

Qingjie Guo

List of Publications by Year in descending order

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236
papers

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#	ARTICLE	IF	CITATIONS
1	Exploring molecular structure characteristics and chemical index of Qinghua bituminous coal: A comprehensive insight from single molecule of macerals to particles with various sizes. <i>Powder Technology</i> , 2022, 396, 36-49.	2.1	22
2	Combustion and slagging characteristics of hydrochar derived from the co-hydrothermal carbonization of PVC and alkali coal. <i>Energy</i> , 2022, 244, 122653.	4.5	14
3	Chlorine migration during hydrothermal carbonization of recycled paper wastes and fuel performance of hydrochar. <i>Chemical Engineering Research and Design</i> , 2022, 158, 495-502.	2.7	18
4	Depositional characteristics of Ningdong coal under a reducing atmosphere. <i>Canadian Journal of Chemical Engineering</i> , 2022, 100, 3253-3262.	0.9	0
5	Research progress on catalysts for hydrogen generation through sodium borohydride alcoholysis. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 5929-5946.	3.8	26
6	Study on the mechanism of anaerobic fluidized bed microbial fuel cell for coal chemical wastewater treatment. <i>Bioprocess and Biosystems Engineering</i> , 2022, 45, 481-492.	1.7	3
7	Inhibited grain growth to strengthen the redox performance of CuFe ₂ O ₄ via SiO ₂ as a support for the chemical looping gasification. <i>Journal of Materials Research and Technology</i> , 2022, 17, 1302-1310.	2.6	6
8	The State-of-the-Art Functionalized Nanomaterials for Carbon Dioxide Separation Membrane. <i>Membranes</i> , 2022, 12, 186.	1.4	1
9	Insights into the Molecular Structure of Yangchangwan Subbituminous Coal Based on the Combination of Experimental and Multi-Scale Computational Descriptions. <i>Solid Fuel Chemistry</i> , 2022, 56, 67-77.	0.2	6
10	Behavior of Selenium during Chemical-Looping Gasification of Coal Using Copper-Based Oxygen Carrier. <i>Atmosphere</i> , 2022, 13, 547.	1.0	3
11	Supported Liquid Membranes Based on Bifunctional Ionic Liquids for Selective Recovery of Gallium. <i>Membranes</i> , 2022, 12, 376.	1.4	5
12	A Molten-Salt Pyrolysis Synthesis Strategy toward Sulfur-Functionalized Carbon for Elemental Mercury Removal from Coal-Combustion Flue Gas. <i>Energies</i> , 2022, 15, 1840.	1.6	6
13	Amine-Modified Biochar for the Efficient Adsorption of Carbon Dioxide in Flue Gas. <i>Atmosphere</i> , 2022, 13, 579.	1.0	5
14	Removal of mercury from flue gas using coal gasification slag. <i>Fuel Processing Technology</i> , 2022, 231, 107258.	3.7	15
15	Suppressing byproduct formation for high selective CO ₂ reduction over optimized Ni/TiO ₂ based catalysts. <i>Journal of Energy Chemistry</i> , 2022, 72, 465-478.	7.1	17
16	Sr _{1-x} K _x FeO ₃ Perovskite Catalysts with Enhanced RWGS Reactivity for CO ₂ Hydrogenation to Light Olefins. <i>Atmosphere</i> , 2022, 13, 760.	1.0	4
17	Transformation and Migrant Mechanism of Sulfur and Nitrogen during Chemical Looping Combustion with CuFe ₂ O ₄ . <i>Atmosphere</i> , 2022, 13, 786.	1.0	8
18	Comprehensive optimization of coal chemical looping gasification process for low CO ₂ emission based on multi-scale simulation coupled experiment. <i>Fuel</i> , 2022, 324, 124464.	3.4	4

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19	Cooperative Effect of ZIF-67-Derived Hollow NiCo-LDH and MoS ₂ on Enhancing the Flame Retardancy of Thermoplastic Polyurethane. <i>Polymers</i> , 2022, 14, 2204.	2.0	9
