

Jing-Pei Cao

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Recent advances in syngas production from biomass catalytic gasification: A critical review on reactors, catalysts, catalytic mechanisms and mathematical models. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 116, 109426.	8.2	248
2	Nitrogen transformations during fast pyrolysis of sewage sludge. <i>Fuel</i> , 2013, 104, 1-6.	3.4	217
3	Pyrolysis kinetics of soybean straw using thermogravimetric analysis. <i>Fuel</i> , 2016, 169, 93-98.	3.4	173
4	In situ upgrading of Shengli lignite pyrolysis vapors over metal-loaded HZSM-5 catalyst. <i>Fuel Processing Technology</i> , 2017, 160, 19-26.	3.7	155
5	Catalytic upgrading of pyrolysis vapors from lignite over mono/bimetal-loaded mesoporous HZSM-5. <i>Fuel</i> , 2018, 218, 33-40.	3.4	149
6	Biomass thermochemical conversion: A review on tar elimination from biomass catalytic gasification. <i>Journal of the Energy Institute</i> , 2020, 93, 1083-1098.	2.7	138
7	Methanation of syngas from biomass gasification: An overview. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 4223-4243.	3.8	119
8	Catalytic Conversion of Coal and Biomass Volatiles: A Review. <i>Energy & Fuels</i> , 2020, 34, 10307-10363.	2.5	110
9	Influences of pyrolysis conditions in the production and chemical composition of the bio-oils from fast pyrolysis of sewage sludge. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 110, 353-362.	2.6	107
10	Synthesis gas production from catalytic gasification of waste biomass using nickel-loaded brown coal char. <i>Fuel</i> , 2013, 103, 135-140.	3.4	99
11	Catalytic reforming of volatiles and nitrogen compounds from sewage sludge pyrolysis to clean hydrogen and synthetic gas over a nickel catalyst. <i>Fuel Processing Technology</i> , 2014, 123, 34-40.	3.7	98
12	Preparation of porous carbons by hydrothermal carbonization and KOH activation of lignite and their performance for electric double layer capacitor. <i>Electrochimica Acta</i> , 2017, 252, 397-407.	2.6	96
13	Layered uniformly delocalized electronic structure of carbon supported Ni catalyst for catalytic reforming of toluene and biomass tar. <i>Energy Conversion and Management</i> , 2019, 183, 182-192.	4.4	96
14	Enhancement of light aromatics from catalytic fast pyrolysis of cellulose over bifunctional hierarchical HZSM-5 modified by hydrogen fluoride and nickel/hydrogen fluoride. <i>Bioresource Technology</i> , 2019, 278, 116-123.	4.8	90
15	Fractionation and identification of organic nitrogen species from bio-oil produced by fast pyrolysis of sewage sludge. <i>Bioresource Technology</i> , 2010, 101, 7648-7652.	4.8	85
16	Preparation and characterization of bio-oils from internally circulating fluidized-bed pyrolyses of municipal, livestock, and wood waste. <i>Bioresource Technology</i> , 2011, 102, 2009-2015.	4.8	85
17	Effect of atmosphere on carbon deposition of Ni/Al ₂ O ₃ and Ni-loaded on lignite char during reforming of toluene as a biomass tar model compound. <i>Fuel</i> , 2018, 217, 515-521.	3.4	80
18	Formation of aromatics and removal of nitrogen in catalytic fast pyrolysis of sewage sludge: A study of sewage sludge and model amino acids. <i>Fuel</i> , 2018, 218, 148-154.	3.4	79

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19	Difference in chemical composition of carbon disulfide-extractable fraction between vitrinite and inertinite from Shenfu-Dongsheng and Pingshuo coals. <i>Fuel</i> , 2008, 87, 565-575.	3.4	77
20	Preparation of porous carbon sphere from waste sugar solution for electric double-layer capacitor. <i>Journal of Power Sources</i> , 2017, 361, 249-258.	4.0	77
