Xian-Yong Wei

List of Publications by Year
in descending order

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274 papers	7,407 citations	53660 45 h-index	88477 70 g-index

274 all docs	274 docs citations	274 times ranked	4145 citing authors

#	Article	IF	Citations
1	Recent advances in syngas production from biomass catalytic gasification: A critical review on reactors, catalysts, catalytic mechanisms and mathematical models. Renewable and Sustainable Energy Reviews, 2019, 116, 109426.	8.2	248
2	Nitrogen transformations during fast pyrolysis of sewage sludge. Fuel, 2013, 104, 1-6.	3.4	217
3	Structural Characterization of Lignin and Its Degradation Products with Spectroscopic Methods. Journal of Spectroscopy, 2017, 2017, 1-15.	0.6	201
4	Insight into the structural features of Zhaotong lignite using multiple techniques. Fuel, 2015, 153, 176-182.	3.4	188
5	Pyrolysis kinetics of soybean straw using thermogravimetric analysis. Fuel, 2016, 169, 93-98.	3.4	173
6	Sequential Thermal Dissolution of Huolinguole Lignite in Methanol and Ethanol. Energy & Fuels, 2011, 25, 2741-2745.	2.5	155
7	In situ upgrading of Shengli lignite pyrolysis vapors over metal-loaded HZSM-5 catalyst. Fuel Processing Technology, 2017, 160, 19-26.	3.7	155
8	Catalytic upgrading of pyrolysis vapors from lignite over mono/bimetal-loaded mesoporous HZSM-5. Fuel, 2018, 218, 33-40.	3.4	149
9	Separation and structural characterization of the value-added chemicals from mild degradation of lignites: A review. Applied Energy, 2016, 170, 415-436.	5.1	129
10	Investigation on structural features of Shengli lignite through oxidation under mild conditions. Fuel, 2013, 109, 316-324.	3.4	106
11	Preparation of porous carbons by hydrothermal carbonization and KOH activation of lignite and their performance for electric double layer capacitor. Electrochimica Acta, 2017, 252, 397-407.	2.6	96
12	Enhancement of light aromatics from catalytic fast pyrolysis of cellulose over bifunctional hierarchical HZSM-5 modified by hydrogen fluoride and nickel/hydrogen fluoride. Bioresource Technology, 2019, 278, 116-123.	4.8	90
13	Application of supported metallic catalysts in catalytic hydrogenation of arenes. RSC Advances, 2013, 3, 14219.	1.7	85
14	Advances in Lignite Extraction and Conversion under Mild Conditions. Energy & Fuels, 2015, 29, 6869-6886.	2.5	83
15	Extraction of Organonitrogen Compounds from Five Chinese Coals with Methanol[#]. Energy & Fuels, 2009, 23, 4848-4851.	2.5	81
16	Formation of aromatics and removal of nitrogen in catalytic fast pyrolysis of sewage sludge: A study of sewage sludge and model amino acids. Fuel, 2018, 218, 148-154.	3.4	79
17	Difference in chemical composition of supercritical methanolysis products between two lignites. Applied Energy, 2011, 88, 4570-4576.	5.1	78
18	Preparation of porous carbon sphere from waste sugar solution for electric double-layer capacitor. Journal of Power Sources, 2017, 361, 249-258.	4.0	77

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19	Organic oxygen transformation during pyrolysis of Baiyinhua lignite. Journal of Analytical and Applied Pyrolysis, 2016, 117, 106-115.	2.6	76
20	Identification of organochlorines and organobromines in coals. Fuel, 2004, 83, 2435-2438.	3.4	75
21	Ruthenium Ion-Catalyzed Oxidation of Shenfu Coal and Its Residues. Energy & Fuels, 2008, 22, 1799-1806.	2.5	74
22	Application of gas chromatography/mass spectrometry in studies on separation and identification of organic species in coals. Fuel, 2013, 109, 28-32.	3.4	74