20	Role of CuFe ₂ O ₄ in elemental mercury adsorption and oxidation on modified bentonite for coal gasification. <i>Fuel</i> , 2022, 328, 125231.	3.4	8
21	Energy and economic analysis of a hydrogen and ammonia co-generation system based on double chemical looping. <i>Chinese Journal of Chemical Engineering</i> , 2021, 36, 190-198.	1.7	5
22	CeO ₂ –CrO ₃ /Al ₂ O ₃ redox catalyst for the oxidative dehydrogenation of propane to propylene. <i>Canadian Journal of Chemical Engineering</i> , 2021, 99, 235-250.	0.9	6
23	Preparation and kinetic study of organic amine-loaded ion-exchange resin as CO ₂ adsorbents. <i>Environmental Progress and Sustainable Energy</i> , 2021, 40, .	1.3	3
24	Ordered Self-supporting NiV LDHs@P-Nickel foam Nano-array as High-Performance supercapacitor electrode. <i>Journal of Colloid and Interface Science</i> , 2021, 583, 1-12.	5.0	53
25	Effect of high-temperature and microwave expanding modification on reactivity of coal char for char-NO interaction. <i>Science of the Total Environment</i> , 2021, 760, 144028.	3.9	10
26	Development of inexpensive perovskite Mn-based oxygen carriers using the waste manganese sand for chemical looping gasification. <i>International Journal of Energy Research</i> , 2021, 45, 2416-2431.	2.2	5
27	Deploying hydrogen bond donor/acceptor on aryethynyl scaffold II: Urea based tripodal ionophores for polymeric membrane nitrate selective electrodes. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129151.	4.0	3
28	Moisture re-adsorption characteristics of hydrochar generated from the Co-hydrothermal carbonization of PVC and alkali coal. <i>Fuel Processing Technology</i> , 2021, 213, 106636.	3.7	12
29	S, O dual-doped porous carbon derived from activation of waste papers as electrodes for high performance lithium ion capacitors. <i>Nanoscale Advances</i> , 2021, 3, 738-746.	2.2	9
30	Simultaneous magnesia regeneration and sulfur dioxide generation in magnesium-based flue gas desulfurization process. <i>Journal of Cleaner Production</i> , 2021, 284, 124720.	4.6	9
31	Efficient CO ₂ adsorption and mechanism on nitrogen-doped porous carbons. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 493-504.	2.3	10
32	Research of coal-direct chemical looping hydrogen generation with iron-based oxygen carrier modified by NaAlO ₂ . <i>Canadian Journal of Chemical Engineering</i> , 2021, 99, 578-589.	0.9	5
33	Eosin Y-sensitized rose-like MoS _x and CeVO ₄ construct a direct Z-scheme heterojunction for efficient photocatalytic hydrogen evolution. <i>Catalysis Science and Technology</i> , 2021, 11, 4749-4762.	2.1	19
34	Simulation study on the gasification process of Ningdong coal with iron-based oxygen carrier. <i>Chinese Journal of Chemical Engineering</i> , 2021, 29, 326-334.	1.7	4
35	Porous structure O-rich carbon nanotubes as anode material for sodium-ion batteries. <i>Ionics</i> , 2021, 27, 667-675.	1.2	5
36	Supercritical water co-liquefaction of LLDPE and PP into oil: properties and synergy. <i>Sustainable Energy and Fuels</i> , 2021, 5, 575-583.	2.5	23

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37	Intramolecularly hydrogen-bonded cavity containing macrocyclic/acyclic aromatic pyridone foldarands as modularly tunable ionophores for selective potentiometric sensing of metal ions. <i>Sensors and Actuators B: Chemical</i> , 2021, 331, 129385.	4.0	3
38	Experimental and mechanistic study on chemical looping combustion of caking coal. <i>Chinese Journal of Chemical Engineering</i> , 2021, 37, 89-96.	1.7	4