21	Organic oxygen transformation during pyrolysis of Baiyinhua lignite. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 117, 106-115.	2.6	76
22	Ruthenium Ion-Catalyzed Oxidation of Shenfu Coal and Its Residues. <i>Energy & Fuels</i> , 2008, 22, 1799-1806.	2.5	74
23	Acid washed lignite char supported bimetallic Ni-Co catalyst for low temperature catalytic reforming of corncob derived volatiles. <i>Energy Conversion and Management</i> , 2019, 196, 1257-1266.	4.4	69
24	Characterizations of the Extracts from Geting Bituminous Coal by Spectrometries. <i>Energy & Fuels</i> , 2013, 27, 3709-3717.	2.5	64
25	Preparation of high-dispersion Ni/C catalyst using modified lignite as carbon precursor for catalytic reforming of biomass volatiles. <i>Fuel</i> , 2017, 202, 345-351.	3.4	63
26	Fast Pyrolysis of Rice Husk in a Fluidized Bed: Effects of the Gas Atmosphere and Catalyst on Bio-oil with a Relatively Low Content of Oxygen. <i>Energy & Fuels</i> , 2011, 25, 4113-4121.	2.5	62
27	The effects of temperature on product yields and composition of bio-oils in hydrolysis of rice husk using nickel-loaded brown coal char catalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , 2012, 94, 238-245.	2.6	62
28	Characterization of a bio-oil from pyrolysis of rice husk by detailed compositional analysis and structural investigation of lignin. <i>Bioresource Technology</i> , 2012, 116, 114-119.	4.8	62
29	Catalytic steam gasification of biomass in fluidized bed at low temperature: Conversion from livestock manure compost to hydrogen-rich syngas. <i>Biomass and Bioenergy</i> , 2010, 34, 1505-1512.	2.9	61
30	Catalytic Reforming of Volatiles from Biomass Pyrolysis for Hydrogen-Rich Gas Production over Limonite Ore. <i>Energy & Fuels</i> , 2017, 31, 4054-4060.	2.5	61
31	Nitrogen migration mechanism and formation of aromatics during catalytic fast pyrolysis of sewage sludge over metal-loaded HZSM-5. <i>Fuel</i> , 2019, 244, 151-158.	3.4	61
32	High-performance electrode material for electric double-layer capacitor based on hydrothermal pre-treatment of lignin by ZnCl ₂ . <i>Applied Surface Science</i> , 2020, 508, 144536.	3.1	60
33	Fundamentals and applications of char in biomass tar reforming. <i>Fuel Processing Technology</i> , 2021, 216, 106782.	3.7	59
34	Preparation of nickel-loaded on lignite char for catalytic gasification of biomass. <i>Fuel Processing Technology</i> , 2015, 136, 17-24.	3.7	58
35	Enhancement of Aromatic Products from Catalytic Fast Pyrolysis of Lignite over Hierarchical HZSM-5 by Piperidine-Assisted Desilication. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1792-1802.	3.2	58
36	Preparation of hierarchical HZSM-5 based sulfated zirconium solid acid catalyst for catalytic upgrading of pyrolysis vapors from lignite pyrolysis. <i>Fuel</i> , 2019, 237, 1079-1085.	3.4	58

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37	Selective cleavage of ether C-O bond in lignin-derived compounds over Ru system under different H-sources. <i>Fuel</i> , 2021, 284, 119027.	3.4	58
38	Bimetallic effects in the catalytic hydrogenolysis of lignin and its model compounds on Nickel-Ruthenium catalysts. <i>Fuel Processing Technology</i> , 2019, 194, 106126.	3.7	57
39	Preparation and characterization of nickel loaded on resin char as tar reforming catalyst for biomass gasification. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 127, 82-90.	2.6	56
40	Increasing light aromatic products during upgrading of lignite pyrolysis vapor over Co-modified HZSM-5. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 130, 190-197.	2.6	56
41	Nitrogen Evolution during Fast Pyrolysis of Sewage Sludge under Inert and Reductive Atmospheres. <i>Energy & Fuels</i> , 2017, 31, 7191-7196.	2.5	54