23	Characterization of Oxygen-Containing Species in Methanolysis Products of the Extraction Residue from Xianfeng Lignite with Negative-Ion Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. Energy & Fuels, 2014, 28, 5596-5605.	2.5	69
24	Solvent-controlled selective hydrodeoxygenation of bio-derived guaiacol to arenes or phenols over a biochar supported Co-doped MoO2 catalyst. Fuel Processing Technology, 2018, 179, 114-123.	3.7	67
25	Characterizations of the Extracts from Geting Bituminous Coal by Spectrometries. Energy & Fuels, 2013, 27, 3709-3717.	2.5	64
26	Characterization of humic acids extracted from a lignite and interpretation for the mass spectra. RSC Advances, 2017, 7, 20677-20684.	1.7	61
27	Catalytic Reforming of Volatiles from Biomass Pyrolysis for Hydrogen-Rich Gas Production over Limonite Ore. Energy & Fuels, 2017, 31, 4054-4060.	2.5	61
28	Nitrogen migration mechanism and formation of aromatics during catalytic fast pyrolysis of sewage sludge over metal-loaded HZSM-5. Fuel, 2019, 244, 151-158.	3.4	61
29	High-performance electrode material for electric double-layer capacitor based on hydrothermal pre-treatment of lignin by ZnCl2. Applied Surface Science, 2020, 508, 144536.	3.1	60
30	Hollow zeolite structures formed by crystallization in crosslinked polyacrylamide hydrogels. Journal of Materials Chemistry, 2008, 18, 3337.	6.7	59
31	Enhancement of Aromatic Products from Catalytic Fast Pyrolysis of Lignite over Hierarchical HZSM-5 by Piperidine-Assisted Desilication. ACS Sustainable Chemistry and Engineering, 2018, 6, 1792-1802.	3.2	58
32	Preparation of hierarchical HZSM-5 based sulfated zirconium solid acid catalyst for catalytic upgrading of pyrolysis vapors from lignite pyrolysis. Fuel, 2019, 237, 1079-1085.	3.4	58
33	Molecular characterization of heteroatomic compounds in a high-temperature coal tar using three mass spectrometers. Fuel Processing Technology, 2015, 138, 65-73.	3.7	57
34	Hierarchical porous carbon derived from coal and biomass for high performance supercapacitors. Fuel, 2022, 311, 122552.	3.4	57
35	Insight into the structural features of macromolecular aromatic species in Huolinguole lignite through ruthenium ion-catalyzed oxidation. Fuel, 2014, 128, 231-239.	3.4	56
36	Increasing light aromatic products during upgrading of lignite pyrolysis vapor over Co-modified HZSM-5. Journal of Analytical and Applied Pyrolysis, 2018, 130, 190-197.	2.6	56

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37	Advances in the study of hydrogen transfer to model compounds for coal liquefaction. Fuel Processing Technology, 2000, 62, 103-107.	3.7	55
38	Nitrogen Evolution during Fast Pyrolysis of Sewage Sludge under Inert and Reductive Atmospheres. Energy & Fuels, 2017, 31, 7191-7196.	2.5	54
39	Structural Characterization of Typical Organic Species in Jincheng No. 15 Anthracite. Energy & Fuels, 2015, 29, 595-601.	2.5	53
40	Characterization of acidic species in ethanol-soluble portion from Zhaotong lignite ethanolysis by negative-ion electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. Fuel Processing Technology, 2014, 128, 297-302.	3.7	50
41	Structural evaluation of Xiaolongtan lignite by direct characterization and pyrolytic analysis. Fuel Processing Technology, 2016, 144, 248-254.	3.7	50
42	Ameliorative effect of Trametes orientalis polysaccharide against immunosuppression and oxidative stress in cyclophosphamide-treated mice. International Journal of Biological Macromolecules, 2017, 95, 1216-1222.	3.6	50
