 5, 575-583.	2.5	23
78	Effect of Gasifying Medium on the Coal Chemical Looping Gasification with CaSO4 as Oxygen Carrier. Chinese Journal of Chemical Engineering, 2014, 22, 1208-1214.	1.7	22
79	Experimental and numerical simulation of drying of lignite in a microwave-assisted fluidized bed. Fuel, 2019, 242, 149-159.	3.4	22
80	Ultrafine palladium nanoparticles anchored on NH2-functionalized reduced graphene oxide as efficient catalyst towards formic acid dehydrogenation. International Journal of Hydrogen Energy, 2020, 45, 30396-30403.	3.8	22
81	Exploring molecular structure characteristics and chemical index of Qinghua bituminous coal: A comprehensive insight from single molecule of macerals to particles with various sizes. Powder Technology, 2022, 396, 36-49.	2.1	22
82	Effects of NaOH on the catalytic pyrolysis of lignin/HZSM-5 to prepare aromatic hydrocarbons. Journal of Analytical and Applied Pyrolysis, 2020, 146, 104775.	2.6	21
83	Core-shell Na2WO4/CuMn2O4 oxygen carrier with high oxygen capacity for chemical looping oxidative dehydrogenation of ethane. Fuel, 2021, 303, 121286.	3.4	21
84	A Novel Blue-green-emitting Phosphor LiBaPO4:Eu2+ for White Light-emitting Diodes. Chemistry Letters, 2008, 37, 190-191.	0.7	20
85	A general method for high-performance Li-ion battery Ge composites electrodes from ionic liquid electrodeposition without binders or conductive agents: The cases of CNTs, RGO and PEDOT. Chemical Engineering Journal, 2018, 346, 427-437.	6.6	20
86	Treatment of isopropanol wastewater in an anaerobic fluidized bed microbial fuel cell filled with macroporous adsorptive resin as multifunctional biocarrier. Science of the Total Environment, 2020, 719, 137495.	3.9	20
87	Polymeric Membrane Fluoride-Selective Electrodes Using Lewis Acidic Organo-Antimony(V) Compounds as Ionophores. ACS Sensors, 2020, 5, 3465-3473.	4.0	19
88	Eosin Y-sensitized rose-like MoS_x and CeVO₄ construct a direct Z-scheme heterojunction for efficient photocatalytic hydrogen evolution. Catalysis Science and Technology, 2021, 11, 4749-4762.	2.1	19
89	Flow pattern transition in a large jetting fluidized bed with double nozzles. AICHE Journal, 2001, 47, 1309-1317.	1.8	18
90	Hydrodynamics and Axial Dispersion in a Gasâ"Liquidâ"(Solid) EL-ALR with Different Sparger Designs. Industrial & Engineering Chemistry Research, 2008, 47, 4008-4017.	1.8	18

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91	Preparation of Aromatic Hydrocarbons from Catalytic Pyrolysis of Microalgae/Palm Kernel Shell Using PKS Biochar-Based Catalysts. Energy & Fuels, 2019, 33, 379-388.	2.5	18
92	Rapid removal of low concentrations of mercury from wastewater using coal gasification slag. Korean Journal of Chemical Engineering, 2020, 37, 1166-1173.	1.2	18
93	Effect of ash on the performance of iron-based oxygen carrier in the chemical looping gasification of municipal sludge. Energy, 2021, 231, 120939.	4.5	18
94	Chlorine migration during hydrothermal carbonization of recycled paper wastes and fuel performance of hydrochar. Chemical Engineering Research and Design, 2022, 158, 495-502.	2.7	18
95	Effect of Ultrasonic Treatment on the Properties of Petroleum Coke Oil Slurry. Energy & Fuels, 2006, 20, 1959-1964.	2.5	17
96	Characterization of pressure fluctuation signals in an acoustic bubbling fluidized bed. Journal of the Taiwan Institute of Chemical Engineers, 2011, 42, 929-936.	2.7	17
97	Enhanced photocatalytic hydrogen evolution over semi-crystalline tungsten phosphide. International Journal of Hydrogen Energy, 2019, 44, 26848-26862.	3.8	17
98	Hydrogen-rich gas production from hydrochar derived from hydrothermal carbonization of PVC and alkali coal. Fuel Processing Technology, 2021, 222, 106959.	3.7	17