39	Characterization and Performance of Ca-Substituted $\text{La}_{1-x}\text{Ca}_x\text{CoO}_3$ Perovskite for Efficient Catalytic Oxidation of Toluene. <i>Catalysis Letters</i> , 2021, 151, 3323-3333.	1.4	8
40	Adsorption-enrichment characterization of CO_2 and dynamic retention of free NH_3 in functionalized biochar with $\text{H}_2\text{O}/\text{NH}_3$ - H_2O activation for promotion of new ammonia-based carbon capture. <i>Chemical Engineering Journal</i> , 2021, 409, 128193.	6.6	58
41	Multi-scale modeling and control of chemical looping gasification coupled coal pyrolysis system for cleaner production of synthesis gas. <i>Journal of Cleaner Production</i> , 2021, 299, 126903.	4.6	12
42	Synergistic interactions between biochar reacted with steam and CO_2 originating from a diffusion reaction state and intrinsic ash. <i>Fuel Processing Technology</i> , 2021, 215, 106754.	3.7	7
43	Thermal evolution of gas-liquid-solid products and migration regulation of C/H/O elements during biomass pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 156, 105128.	2.6	24
44	Chemical looping staged conversion of microalgae with calcium ferrite as oxygen carrier: Pyrolysis and gasification characteristics. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 156, 105129.	2.6	8
45	Mechanism of biochar-gas-tar-soot formation during pyrolysis of different biomass feedstocks: Effect of inherent metal species. <i>Fuel</i> , 2021, 293, 120409.	3.4	34
46	Co-production of upgraded bio-oils and H_2 -rich gas from microalgae via chemical looping pyrolysis. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 24942-24955.	3.8	9
47	The competitive adsorption mechanism of CO_2 , H_2O and O_2 on a solid amine adsorbent. <i>Chemical Engineering Journal</i> , 2021, 416, 129007.	6.6	45
48	Optimized Ni-based catalysts for methane reforming with O_2 -containing CO_2 . <i>Applied Catalysis B: Environmental</i> , 2021, 289, 120033.	10.8	31
49	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. <i>Powder Technology</i> , 2021, 388, 474-484.	2.1	16
50	Reactivity of iron-based oxygen carriers with coal ash in pressurized chemical looping gasification. <i>Fuel Processing Technology</i> , 2021, 219, 106890.	3.7	7
51	Kinetics study on hydrothermal dechlorination of poly(vinyl chloride) by in-situ sampling. <i>Environmental Technology and Innovation</i> , 2021, 23, 101703.	3.0	12
52	Polypropylene Composites Reinforced by Nonmetallic from Waste Printed Circuit Boards Using Spout-Fluid Bed Coating with PP Particles Enhance Fluidization. <i>Polymers</i> , 2021, 13, 3106.	2.0	3
53	Preparation of macroporous ion-exchange resin organic amine composite material by using waste plastics and its application in CO_2 capture. <i>Environmental Technology (United Kingdom)</i> , 2021, , 1-23.	1.2	0
54	Theoretical Studies on the Oligomerization of Silicate Species in Basic Solution. <i>Journal of Physical Chemistry A</i> , 2021, 125, 8827-8835.	1.1	5

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55	Effect of ash on the performance of iron-based oxygen carrier in the chemical looping gasification of municipal sludge. <i>Energy</i> , 2021, 231, 120939.	4.5	18
56	Deploying hydrogen bond donor/acceptor on arylethynyl scaffold I: PN-heterocycles and urea based cleft ionophores for hydrosulfide/hydrosulfate selective electrodes. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130413.	4.0	3
57	Nitrogen migration in coal during the chemical looping gasification reduction process using a nickel-based oxygen carrier. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 159, 105331.	2.6	8