43	Characterization of organonitrogen species in Xianfeng lignite by sequential extraction and ruthenium ion-catalyzed oxidation. Fuel Processing Technology, 2014, 126, 199-206.	3.7	49
44	Reaction of Di(1-naphthyl)methane over Metals and Metalâ^'Sulfur Systems. Energy & Fuels, 2003, 17, 652-657.	2.5	48
45	Value-added utilization of high-temperature coal tar: A review. Fuel, 2021, 292, 119954.	3.4	48
46	Sulfation-acidified HZSM-5 catalyst for in-situ catalytic conversion of lignite pyrolysis volatiles to light aromatics. Fuel, 2019, 255, 115784.	3.4	46
47	Catalytic conversion of lignite pyrolysis volatiles to light aromatics over ZSM-5: SiO2/Al2O3 ratio effects and mechanism insights. Journal of Analytical and Applied Pyrolysis, 2019, 139, 22-30.	2.6	46
48	A Highly Active Ni/ZSMâ€5 Catalyst for Complete Hydrogenation of Polymethylbenzenes. ChemCatChem, 2013, 5, 3543-3547.	1.8	45
49	Structural Features of Extraction Residues from Supercritical Methanolysis of Two Chinese Lignites. Energy & Fuels, 2013, 27, 4632-4638.	2.5	45
50	Deep hydrogenation of coal tar over a Ni/ZSM-5 catalyst. RSC Advances, 2014, 4, 17105.	1.7	45
51	Identification of basic nitrogen compounds in ethanol-soluble portion from Zhaotong lignite ethanolysis by positive-ion electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. Fuel, 2015, 141, 268-274.	3.4	43
52	Study on pine sawdust pyrolysis behavior by fast pyrolysis under inert and reductive atmospheres. Journal of Analytical and Applied Pyrolysis, 2017, 125, 279-288.	2.6	43
53	Temperature-controlled hydrogenation of anthracene over nickel nanoparticles supported on attapulgite powder. Fuel, 2018, 223, 222-229.	3.4	42
54	Three-Dimensional Hierarchical Porous Carbon with High Oxygen Content Derived from Organic Waste Liquid with Superior Electric Double Layer Performance. ACS Sustainable Chemistry and Engineering, 2019, 7, 4037-4046.	3.2	42

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55	Effects of iron catalyst precursors, sulfur, hydrogen pressure and solvent type on the hydrocracking of di(1-naphthyl)methane. Fuel, 1993, 72, 1547-1552.	3.4	40
56	Investigation on compositional and structural features of Xianfeng lignite through sequential thermal dissolution. Fuel Processing Technology, 2015, 138, 125-132.	3.7	40
57	Tandem mass spectrometric evaluation of core structures of aromatic compounds after catalytic deoxygenation. Fuel Processing Technology, 2018, 176, 119-123.	3.7	40
58	Application of mass spectrometry in the characterization of chemicals in coalâ€derived liquids. Mass Spectrometry Reviews, 2017, 36, 543-579.	2.8	39
59	Extension of catalyst lifetime by doping of Ce in Ni-loaded acid-washed Shengli lignite char for biomass catalytic gasification. Catalysis Science and Technology, 2017, 7, 5741-5749.	2.1	39
60	Functional group characteristics and pyrolysis/combustion performance of fly ashes from Karamay oily sludge based on FT-IR and TG-DTG analyses. Fuel, 2021, 296, 120669.	3.4	38
61	Sequential Extraction and Thermal Dissolution of Baiyinhua Lignite in Isometric CS₂/Acetone and Toluene/Methanol Binary Solvents. Energy & Fuels, 2016, 30, 47-53.	2.5	37
62	Effect of zeolite structure on light aromatics formation during upgrading of cellulose fast pyrolysis vapor. Journal of the Energy Institute, 2019, 92, 1567-1576.	2.7	37
63	Catalyses of Fe and FeS2on the Reaction of Di(1-naphthyl)methane. Chemistry Letters, 1991, 20, 2199-2202.	0.7	36