99	Suppressing byproduct formation for high selective CO2 reduction over optimized Ni/TiO2 based catalysts. Journal of Energy Chemistry, 2022, 72, 465-478.	7.1	17
100	Production of Electricity during Wastewater Treatment Using Fluidizedâ€Bed Microbial Fuel Cells. Chemical Engineering and Technology, 2014, 37, 703-708.	0.9	16
101	Characteristics of reactivity and structures of palm kernel shell (PKS) biochar during CO2/H2O mixture gasification. Chinese Journal of Chemical Engineering, 2018, 26, 2153-2161.	1.7	16
102	Experimental Study on Denitration Performance of Iron Complex-Based Absorption Solutions and Their Regeneration by Zn. Energy & Fuels, 2019, 33, 8998-9003.	2.5	16
103	Enhanced pyrolysis of palm kernel shell wastes to bio-based chemicals and syngas using red mud as an additive. Journal of Cleaner Production, 2020, 272, 122847.	4.6	16
104	Chemicalâ€looping gasification of coal with CuFe₂O₄ oxygen carriers: The reaction characteristics and structural evolution. Canadian Journal of Chemical Engineering, 2020, 98, 1512-1524.	0.9	16
105	Modulation of Fe-based oxygen carriers by low concentration doping of Cu in chemical looping process: Reactivity and mechanism based on experiments combined with DFT calculations. Powder Technology, 2021, 388, 474-484.	2.1	16
106	Value-added products from pyrolysis of hydrochar derived from polyvinyl chloride and alkali coal. Journal of Cleaner Production, 2021, 329, 129769.	4.6	16
107	Flow Characteristics in a Large Jetting Fluidized Bed with Two Nozzles. Industrial & Engineering Chemistry Research, 2000, 39, 746-751.	1.8	15
108	Fluidization Quality Improvement for Cohesive Particles by Fine Powder Coating. Industrial & Engineering Chemistry Research, 2006, 45, 1805-1810.	1.8	15

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109	Oxidization activated carbon fiber through nitrocellulose combustion. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 308, 20-24.	2.3	15
110	Corn Stalk Activated Carbon Based Co Catalyst Prepared by One-step Method for Hydrogen Generation. Procedia Engineering, 2015, 102, 450-457.	1.2	15
111	Multicycle investigation of a solâ€gelâ€derived Fe₂O₃/ATP oxygen carrier for coal chemical looping combustion. AICHE Journal, 2016, 62, 996-1006.	1.8	15
112	Safety integrity level analysis of fluid catalytic cracking fractionating system based on dynamic simulation. Journal of the Taiwan Institute of Chemical Engineers, 2019, 104, 16-26.	2.7	15
113	Nitrogenâ€doping microporous adsorbents prepared from palm kernel with excellent CO₂ capture property. Canadian Journal of Chemical Engineering, 2020, 98, 503-512.	0.9	15
114	Removal of mercury from flue gas using coal gasification slag. Fuel Processing Technology, 2022, 231, 107258.	3.7	15
115	Flow Behaviors in a Circulating Fluidized Bed with Various Bubble Cap Distributors. Industrial & Engineering Chemistry Research, 2004, 43, 1756-1764.	1.8	14
116	Flow Characteristics in a Jetting Fluidized Bed with Acoustic Assistance. Industrial & Engineering Chemistry Research, 2010, 49, 7638-7645.	1.8	14
117	Hydrodynamic Performance of a Spoutâ€“Fluid Bed with Draft Tube at Different Temperatures. Industrial & Engineering Chemistry Research, 2014, 53, 1999-2010.	1.8	14
118	Structural Strategies for Germaniumâ€Based Anode Materials to Enhance Lithium Storage. Particle and Particle Systems Characterization, 2019, 36, 1900248.	1.2	14
119	SO2 removing from smelter off-gas by converting to elemental sulfur with application of CaS particles synthesized by solvothermal method. Fuel, 2019, 255, 115702.	3.4	14
120	Novel design and dynamic control of coal pyrolysis wastewater treatment process. Separation and Purification Technology, 2020, 241, 116725.	3.9	14