58	Activation of peroxymonosulfate by bimetallic CoMn oxides loaded on coal fly ash-derived SBA-15 for efficient degradation of Rhodamine B. <i>Separation and Purification Technology</i> , 2021, 274, 119081.	3.9	64
59	Hydrogen-rich gas production from hydrochar derived from hydrothermal carbonization of PVC and alkali coal. <i>Fuel Processing Technology</i> , 2021, 222, 106959.	3.7	17
60	Core-shell Na ₂ WO ₄ /CuMn ₂ O ₄ oxygen carrier with high oxygen capacity for chemical looping oxidative dehydrogenation of ethane. <i>Fuel</i> , 2021, 303, 121286.	3.4	21
61	Analysis of the role of Cu for improving the reactivity of Cu-modified Fe ₂ O ₃ oxygen carriers in the chemical looping gasification process with coal. <i>Fuel</i> , 2021, 305, 121619.	3.4	14
62	Bifunctional catalysts AC/Cu ₂ O/CuO for removal of organic pollutant with enhanced visible light photocatalysis. <i>Chemical Physics Impact</i> , 2021, 3, 100041.	1.7	5
63	Hydrogen Bond-Based Macrocyclic and Tripodal Neutral Ionophores for Highly Selective Polymeric Membrane Sulfate-Selective Electrodes. <i>ACS Sensors</i> , 2021, 6, 245-251.	4.0	3
64	Value-added products from pyrolysis of hydrochar derived from polyvinyl chloride and alkali coal. <i>Journal of Cleaner Production</i> , 2021, 329, 129769.	4.6	16
65	Nitrogen-doping microporous adsorbents prepared from palm kernel with excellent CO ₂ capture property. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 503-512.	0.9	15
66	Study of cluster characteristics in a circulating fluidized bed riser. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020, 42, 1553-1564.	1.2	2
67	Comparative study of solvent extraction and supported liquid membrane for the extraction of gallium (III) from chloride solution using organophosphorus acids as extractants. <i>Separation Science and Technology</i> , 2020, 55, 3012-3027.	1.3	8
68	Enhanced CO ₂ adsorption capacity of bi-amine co-tethered flue gas desulfurization gypsum with water of hydration. <i>Journal of CO₂ Utilization</i> , 2020, 35, 115-125.	3.3	23
69	Hierarchical structure N, O-co-doped porous carbon/carbon nanotube composite derived from coal for supercapacitors and CO ₂ capture. <i>Nanoscale Advances</i> , 2020, 2, 878-887.	2.2	40
70	Efficient removal of oil pollutant via simultaneous adsorption and photocatalysis using La ³⁺ -TiO ₂ /cellulose/SiO ₂ difunctional aerogel composite. <i>Research on Chemical Intermediates</i> , 2020, 46, 1805-1822.	1.3	7
71	A promising composite bimetallic catalyst for producing CH ₄ -rich syngas from bitumite one-step gasification. <i>Energy Conversion and Management</i> , 2020, 205, 112408.	4.4	13
72	Gasification of real MSW-derived hydrochar under various atmosphere and temperature. <i>Thermochimica Acta</i> , 2020, 683, 178470.	1.2	37

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73	Polymeric Membrane Electrodes Using Calix[4]pyrrole Bis/Tetra-Phosphonate Cavitands as Ionophores for Potentiometric Acetylcholine Sensing with High Selectivity. <i>Analytical Chemistry</i> , 2020, 92, 14740-14746.	3.2	10
74	Effects of Different Biological Carriers in Microbial Fuel Cells. <i>ACS Omega</i> , 2020, 5, 21623-21630.	1.6	2
75	Enhanced pyrolysis of palm kernel shell wastes to bio-based chemicals and syngas using red mud as an additive. <i>Journal of Cleaner Production</i> , 2020, 272, 122847.	4.6	16
76	The effect of the Ce content on the oxidative dehydrogenation of propane over CrO ₂ -CeO ₂ /Al ₂ O ₃ catalysts. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 3035-3043.	1.7	6