64	In Situ Upgrading of Cellulose Pyrolysis Volatiles Using Hydrofluorinated and Platinum-Loaded HZSM-5 for High Selectivity Production of Light Aromatics. Industrial & Engineering Chemistry Research, 2019, 58, 22193-22201.	1.8	36
65	A new solid acid for specifically cleaving the CarCalk bond in di(1-naphthyl)methane. Applied Catalysis A: General, 2012, 425-426, 79-84.	2.2	35
66	Analysis of extractable basic nitrogen compounds in Buliangou subbituminous coal by positive-ion ESI FT-ICR MS. Fuel, 2015, 159, 385-391.	3.4	35
67	Deep hydroconversion of ethanol-soluble portion from the ethanolysis of Dahuangshan lignite to clean liquid fuel over a mordenite supported nickel catalyst. Journal of Analytical and Applied Pyrolysis, 2019, 139, 13-21.	2.6	35
68	Interface modification based on MnO2@N-doped activated carbon composites for flexible solid-state asymmetric supercapacitors. Energy, 2022, 249, 123659.	4.5	35
69	Desulfurization of Coal by Pyrolysis and Hydropyrolysis with Addition of KOH/NaOH. Energy & Fuels, 2005, 19, 1673-1678.	2.5	34
70	ReaxFF Reactive Force Field for Molecular Dynamics Simulations of Lignite Depolymerization in Supercritical Methanol with Lignite-Related Model Compounds. Energy & Fuels, 2012, 26, 984-989.	2.5	34
71	Characterization of Zhundong subbituminous coal by time-of-flight mass spectrometry equipped with atmospheric pressure photoionization ion source. Fuel Processing Technology, 2014, 117, 60-65.	3.7	34
72	Extraction and thermal dissolution of Piliqing subbituminous coal. Fuel, 2017, 200, 282-289.	3.4	34

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73	Preparation of layered-porous carbon from coal tar pitch narrow fractions by single-solvent extraction for superior cycling stability electric double layer capacitor application. Journal of Colloid and Interface Science, 2020, 567, 347-356.	5.0	34
74	Sulfur-containing species in the extraction residue from Xianfeng lignite characterized by X-ray photoelectron spectrometry and electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. RSC Advances, 2015, 5, 7125-7130.	1.7	32
75	Catalytic hydroconversion of methanol-soluble portion from Xiaolongtan lignite over difunctional Ni/Z5A. Fuel Processing Technology, 2016, 148, 146-154.	3.7	32
76	Microwave-Assisted Hydrogen Transfer to Anthracene and Phenanthrene over Pd/C. Energy & Fuels, 2009, 23, 638-645.	2.5	31
77	Sequential extraction and thermal dissolution of Shengli lignite. Fuel Processing Technology, 2015, 135, 20-24.	3.7	31
78	Synthesis of ZSM-5 using different silicon and aluminum sources nature for catalytic conversion of lignite pyrolysis volatiles to light aromatics. Fuel, 2020, 268, 117286.	3.4	31
79	Multifunctional and highly active Ni/microfiber attapulgite for catalytic hydroconversion of model compounds and coal tars. Fuel Processing Technology, 2015, 134, 39-45.	3.7	30
80	One Pot Three Component Synthesis of 9-arylpolyhydroacridine Derivatives in an Ionic Liquid Medium. Journal of Chemical Research, 2005, 2005, 600-602.	0.6	29
81	Catalytic hydroconversion of Geting bituminous coal over FeNiâ€“S/Î³-Al2O3. Fuel Processing Technology, 2015, 133, 195-201.	3.7	29
82	Fabrication of N/O self-doped hierarchical porous carbons derived from modified coal tar pitch for high-performance supercapacitors. Fuel, 2022, 310, 122418.	3.4	29
83	Identification of Organic Chlorines and Iodines in the Extracts from Hydrotreated Argonne Premium Coal Residues. Energy & Fuels, 2007, 21, 2238-2239.	2.5	28