121	Analysis of the role of Cu for improving the reactivity of Cu-modified Fe2O3 oxygen carriers in the chemical looping gasification process with coal. Fuel, 2021, 305, 121619.	3.4	14
122	Combustion and slagging characteristics of hydrochar derived from the co-hydrothermal carbonization of PVC and alkali coal. Energy, 2022, 244, 122653.	4.5	14
123	A promising composite bimetallic catalyst for producing CH4-rich syngas from bitumite one-step gasification. Energy Conversion and Management, 2020, 205, 112408.	4.4	13
124	Experimental Investigation on the Multi-cycle Performance of Coal/Straw Chemical Loop Combustion with Î±-Fe₂O₃ as the Oxygen Carrier. Energy & Fuels, 2014, 28, 4162-4166.	2.5	12
125	Moisture re-adsorption characteristics of hydrochar generated from the Co-hydrothermal carbonization of PVC and alkali coal. Fuel Processing Technology, 2021, 213, 106636.	3.7	12
126	Multi-scale modeling and control of chemical looping gasification coupled coal pyrolysis system for cleaner production of synthesis gas. Journal of Cleaner Production, 2021, 299, 126903.	4.6	12

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127	Kinetics study on hydrothermal dechlorination of poly(vinyl chloride) by in-situ sampling. Environmental Technology and Innovation, 2021, 23, 101703.	3.0	12
128	Experimental and Numerical Simulation for Gasâ^'Liquid Phases Flow Structure in an External-Loop Airlift Reactor. Industrial & Engineering Chemistry Research, 2007, 46, 7317-7327.	1.8	11
129	Experimental measurement and numerical simulation for liquid flow velocity and local phase hold-ups in the riser of a GLSCFB. Chemical Engineering and Processing: Process Intensification, 2009, 48, 288-295.	1.8	11
130	Analysis of organic compoundsâ€™ degradation and electricity generation in anaerobic fluidized bed microbial fuel cell for coking wastewater treatment. Environmental Technology (United Kingdom), 2017, 38, 3115-3121.	1.2	11
131	Performance Evaluation of a Gypsum-Based Desulfurizer for Sulfur Recovery from the Smelter Off-Gas: Experimental Analysis and Thermodynamic Performance. Energy & Fuels, 2018, 32, 2009-2018.	2.5	11
132	Properties of flash hydrated and agglomerated particles of CFB fly ashes. Fuel Processing Technology, 2007, 88, 215-220.	3.7	10
133	Experimental and numerical research for fluidization behaviors in a gasâ€“solid acoustic fluidized bed. AICHE Journal, 2010, 56, 1726-1736.	1.8	10
134	Thermodynamic investigation into carbon deposition and sulfur evolution in a Ca-based chemical-looping combustion system. Chemical Engineering Research and Design, 2011, 89, 1524-1532.	2.7	10
135	Effect of Sodium Removal on Chemical Looping Combustion of High-Sodium Coal with Hematite as an Oxygen Carrier. Energy & Fuels, 2019, 33, 2153-2165.	2.5	10
136	Polymeric Membrane Electrodes Using Calix[4]pyrrole Bis/Tetra-Phosphonate Cavitands as Ionophores for Potentiometric Acetylcholine Sensing with High Selectivity. Analytical Chemistry, 2020, 92, 14740-14746.	3.2	10
137	Enhancement of bituminous coal pyrolysis for BTX production by Fe2O3/MoSi2-HZSM-5 catalysts. Journal of Analytical and Applied Pyrolysis, 2020, 150, 104867.	2.6	10
138	Effect of high-temperature and microwave expanding modification on reactivity of coal char for char-NO interaction. Science of the Total Environment, 2021, 760, 144028.	3.9	10
139	Efficient CO2 adsorption and mechanism on nitrogen-doped porous carbons. Frontiers of Chemical Science and Engineering, 2021, 15, 493-504.	2.3	10
140	Flow maldistribution at bubble cap distributor in a plant-scale circulating fluidized bed riser. AICHE Journal, 2005, 51, 1359-1366.	1.8	9