42	Mechanism of Ni-catalyzed selective C O cleavage of lignin model compound benzyl phenyl ether under mild conditions. <i>Journal of the Energy Institute</i> , 2019, 92, 74-81.	2.7	51
43	Highly active and stable HF acid modified HZSM-5 supported Ni catalysts for steam reforming of toluene and biomass pyrolysis tar. <i>Energy Conversion and Management</i> , 2020, 212, 112799.	4.4	50
44	Low-temperature catalytic gasification of sewage sludge-derived volatiles to produce clean H ₂ -rich syngas over a nickel loaded on lignite char. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 9193-9199.	3.8	49
45	Influence of manure types and pyrolysis conditions on the oxidation behavior of manure char. <i>Bioresource Technology</i> , 2009, 100, 4278-4283.	4.8	48
46	KOH activation of a HyperCoal to develop activated carbons for electric double-layer capacitors. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 105, 116-121.	2.6	48
47	Recent advances in pyrolysis of cellulose to value-added chemicals. <i>Fuel Processing Technology</i> , 2022, 229, 107175.	3.7	47
48	Sulfation-acidified HZSM-5 catalyst for in-situ catalytic conversion of lignite pyrolysis volatiles to light aromatics. <i>Fuel</i> , 2019, 255, 115784.	3.4	46
49	Catalytic conversion of lignite pyrolysis volatiles to light aromatics over ZSM-5: SiO ₂ /Al ₂ O ₃ ratio effects and mechanism insights. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 139, 22-30.	2.6	46
50	Biomass-derived three-dimensional hierarchical porous carbon network for symmetric supercapacitors with ultra-high energy density in ionic liquid electrolyte. <i>Electrochimica Acta</i> , 2021, 371, 137825.	2.6	44
51	Isolation and Identification of Fatty Acid Amides from Shengli Coal. <i>Energy & Fuels</i> , 2008, 22, 2419-2421.	2.5	43
52	Study on pine sawdust pyrolysis behavior by fast pyrolysis under inert and reductive atmospheres. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 125, 279-288.	2.6	43
53	Three-Dimensional Hierarchical Porous Carbon with High Oxygen Content Derived from Organic Waste Liquid with Superior Electric Double Layer Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4037-4046.	3.2	42
54	Recent progress and perspectives of catalyst design and downstream integration in biomass tar reforming. <i>Chemical Engineering Journal</i> , 2022, 429, 132316.	6.6	42

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55	Photocatalytic depolymerization of rice husk over TiO ₂ with H ₂ O ₂ . <i>Fuel Processing Technology</i> , 2014, 117, 8-16.	3.7	41
56	Hydrodeoxygenation of lignin model compounds to alkanes over Pd@Ni/HZSM-5 catalysts. <i>Journal of the Energy Institute</i> , 2020, 93, 899-910.	2.7	40
57	Extension of catalyst lifetime by doping of Ce in Ni-loaded acid-washed Shengli lignite char for biomass catalytic gasification. <i>Catalysis Science and Technology</i> , 2017, 7, 5741-5749.	2.1	39
58	N/O co-doped interlinked porous carbon nanoflakes derived from soybean stalk for high-performance supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2020, 871, 114288.	1.9	38
59	Synergic effect of methanol and water on pine liquefaction. <i>Bioresource Technology</i> , 2013, 142, 504-509.	4.8	37
60	Effect of zeolite structure on light aromatics formation during upgrading of cellulose fast pyrolysis vapor. <i>Journal of the Energy Institute</i> , 2019, 92, 1567-1576.	2.7	37
61	N/O co-doped porous interconnected carbon nanosheets from the co-hydrothermal treatment of soybean stalk and nickel nitrate for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2020, 558, 211-219.	5.0	37
62	Comparative evaluation of tar steam reforming over graphitic carbon supported Ni and Co catalysts at low temperature. <i>Energy Conversion and Management</i> , 2021, 244, 114454.	4.4	37