84	Highly selective catalytic hydroconversion of benzyloxybenzene to bicyclic cyclanes over bifunctional nickel catalysts. Catalysis Communications, 2017, 98, 38-42.	1.6	28
85	Hydrogenolysis of lignin-derived aryl ethers to monomers over a MOF-derived Ni/Nâ€“C catalyst. Reaction Chemistry and Engineering, 2020, 5, 886-895.	1.9	28
86	Catalytic reforming of lignite pyrolysis volatiles over sulfated HZSM-5: Significance of the introduced extra-framework Al species. Fuel, 2020, 273, 117789.	3.4	28
87	Isolation and Identification of Two Bis(2-ethylheptyl) Benzenedicarboxylates from Lingwu Coal. Energy & Fuels, 2009, 23, 588-590.	2.5	27
88	Identification of organonitrogen and organooxygen compounds in the extraction residue from Buliangou subbituminous coal by FTICRMS. Fuel, 2016, 171, 151-158.	3.4	27
89	Difunctional nickel/microfiber attapulgite modified with an acidic ionic liquid for catalytic hydroconversion of lignite-related model compounds. Fuel, 2017, 204, 236-242.	3.4	27
90	Insights into coke location of catalyst deactivation during in-situ catalytic reforming of lignite pyrolysis volatiles over cobalt-modified zeolites. Applied Catalysis A: General, 2021, 613, 118018.	2.2	27

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91	Enrichment and Identification of Arylhopanes from Shengli Lignite. Energy & Fuels, 2014, 28, 6745-6748.	2.5	26
92	Preparation of porous carbons from waste sugar residue for high performance electric double-layer capacitor. Fuel Processing Technology, 2017, 162, 45-54.	3.7	26
93	Characterization of nitrogen and sulfur-containing species in Zhaotong lignite and its extracts from ultrasonic extraction. Fuel, 2018, 219, 417-425.	3.4	26
94	Catalytic hydroconversion of extraction residue from Shengli lignite over Feâ€“S/ZSM-5. Fuel Processing Technology, 2014, 126, 131-137.	3.7	25
95	A highly active Ni/mesoporous attapulgite for hydrocracking CO bonds in rice straw. Fuel Processing Technology, 2015, 131, 376-381.	3.7	25
96	Characterization of nitrogen- and oxygen-containing species in methanol-extractable portion from Xinghe lignite. Fuel Processing Technology, 2016, 142, 167-173.	3.7	25
97	Selective Hydrogen Transfer to Anthracene and Its Derivatives over an Activated Carbon. Energy & Fuels, 2009, 23, 4877-4882.	2.5	24
98	Isolation and Identification of Methyl Alkanoates from Lingwu Coal. Energy & Fuels, 2010, 24, 2784-2786.	2.5	24
99	Preparation of porous carbon spheres from 2-keto-l-gulonic acid mother liquor by oxidation and activation for electric double-layer capacitor application. Journal of Colloid and Interface Science, 2018, 513, 20-27.	5.0	24
100	Decomposition of NO_x Precursors during Gasification of Wet and Dried Pig Manures and Their Composts over Ni-based Catalysts. Energy & Fuels, 2014, 28, 2041-2046.	2.5	23
101	Nitrogen-doped porous carbon foams prepared from mesophase pitch through graphitic carbon nitride nanosheet templates. RSC Advances, 2015, 5, 45718-45724.	1.7	23
102	Analysis of Geting Bituminous Coal by Electrospray Ionization and Direct Analysis in Real Time Mass Spectrometry. Analytical Letters, 2014, 47, 2012-2022.	1.0	22
103	Two-step depolymerization of Zhaotong lignite in ethanol. Fuel, 2017, 196, 391-397.	3.4	22
104	Optimization of Ultrasonic-Microwave Assisted Extraction and Hepatoprotective Activities of Polysaccharides from Trametes orientalis. Molecules, 2019, 24, 147.	1.7	22
105	An Effective Approach for Separating Carbazole and Its Derivates from Coal-Tar-Derived Anthracene Oil Using Ionic Liquids. Energy & Fuels, 2019, 33, 513-522.	2.5	22