141	Influence of a gas maldistribution of distributor design on the hydrodynamics of a CFB riser. Chemical Engineering and Processing: Process Intensification, 2008, 47, 237-244.	1.8	9
142	Derivation of hierarchical mesoporous carbon particles from starch. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 316, 313-316.	2.3	9
143	Numerical and Experimental Research on Chemical Looping Pyrolysis of Coal Tar in a Fluidized Bed Reactor. Energy & Fuels, 2018, 32, 10024-10031.	2.5	9
144	Performance of anaerobic fluidized bed microbial fuel cell with different porous anodes. Chinese Journal of Chemical Engineering, 2020, 28, 846-853.	1.7	9

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145	S, O dual-doped porous carbon derived from activation of waste papers as electrodes for high performance lithium ion capacitors. Nanoscale Advances, 2021, 3, 738-746.	2.2	9
146	Simultaneous magnesia regeneration and sulfur dioxide generation in magnesium-based flue gas desulfurization process. Journal of Cleaner Production, 2021, 284, 124720.	4.6	9
147	Co-production of upgraded bio-oils and H2-rich gas from microalgae via chemical looping pyrolysis. International Journal of Hydrogen Energy, 2021, 46, 24942-24955.	3.8	9
148	Study on multi-cycle reaction performance of Fe/Al compound oxygen carriers in chemical-looping pyrolysis of coal tar. Chemical Engineering Science, 2020, 217, 115530.	1.9	9
149	Cooperative Effect of ZIF-67-Derived Hollow NiCo-LDH and MoS2 on Enhancing the Flame Retardancy of Thermoplastic Polyurethane. Polymers, 2022, 14, 2204.	2.0	9
150	Gas Discharge Patterns in a Large Jetting Fluidized Bed with a Vertical Nozzle. Industrial & Engineering Chemistry Research, 2001, 40, 3689-3696.	1.8	8
151	Fluidization in combined acoustic-magnetic field for mixtures of ultrafine particles. Particuology: Science and Technology of Particles, 2007, 5, 111-115.	0.4	8
152	Product Composition of Pyrolyzed Sewage Sludge and Adsorption of Methylene Blue by Porous Material Derived from It. Environmental Engineering Science, 2008, 25, 99-105.	0.8	8
153	Investigation into a gasâ€“solidâ€“solid three-phase fluidized-bed carbonator to capture CO2 from combustion flue gas. Chemical Engineering Science, 2011, 66, 375-383.	1.9	8
154	A composite obtained from waste automotive plastics and sugarcane skin flour: Mechanical properties and thermo-chemical analysis. Powder Technology, 2019, 347, 27-34.	2.1	8
155	Comparative study of solvent extraction and supported liquid membrane for the extraction of gallium (III) from chloride solution using organophosphorus acids as extractants. Separation Science and Technology, 2020, 55, 3012-3027.	1.3	8
156	Treatment of m-Cresol Wastewater in an Anaerobic Fluidized Bed Microbial Fuel Cell Equipped with Different Modified Carbon Cloth Cathodes. Energy & Fuels, 2020, 34, 10059-10066.	2.5	8
157	Characterization and Performance of Ca-Substituted La1â^'xCaxCoO3â^'Î´ Perovskite for Efficient CatalyticÂOxidationÂofÂToluene. Catalysis Letters, 2021, 151, 3323-3333.	1.4	8
158	Chemical looping staged conversion of microalgae with calcium ferrite as oxygen carrier: Pyrolysis and gasification characteristics. Journal of Analytical and Applied Pyrolysis, 2021, 156, 105129.	2.6	8
159	Nitrogen migration in coal during the chemical looping gasification reduction process using a nickel-based oxygen carrier. Journal of Analytical and Applied Pyrolysis, 2021, 159, 105331.	2.6	8
160	Transformation and Migrant Mechanism of Sulfur and Nitrogen during Chemical Looping Combustion with CuFe2O4. Atmosphere, 2022, 13, 786.	1.0	8
161	Role of CuFe2O4 in elemental mercury adsorption and oxidation on modified bentonite for coal gasification. Fuel, 2022, 328, 125231.	3.4	8
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