63	Catalytic hydrogenation of aromatic ring over ruthenium nanoparticles supported on γ -Al ₂ O ₃ at room temperature. <i>Applied Catalysis B: Environmental</i> , 2022, 307, 121137.	10.8	37
64	In Situ Upgrading of Cellulose Pyrolysis Volatiles Using Hydrofluorinated and Platinum-Loaded HZSM-5 for High Selectivity Production of Light Aromatics. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 22193-22201.	1.8	36
65	Nitrogen transformation during gasification of livestock compost over transition metal and Ca-based catalysts. <i>Fuel</i> , 2015, 140, 477-483.	3.4	35
66	Characterization of the oxidation products of Shengli lignite using mass spectrometers with O_2 and ambient ion sources. <i>Fuel</i> , 2016, 183, 115-122.	3.4	35
67	Heteroatom nitrogen and oxygen co-doped three-dimensional honeycomb porous carbons for methylene blue efficient removal. <i>Applied Surface Science</i> , 2021, 546, 149139.	3.1	35
68	Preparation of layered-porous carbon from coal tar pitch narrow fractions by single-solvent extraction for superior cycling stability electric double layer capacitor application. <i>Journal of Colloid and Interface Science</i> , 2020, 567, 347-356.	5.0	34
69	Theoretical insight into the hydrogenolysis mechanism of lignin dimer compounds based on experiments. <i>Renewable Energy</i> , 2021, 163, 1831-1837.	4.3	33
70	Triacetoneamine formation in a bio-oil from fast pyrolysis of sewage sludge using acetone as the absorption solvent. <i>Bioresource Technology</i> , 2010, 101, 4242-4245.	4.8	32
71	Sequential extraction and thermal dissolution of Shengli lignite. <i>Fuel Processing Technology</i> , 2015, 135, 20-24.	3.7	31
72	Insight into the structural features of low-rank coals using comprehensive two dimensional gas chromatography/time-of-flight mass spectrometry. <i>Fuel</i> , 2018, 212, 293-301.	3.4	31

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73	Synthesis of ZSM-5 using different silicon and aluminum sources nature for catalytic conversion of lignite pyrolysis volatiles to light aromatics. <i>Fuel</i> , 2020, 268, 117286.	3.4	31
74	Multifunctional and highly active Ni/microfiber attapulgite for catalytic hydroconversion of model compounds and coal tars. <i>Fuel Processing Technology</i> , 2015, 134, 39-45.	3.7	30
75	Selective cleavage of C O bond in benzyl phenyl ether over Pd/AC at room temperature. <i>Fuel Processing Technology</i> , 2019, 188, 190-196.	3.7	30
76	Influence of Hollow ZSM-5 Zeolites Prepared by Treatment with Different Alkalis on the Catalytic Conversion of Methanol to Aromatics. <i>Energy & Fuels</i> , 2020, 34, 14633-14646.	2.5	30
77	Selective cleavage of lignin-derived diphenyl ether C-O bond over weakly acidic Ni/Nb ₂ O ₅ catalyst. <i>Fuel</i> , 2021, 295, 120635.	3.4	29
78	Identification of Organic Chlorines and Iodines in the Extracts from Hydrotreated Argonne Premium Coal Residues. <i>Energy & Fuels</i> , 2007, 21, 2238-2239.	2.5	28
79	Rapid characterization of heteroatomic molecules in a bio-oil from pyrolysis of rice husk using atmospheric solids analysis probe mass spectrometry. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 115, 16-23.	2.6	28
80	One-step Preparation of Alkaline Lignin-based Activated Carbons with Different Activating Agents for Electric Double Layer Capacitor. <i>International Journal of Electrochemical Science</i> , 2017, 12, 7227-7239.	0.5	28
81	Hydrogenolysis of lignin-derived aryl ethers to monomers over a MOF-derived Ni/Ni@C catalyst. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 886-895.	1.9	28
82	Catalytic reforming of lignite pyrolysis volatiles over sulfated HZSM-5: Significance of the introduced extra-framework Al species. <i>Fuel</i> , 2020, 273, 117789.	3.4	28