77	Mn _{0.2} Cd _{0.8} S nanorods assembled with 0D CoWO ₄ nanoparticles formed p-n heterojunction for efficient photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 26733-26745.	3.8	43
78	Treatment of <i>m</i> -Cresol Wastewater in an Anaerobic Fluidized Bed Microbial Fuel Cell Equipped with Different Modified Carbon Cloth Cathodes. <i>Energy & Fuels</i> , 2020, 34, 10059-10066.	2.5	8
79	Ultrafine palladium nanoparticles anchored on NH ₂ -functionalized reduced graphene oxide as efficient catalyst towards formic acid dehydrogenation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 30396-30403.	3.8	22
80	A sea-urchin-structured NiCo ₂ O ₄ decorated Mn _{0.05} Cd _{0.95} S p-n heterojunction for enhanced photocatalytic hydrogen evolution. <i>Dalton Transactions</i> , 2020, 49, 13393-13405.	1.6	39
81	Polymeric Membrane Fluoride-Selective Electrodes Using Lewis Acidic Organo-Antimony(V) Compounds as Ionophores. <i>ACS Sensors</i> , 2020, 5, 3465-3473.	4.0	19
82	Synergistic Effect and Chlorine-Release Behaviors During Co-pyrolysis of LLDPE, PP, and PVC. <i>ACS Omega</i> , 2020, 5, 11291-11298.	1.6	28
83	Enhancement of bituminous coal pyrolysis for BTX production by Fe ₂ O ₃ /MoSi ₂ -HZSM-5 catalysts. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020, 150, 104867.	2.6	10
84	Kinetics of Coal Char Gasification with Fe-Based Oxygen Carriers under Pressured Conditions. <i>Energy & Fuels</i> , 2020, 34, 6879-6893.	2.5	7
85	TiO ₂ as an interfacial-charge-transfer-bridge to construct eosin Y-mediated direct Z-scheme electron transfer over a Co ₉ S ₈ quantum dot/TiO ₂ photocatalyst. <i>Catalysis Science and Technology</i> , 2020, 10, 5267-5280.	2.1	48
86	Rapid removal of low concentrations of mercury from wastewater using coal gasification slag. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1166-1173.	1.2	18
87	Directional preparation of naphthalene oil-rich tar from Beisu low-rank coal by low-temperature catalytic pyrolysis. <i>Carbon Resources Conversion</i> , 2020, 3, 67-75.	3.2	6
88	Treatment of isopropanol wastewater in an anaerobic fluidized bed microbial fuel cell filled with macroporous adsorptive resin as multifunctional biocarrier. <i>Science of the Total Environment</i> , 2020, 719, 137495.	3.9	20
89	Efficient degradation of methyl orange in water via both radical and non-radical pathways using Fe-Co bimetal-doped MCM-41 as peroxydisulfate activator. <i>Chemical Engineering Journal</i> , 2020, 402, 125881.	6.6	110
90	Adsorption of Tetracycline by Shrimp Shell Waste from Aqueous Solutions: Adsorption Isotherm, Kinetics Modeling, and Mechanism. <i>ACS Omega</i> , 2020, 5, 3467-3477.	1.6	75

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91	Novel design and dynamic control of coal pyrolysis wastewater treatment process. Separation and Purification Technology, 2020, 241, 116725.	3.9	14
92	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
93	Chemical-looping gasification of coal with CuFe ₂ O ₄ oxygen carriers: The reaction characteristics and structural evolution. Canadian Journal of Chemical Engineering, 2020, 98, 1512-1524.	0.9	16
94	3D layered nano-flower MoS _x 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
95	Mechanism and kinetics of CO ₂ adsorption for TEPA- impregnated hierarchical mesoporous carbon in the presence of water vapor. Powder Technology, 2020, 368, 227-236.	2.1	33
96	Catalytic hydrolysis of alkaline sodium borohydride solution for hydrogen evolution in a micro-scale fluidized bed reactor. International Journal of Energy Research, 2020, 44, 6758-6766.	2.2	5