106	Catalytic Hydroconversion of Ethanol-Soluble Portion from the Ethanolysis of Hecaogou Subbituminous Coal Extraction Residue to Clean Liquid Fuel over a Zeolite Y/ZSM-5 Composite Zeolite-Supported Nickel Catalyst. Energy & Fuels, 2020, 34, 4799-4807.	2.5	22
107	Alkanolysis simulation of lignite-related model compounds using density functional theory. Fuel, 2014, 120, 158-162.	3.4	21
108	Molecular characteristics of a Chinese coal analyzed using mass spectrometry with various ionization modes. Fuel, 2015, 155, 122-127.	3.4	21

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109	Complete hydrocracking of dibenzyl ether over a solid acid under mild conditions. Fuel, 2016, 183, 531-536.	3.4	21
110	Preparation of nanocellulose and lignin-carbohydrate complex composite biological carriers and culture of heart coronary artery endothelial cells. International Journal of Biological Macromolecules, 2019, 137, 1161-1168.	3.6	21
111	Mass spectrometric evaluation of the soluble species of Shengli lignite using cluster analysis methods. Fuel, 2019, 236, 1037-1042.	3.4	21
112	Effective Separation and Purification of Nitrogen-Containing Aromatics from the Light Portion of a High-Temperature Coal Tar Using Choline Chloride and Malonic Acid: Experimental and Molecular Dynamics Simulation. ACS Sustainable Chemistry and Engineering, 2020, 8, 9464-9471.	3.2	21
113	Deep catalytic hydroconversion of straw-derived bio-oil to alkanes over mesoporous zeolite Y supported nickel nanoparticles. Renewable Energy, 2021, 173, 876-885.	4.3	21
114	Facile and scalable synthesis of coal tar-derived, nitrogen and sulfur-codoped carbon nanotubes with superior activity for O₂ reduction by employing an evocating agent. Journal of Materials Chemistry A, 2015, 3, 22723-22729.	5.2	20
115	Catalytic hydroconversion of lignite-related model compounds over difunctional Ni-Mg2Si/Î³-Al2O3. Fuel, 2017, 200, 208-217.	3.4	20
116	Comparison of three methods for extracting Liuhuanggou bituminous coal. Fuel, 2017, 210, 290-297.	3.4	20
117	Insight into the Compositions of the Soluble/Insolube Portions from the Acid/Base Extraction of Five Fractions Distilled from a High Temperature Coal Tar. Energy & Fuels, 2019, 33, 10099-10107.	2.5	20
118	Comprehensive research of in situ upgrading of sawdust fast pyrolysis vapors over HZSM-5 catalyst for producing renewable light aromatics. Journal of the Energy Institute, 2020, 93, 15-24.	2.7	20
119	An evidence for the strong association of N-methyl-2-pyrrolidinone with some organic species in three Chinese bituminous coals. Science Bulletin, 2008, 53, 1157-1164.	4.3	19
120	A highly active solid acid for specifically catalyzing di(1-naphthyl)methane hydrocracking in cyclohexane. Fuel Processing Technology, 2016, 142, 258-263.	3.7	19
121	Hydrocracking of benzyloxybenzene as a lignite-related model compound over a novel solid acid. Fuel Processing Technology, 2016, 146, 110-115.	3.7	19
122	Selective and effective separation of five condensed arenes from a high-temperature coal tar by extraction combined with high pressure preparative chromatography. Journal of Chromatography A, 2019, 1603, 160-164.	1.8	19
123	Copolymer hydrogel as self-standing electrode for high performance all-hydrogel-state supercapacitor. Journal of Materials Science, 2021, 56, 16028-16043.	1.7	19
124	Building Relationships between Molecular Composition of Carbon Precursor and Capacitance of a Hierarchical Porous Carbon-Based Supercapacitor. ACS Applied Energy Materials, 2021, 4, 985-995.	2.5	19