83	Electric Double-Layer Capacitors from Activated Carbon Derived from Black Liquor. <i>Energy & Fuels</i> , 2010, 24, 1889-1893.	2.5	27
84	HyperCoal-derived porous carbons with alkaline hydroxides and carbonate activation for electric double-layer capacitors. <i>Fuel Processing Technology</i> , 2014, 125, 251-257.	3.7	27
85	Highly selective aromatic ring hydrogenation of lignin-derived compounds over macroporous Ru/Nb ₂ O ₅ with the lost acidity at room temperature. <i>Fuel</i> , 2020, 282, 118869.	3.4	27
86	Insights into coke location of catalyst deactivation during in-situ catalytic reforming of lignite pyrolysis volatiles over cobalt-modified zeolites. <i>Applied Catalysis A: General</i> , 2021, 613, 118018.	2.2	27
87	Preparation of porous carbons from waste sugar residue for high performance electric double-layer capacitor. <i>Fuel Processing Technology</i> , 2017, 162, 45-54.	3.7	26
88	Understandings of Catalyst Deactivation and Regeneration during Biomass Tar Reforming: A Crucial Review. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 17186-17206.	3.2	26
89	Study of Catalytic Hydroxylation of Rice Husk under Nickel-Loaded Brown Coal Char. <i>Energy & Fuels</i> , 2011, 25, 5438-5443.	2.5	25
90	A highly active Ni/mesoporous attapulgite for hydrocracking CO bonds in rice straw. <i>Fuel Processing Technology</i> , 2015, 131, 376-381.	3.7	25

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91	Electrochemical and direct C-H methylthiolation of electron-rich aromatics. <i>Green Chemistry</i> , 2020, 22, 4906-4911.	4.6	25
92	Hydrogen bonding interactions between the organic oxygen/nitrogen monomers of lignite and water molecules: A DFT and AIM study. <i>Fuel Processing Technology</i> , 2017, 168, 58-64.	3.7	24
93	Preparation of porous carbon spheres from 2-keto-l-gulonic acid mother liquor by oxidation and activation for electric double-layer capacitor application. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 20-27.	5.0	24
94	Facial fabrication of yolk-shell Pd-Ni-P alloy with mesoporous structure as an advanced catalyst for methanol electro-oxidation. <i>Applied Surface Science</i> , 2019, 484, 441-445.	3.1	24
95	Green and facile synthesis of porous carbon spheres from waste solution for high performance all-solid-state symmetric supercapacitors. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 32373-32384.	3.8	24
96	Dewaxing from Stalks with Petroleum Ether by Different Methods. <i>Energy & Fuels</i> , 2007, 21, 1165-1168.	2.5	23
97	Decomposition of NO _x Precursors during Gasification of Wet and Dried Pig Manures and Their Composts over Ni-based Catalysts. <i>Energy & Fuels</i> , 2014, 28, 2041-2046.	2.5	23
98	Carbon-Based Material-Supported Palladium Nanocatalysts in Coupling Reactions: Discussion on their Stability and Heterogeneity. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5539.	1.7	23
99	Selective Cleavage of the Diphenyl Ether C-O Bond over a Ni Catalyst Supported on AC with Different Pore Structures and Hydrophilicities. <i>Energy & Fuels</i> , 2021, 35, 9599-9608.	2.5	23
100	Low temperature catalytic gasification of pig compost to produce H ₂ rich gas. <i>Bioresource Technology</i> , 2011, 102, 2033-2039.	4.8	22
101	Mechanism for catalytic hydrodenitrogenation of isoquinoline. <i>Fuel Processing Technology</i> , 2013, 106, 661-665.	3.7	21
102	Molecular characteristics of a Chinese coal analyzed using mass spectrometry with various ionization modes. <i>Fuel</i> , 2015, 155, 122-127.	3.4	21
103	Encapsulation Ni in HZSM-5 for catalytic hydrolysis of biomass to light aromatics. <i>Fuel Processing Technology</i> , 2021, 218, 106854.	3.7	21