97	Performance of anaerobic fluidized bed microbial fuel cell with different porous anodes. Chinese Journal of Chemical Engineering, 2020, 28, 846-853.	1.7	9
98	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
99	Investigation of Chemical-looping Gasification Characteristics of Chinese Western Coals with Hematite-CuO Oxygen Carrier. E3S Web of Conferences, 2020, 213, 01002.	0.2	1
100	Investigation on the Chemical-Looping Reaction Characteristics of Ningdong Coal with Manganese Ore. ACS Omega, 2020, 5, 27261-27268.	1.6	0
101	Investigation on the Chemical-Looping Reaction Characteristics of Ningdong Coal with Manganese Ore. ACS Omega, 2020, 5, 27261-27268.	1.6	3
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	Structural Strategies for Germanium-Based Anode Materials to Enhance Lithium Storage. Particle and Particle Systems Characterization, 2019, 36, 1900248.	1.2	14
104	Influence of CaO and HZSM-5 on oxygen migration in Chlorella vulgaris polysaccharide pyrolysis. Carbon Resources Conversion, 2019, 2, 111-116.	3.2	7
105	Nitrogen and Oxygen Codoped Porous Carbon with Superior CO ₂ Adsorption Performance: A Combined Experimental and DFT Calculation Study. Industrial & Engineering Chemistry Research, 2019, 58, 13390-13400.	1.8	52
106	SO ₂ 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
107	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
108	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

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109	Effect of hydration-calcination CaO on the deoxygenation of bio-oil from pyrolysis of <i>Nannochloropsis</i> sp.. <i>International Journal of Green Energy</i> , 2019, 16, 1179-1188.	2.1	4
110	Enhanced photocatalytic hydrogen evolution over semi-crystalline tungsten phosphide. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 26848-26862.	3.8	17
111	Transformation and Migration of Mercury during Chemical-Looping Gasification of Coal. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 20481-20490.	1.8	32
112	Intrinsic adsorption properties of raw coal fly ash for quinoline from aqueous solution: kinetic and equilibrium studies. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	6
113	Effect of Coal Ash on Fe-Based Oxygen Carrier in Coal Char Chemical Looping Gasification. <i>International Journal of Chemical Reactor Engineering</i> , 2019, 17, .	0.6	5
114	Polyetheramine improves the CO ₂ adsorption behavior of tetraethylenepentamine-functionalized sorbents. <i>Chemical Engineering Journal</i> , 2019, 364, 475-484.	6.6	38
115	Effects of Bi ₂ O ₃ on the Reactivity of Iron-Based Oxygen Carriers in Chemical Looping Combustion. <i>Energy & Fuels</i> , 2019, 33, 3594-3601.	2.5	7
116	A composite obtained from waste automotive plastics and sugarcane skin flour: Mechanical properties and thermo-chemical analysis. <i>Powder Technology</i> , 2019, 347, 27-34.	2.1	8
117	Effect of Sodium Removal on Chemical Looping Combustion of High-Sodium Coal with Hematite as an Oxygen Carrier. <i>Energy & Fuels</i> , 2019, 33, 2153-2165.	2.5	10
118	Transformation and migration of cadmium during chemical-looping combustion/gasification of municipal solid waste. <i>Chemical Engineering Journal</i> , 2019, 365, 389-399.	6.6	33
119	Experimental and numerical simulation of drying of lignite in a microwave-assisted fluidized bed. <i>Fuel</i> , 2019, 242, 149-159.	3.4	22
120	Enhancement of low-temperature lignite pyrolysis by recycled carbocoal for high-quality tar in fixed-bed reactor. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 1792-1802.	0.9	1