125	Reaction ofN-Methyl-2-pyrrolidinone with Carbon Disulfide. Energy & Fuels, 2000, 14, 734-735.	2.5	18
126	A clean synthesis of polyhydroacridine and indenoquinoline derivatives catalyzed by triethylbenzylammonium chloride in aqueous media. Journal of Heterocyclic Chemistry, 2006, 43, 989-995.	1.4	18

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127	Sequential ultrasonic extraction of a Chinese coal and characterization of nitrogenâ€containing compounds in the extracts using highâ€performance liquid chromatography with mass spectrometry. Journal of Separation Science, 2016, 39, 2491-2498.	1.3	18
128	Catalytic Hydrogenation of Levulinic Acid into Gamma-Valerolactone Over Ni/HZSM-5 Catalysts. Catalysis Surveys From Asia, 2018, 22, 129-135.	1.0	18
129	Analytical Strategies Involved in the Detailed Componential Characterization of Biooil Produced from Lignocellulosic Biomass. International Journal of Analytical Chemistry, 2017, 2017, 1-19.	0.4	17
130	Catalytic hydroconversion of the extraction residue from Naomaohu lignite over an active and separable magnetic solid superbase. Fuel, 2018, 226, 410-416.	3.4	17
131	Insight into molecular compositions of soluble species from sequential thermal dissolution of Liuhuanggou bituminous coal and its extraction residue. Fuel, 2019, 253, 762-771.	3.4	17
132	Selective hydrogenolysis of C O bonds in benzyloxybenzene and dealkaline lignin to valuable aromatics over Ni/TiN. Fuel Processing Technology, 2020, 209, 106523.	3.7	17
133	Phytic acid-doped poly(aniline-co-pyrrole) copolymers for supercapacitor electrodes applications. Journal of Materials Science: Materials in Electronics, 2020, 31, 6263-6273.	1.1	17
134	Effect of Swelling Treatment by Organic Solvent on the Structure and Pyrolysis Performance of the Direct Coal Liquefaction Residue. Energy & Fuels, 2020, 34, 8685-8696.	2.5	17
135	Advances in mild degradation and directional upgrading of lignites: From feature identification to value-added utilization. Journal of Analytical and Applied Pyrolysis, 2022, 163, 105477.	2.6	17
136	A novel enzymatic biosensor for detection of intracellular hydrogen peroxide based on 1-aminopyrene and reduced graphene oxides. Journal of Chemical Sciences, 2019, 131, 1.	0.7	15
137	Catalytic hydroconversion of Yiwu lignite over solid superacid and solid superbase. Fuel, 2019, 238, 473-482.	3.4	15
138	Insight into the chemical complexity of ethanolysis products from extraction residue of Zhaotong lignite. Fuel, 2016, 174, 287-295.	3.4	14
139	A recyclable and highly active magnetic solid superbase for hydrocracking C O bridged bonds in sawdust. Fuel Processing Technology, 2017, 159, 396-403.	3.7	14
140	Catalytic Fast Pyrolysis of Sewage Sludge over HZSM-5: A Study of Light Aromatics, Coke, and Nitrogen Migration under Different Atmospheres. Industrial & Engineering Chemistry Research, 2020, 59, 17537-17545.	1.8	14
141	Green and effective catalytic hydroconversion of an extractable portion from an oil sludge to clean jet and diesel fuels over a mesoporous Y zeolite-supported nickel catalyst. Fuel, 2021, 287, 119396.	3.4	14
142	A self-healing hydrogel electrolyte towards all-in-one flexible supercapacitors. Journal of Materials Science: Materials in Electronics, 2021, 32, 20445-20460.	1.1	14