104	Selective hydrogenolysis of C-O bonds in lignin and its model compounds over a high-performance Ru/AC catalyst under mild conditions. <i>Chemical Engineering Science</i> , 2022, 253, 117554.	1.9	21
105	Comprehensive research of in situ upgrading of sawdust fast pyrolysis vapors over HZSM-5 catalyst for producing renewable light aromatics. <i>Journal of the Energy Institute</i> , 2020, 93, 15-24.	2.7	20
106	Sequential ultrasonic extraction of a Chinese coal and characterization of nitrogen-containing compounds in the extracts using high-performance liquid chromatography with mass spectrometry. <i>Journal of Separation Science</i> , 2016, 39, 2491-2498.	1.3	18
107	Boosting hydrogen evolution activity and durability of Pd-Ni-P nanocatalyst via crystalline degree and surface chemical state modulations. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 31053-31061.	3.8	18
108	Study on hydrodeoxygenation mechanism of anisole over Ni (111) by first-principles calculation. <i>Molecular Catalysis</i> , 2022, 523, 111402.	1.0	18

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109	Formation of Light Aromatics and Coke during Catalytic Reforming of Biopolymer-Derived Volatiles over HZSM-5. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 12521-12533.	1.8	18
110	Direct synthesis of oxygen-enriched 3D porous carbons via NaCl template derived from oxidized coal tar pitch for excellent cycling stability electric double layer capacitor. <i>Journal of Power Sources</i> , 2021, 508, 230330.	4.0	18
111	Effect of coal ranks on light aromatics production during reforming of pyrolysis volatiles over HZSM-5 under Ar and H ₂ -assisted atmospheres. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020, 152, 104958.	2.6	17
112	Transforming waste sugar solution into N-doped hierarchical porous carbon for high performance supercapacitors in aqueous electrolytes and ionic liquid. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 31367-31379.	3.8	17
113	Controllable hollow HZSM-5 for high shape-selectivity to light aromatics from catalytic reforming of lignite pyrolysis volatiles. <i>Fuel</i> , 2021, 294, 120427.	3.4	17
114	High Surface Area Activated Carbon Prepared from Black Liquor in the Presence of High Alkali Metal Content. <i>Journal of Chemical Engineering of Japan</i> , 2010, 43, 1029-1034.	0.3	16
115	Catalytic upgrading of coal tar coupling with methanol using model compound over hierarchical ZSM-5 for increasing light aromatic production under atmosphere pressure. <i>Fuel Processing Technology</i> , 2021, 211, 106600.	3.7	16
116	In situ one-pot synthesis of Sn/lignite-based porous carbon composite for enhanced lithium storage. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 367-375.	5.0	16
117	Catalytic Upgrading of Cellulose Pyrolysis Volatiles over Ce Modified Hierarchical ZSM-5 Zeolite: Insight into the Effect of Acid Properties on Light Aromatics and Catalyst Stability. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 287-298.	1.8	16
118	Waste sugar solution polymer-derived N-doped carbon spheres with an ultrahigh specific surface area for superior performance supercapacitors. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 22735-22746.	3.8	15
119	Catalytic reforming of nitrogen-containing volatiles evolved through pyrolysis of composted pig manure. <i>Bioresource Technology</i> , 2013, 150, 181-186.	4.8	14
120	Catalytic Fast Pyrolysis of Sewage Sludge over HZSM-5: A Study of Light Aromatics, Coke, and Nitrogen Migration under Different Atmospheres. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 17537-17545.	1.8	14
121	Mechanism for catalytic cracking of coal tar over fresh and reduced LaNi _{1-x} Fe _x O ₃ perovskite. <i>Fuel</i> , 2021, 288, 119683.	3.4	14