121	Preparation of Aromatic Hydrocarbons from Catalytic Pyrolysis of Microalgae/Palm Kernel Shell Using PKS Biochar-Based Catalysts. <i>Energy & Fuels</i> , 2019, 33, 379-388.	2.5	18
122	Synthesis of MOF-derived Co@C composites and application for efficient hydrolysis of sodium borohydride. <i>Applied Surface Science</i> , 2019, 469, 764-769.	3.1	69
123	Catalytic Gasification of Crushed Coke and Changes of Structural Characteristics. <i>Energy & Fuels</i> , 2018, 32, 3356-3367.	2.5	33
124	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. <i>Chemical Engineering Journal</i> , 2018, 346, 427-437.	6.6	20
125	Phenol preparation from catalytic pyrolysis of palm kernel shell at low temperatures. <i>Bioresource Technology</i> , 2018, 253, 214-219.	4.8	30
126	Performance Evaluation of a Gypsum-Based Desulfurizer for Sulfur Recovery from the Smelter Off-Gas: Experimental Analysis and Thermodynamic Performance. <i>Energy & Fuels</i> , 2018, 32, 2009-2018.	2.5	11

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127	Study on the flow behavior of irregular plastic particles in a spout-fluid bed with a draft tube. <i>Particulate Science and Technology</i> , 2018, 36, 945-954.	1.1	2
128	The further activation and functionalization of semicoke for CO ₂ capture from flue gases. <i>RSC Advances</i> , 2018, 8, 35521-35527.	1.7	5
129	Production of aromatic hydrocarbons by catalytic co-pyrolysis of microalgae and polypropylene using HZSM-5. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 136, 178-185.	2.6	53
130	Heterogeneous Fenton Degradation of Rhodamine B in Aqueous Solution Using Fe-Loaded Mesoporous MCM-41 as Catalyst. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	26
131	Enhanced storage capability by biomass-derived porous carbon for lithium-ion and sodium-ion battery anodes. <i>Sustainable Energy and Fuels</i> , 2018, 2, 2358-2365.	2.5	36
132	Characteristics of reactivity and structures of palm kernel shell (PKS) biochar during CO ₂ /H ₂ O mixture gasification. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 2153-2161.	1.7	16
133	Numerical and Experimental Research on Chemical Looping Pyrolysis of Coal Tar in a Fluidized Bed Reactor. <i>Energy & Fuels</i> , 2018, 32, 10024-10031.	2.5	9
134	Characteristics of a CaSO ₄ composite oxygen carrier supported with an active material for <i>in situ</i> gasification chemical looping combustion of coal. <i>RSC Advances</i> , 2018, 8, 23372-23381.	1.7	6
135	A synergistic effect during the co-pyrolysis of <i>Nannochloropsis</i> sp. and palm kernel shell for aromatic hydrocarbon production. <i>Energy Conversion and Management</i> , 2018, 173, 545-554.	4.4	35
136	Analysis of organic compounds' degradation and electricity generation in anaerobic fluidized bed microbial fuel cell for coking wastewater treatment. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 3115-3121.	1.2	11
137	Experimental Research and Numerical Simulation on Fine Particulate Matter Removal by Foam Agglomeration Method. <i>Energy & Fuels</i> , 2017, 31, 10206-10211.	2.5	1
138	CO ₂ Adsorption Behavior of Activated Coal Char Modified with Tetraethylenepentamine. <i>Energy & Fuels</i> , 2016, 30, 3281-3288.	2.5	29
139	Simulation and experimental study on the desulfurization for smelter off-gas using a recycling Ca-based desulfurizer. <i>Chemical Engineering Journal</i> , 2016, 291, 225-237.	6.6	29
140	Multicycle investigation of a sol-gel-derived Fe ₂ O ₃ /ATP oxygen carrier for coal chemical looping combustion. <i>AIChE Journal</i> , 2016, 62, 996-1006.	1.8	15
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