143	Deep hydroconversion of ethanol-soluble portion from the ethanolysis of Hecaogou subbituminous coal to ultra-clean liquid fuel over hierarchical porous zeolite Y supported Niâ€“Co nanoparticles. Journal of the Energy Institute, 2021, 99, 88-96.	2.7	14
144	A Convenient and Clean Procedure for the Synthesis of Pyran Derivatives in Aqueous Media Catalysed by Tebac. Journal of Chemical Research, 2006, 2006, 228-230.	0.6	13

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145	An efficient and facile synthesis of novel substituted pyrimidine derivatives: 4-amino-5-carbonitrile-2-nitroaminopyrimidine. Research on Chemical Intermediates, 2012, 38, 2435-2442.	1.3	13
146	Mild oxidation of Jincheng NO. 15 anthracite. Journal of Fuel Chemistry and Technology, 2013, 41, 819-825.	0.9	13
147	Evaluation of the Oxidation of Rice Husks with Sodium Hypochlorite Using Gas Chromatography-Mass Spectrometry and Direct Analysis in Real Time-Mass Spectrometry. Analytical Letters, 2014, 47, 77-90.	1.0	13
148	Analysis of soluble components in coals and interpretations for the complex mass spectra. Rapid Communications in Mass Spectrometry, 2017, 31, 503-508.	0.7	13
149	In-source collision activated dissociation for coal/biomass-based model compounds and structural characterization of a coal extract. Fuel, 2018, 234, 1033-1043.	3.4	13
150	Nano WO₃â€Catalyzed Oneâ€Pot Process for Mild Oxidative Depolymerization of Lignin and its Model Compounds. ChemCatChem, 2021, 13, 3836-3845.	1.8	13
151	Investigation on the structural features of Zhundong subbituminous coal through ruthenium ion-catalyzed oxidation. RSC Advances, 2016, 6, 11952-11958.	1.7	12
152	Characterization of a Chinese lignite and the corresponding derivatives using direct analysis in real time quadrupole time-of-flight mass spectrometry. RSC Advances, 2016, 6, 105780-105785.	1.7	12
153	Application of a Dual-Solvent Method in Separating Paraffin from a Shale Oil: A Combined Experimental and DFT Study. Industrial & Engineering Chemistry Research, 2019, 58, 17507-17513.	1.8	12
154	Study on the oxygen forms in soluble portions from thermal dissolution and alkanolyses of the extraction residue from Baiyinhua lignite. Fuel, 2020, 260, 116301.	3.4	12
155	Sustainable Porous Carbon with High Specific Surface Area from Soybean Shell via Hydrothermal Carbonization with H₃PO₄ for Electric Doubleâ€Layer Capacitor Applications. Energy Technology, 2020, 8, 1901103.	1.8	12
156	Catalytic hydroconversion of derivates from Naomaohu lignite over an active and recyclable bimetallic catalyst. Fuel Processing Technology, 2020, 204, 106388.	3.7	12
157	EFFICIENT AND CONVENIENT SYNTHESIS OF 3,4,5-TRIMETHOXYBENZALDEHYDE FROMp-CRESOL. Synthetic Communications, 2002, 32, 2809-2814.	1.1	11
158	Convenient synthesis ofn-methylpyrrolidine-2-thione and some thioamides. Korean Journal of Chemical Engineering, 2003, 20, 235-238.	1.2	11
159	Identification of Octathiocane, Organonitrogens, and Organosulfurs in Tongchuan Shale. Energy & Fuels, 2007, 21, 1193-1194.	2.5	11
160	Practical Preparation of Trimethoprim: A Classical Antibacterial Agent. Synthetic Communications, 2013, 43, 1517-1522.	1.1	11
161	Changes in oxygen-functional moieties during sequential thermal dissolution and methanolysis of the extraction residue from Zhaotong lignite. Journal of Analytical and Applied Pyrolysis, 2019, 139, 40-47.	2.6	11
162	Observing the structural variation of Dahuangshan lignite and four derived residues by non-destructive techniques and flash pyrolysis. Fuel, 2020, 269, 117335.	3.4	11

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