122	Rapid synthesis of Cu ₂ O hollow spheres at low temperature and their catalytic performance for the decomposition of ammonium perchlorate. <i>CrystEngComm</i> , 2021, 23, 7985-7993.	1.3	14
123	Catalytic Hydrodeoxygenation of Lignin and Its Model Compounds to Hydrocarbon Fuels over a Metal/Acid Ru/HZSM-5 Catalyst. <i>Energy & Fuels</i> , 2021, 35, 19543-19552.	2.5	14
124	Nickel loaded on biochar prepared from different carbon sources for selective hydrogenolysis of diphenyl ether. <i>Fuel Processing Technology</i> , 2022, 231, 107219.	3.7	14
125	Identification of Sulfur- and Nitrogen-containing Organic Species in the Extracts from Pocahontas No. 3 Coal. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2010, 32, 1086-1099.	1.2	13
126	H ₂ production from fowl manure by low temperature catalytic gasification. <i>Bioresource Technology</i> , 2011, 102, 7561-7566.	4.8	13

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127	Analysis of soluble components in coals and interpretations for the complex mass spectra. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 503-508.	0.7	13
128	Nano WO ₃ -Catalyzed One-Pot Process for Mild Oxidative Depolymerization of Lignin and its Model Compounds. <i>ChemCatChem</i> , 2021, 13, 3836-3845.	1.8	13
129	Hydrodeoxygenation of lignin and its model compounds to hydrocarbon fuels over a bifunctional Ga-doped HZSM-5 supported metal Ru catalyst. <i>Applied Catalysis A: General</i> , 2022, 633, 118516.	2.2	13
130	Characterization of a Chinese lignite and the corresponding derivatives using direct analysis in real time quadrupole time-of-flight mass spectrometry. <i>RSC Advances</i> , 2016, 6, 105780-105785.	1.7	12
131	Effect of A-site disubstituted of lanthanide perovskite on catalytic activity and reaction kinetics analysis of coal combustion. <i>Fuel</i> , 2020, 260, 116380.	3.4	12
132	Sustainable Porous Carbon with High Specific Surface Area from Soybean Shell via Hydrothermal Carbonization with H ₃ PO ₄ for Electric Double-Layer Capacitor Applications. <i>Energy Technology</i> , 2020, 8, 1901103.	1.8	12
133	In situ reforming of lignite pyrolysis volatiles for enriching light aromatics over Ga substituted HZSM-5. <i>Chemical Engineering Science</i> , 2022, 248, 117235.	1.9	12
134	Identification of Octathiocane, Organonitrogens, and Organosulfurs in Tongchuan Shale. <i>Energy & Fuels</i> , 2007, 21, 1193-1194.	2.5	11
135	Effect of pretreatment with different washing methods on the reactivity of manure char. <i>Bioresource Technology</i> , 2010, 101, 6130-6135.	4.8	11
136	Nitrogen Conversion of Pig Compost during Pyrolysis. <i>Journal of Chemical Engineering of Japan</i> , 2013, 46, 556-561.	0.3	11
137	Synthesis of NiO/Activated Carbon Composites and Their Application as Electrode Materials for Capacitors. <i>International Journal of Electrochemical Science</i> , 2017, , 2704-2718.	0.5	11
138	MOF-derived Ru@ZIF-8 catalyst with the extremely low metal Ru loading for selective hydrogenolysis of C=O bonds in lignin model compounds under mild conditions. <i>Catalysis Science and Technology</i> , 2022, 12, 488-496.	2.1	11
139	Water-involved tandem conversion of aryl ethers to alcohols over metal phosphide catalyst. <i>Chemical Engineering Journal</i> , 2022, 435, 134911.	6.6	11
140	Mechanism Study on Nitrogen Migration and Catalytic Denitrification during the Pyrolysis of Lysine and Tryptophan. <i>Energy & Fuels</i> , 2022, 36, 502-513.	2.5	11
141	Molecular composition of soluble organic species in Baiyinhua lignite and their evolution profiles during pyrolysis. <i>Fuel</i> , 2017, 205, 192-197.	3.4	10
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