Dong Li

List of Publications by Year
in descending order

56 papers	840 citations	643344 15 h-index	591227 27 g-index
57 all docs	57 docs citations	57 times ranked	520 citing authors

#	Article	IF	Citations
1	Study on molecular structure and association behaviour of heavy subfractions of vacuum residue by an improved separation method. Canadian Journal of Chemical Engineering, 2023, 101, 1011-1026.	0.9	0
2	Study on the association driving force of low temperature coal tar asphaltenes. Journal of Molecular Structure, 2022, 1254, 132361.	1.8	5
3	Characterization of nitrogen-containing compounds in coal tar and its subfractions by comprehensive two-dimensional GCÂÃ—ÂGC-TOF and ESI FT-ICR mass spectrometry based on new separation method. Fuel Processing Technology, 2022, 227, 107125.	3.7	14
4	Simulation and selection of static mixer, the core equipment of middle-low temperature coal tar pretreatment, based on the computational fluid dynamics. Chemical Engineering and Processing: Process Intensification, 2022, 173, 108816.	1.8	3
5	Analysis of oxygen-containing species in coal tar by comprehensive two-dimensional GCÃ—GC-TOF and ESI FT-ICR mass spectrometry through a new subfraction separation method. Journal of the Energy Institute, 2022, 101, 209-220.	2.7	9
6	Exploration of coal tar asphaltene molecules based on high resolution mass spectrometry and advanced extraction separation method. Fuel Processing Technology, 2022, 233, 107309.	3.7	3
7	Insight into asphaltene transformation during coal tar hydrotreatment by conventional analysis and high-resolution Fourier transform mass spectrometry coupled with collision-induced dissociation technology. Journal of the Energy Institute, 2022, 103, 17-32.	2.7	3
8	Effect of raw material composition on the structure of needle coke. Journal of Fuel Chemistry and Technology, 2021, 49, 546-553.	0.9	11
9	Study on the Pretreatment Process and Removal Rules of Sulfur-Containing Compounds for Medium- and Low-Temperature Coal Tar. ACS Omega, 2021, 6, 12541-12550.	1.6	3
10	Comparison of the composition and structure for coal-derived and petroleum heavy subfraction by an improved separation method. Fuel, 2021, 292, 120362.	3.4	24
11	Coâ€Carbonization of Mediumâ€and Lowâ€Temperature Coal Tar Pitch and Coalâ€Based Hydrogenated Diesel Oil Prepare Mesophase Pitch for Needle Coke Precursor. Advanced Engineering Materials, 2021, 23, 2001523.	1.6	19
12	Effect of adding graphene oxide on the structure and properties of needle coke. Journal of Analytical and Applied Pyrolysis, 2021, 160, 105329.	2.6	4
13	Lumped kinetic simulation of hydrodenitrogenation for fullâ€range middleâ€low temperature coal tar. International Journal of Chemical Kinetics, 2021, 53, 716-730.	1.0	2
14	Molecular representation of coal-derived asphaltene based on high resolution mass spectrometry. Arabian Journal of Chemistry, 2021, 15, 103531.	2.3	6
15	Structure Characterization and Solubility Analysis of the Existent Gum of the Fischerâ€“Tropsch Synthetic Crude. ACS Omega, 2020, 5, 18778-18786.	1.6	3
16	Combined Process of Hydrocracking and Hydrofining of Coal Tar. Energy & Fuels, 2020, 34, 13614-13624.	2.5	9
17	Hydrofining Process of Coal Tar Based on Four Kinds of Catalyst Grading. Energy & Fuels, 2020, 34, 6510-6517.	2.5	10
18	Kinetic Parameter Calculation and Trickle Bed Reactor Simulation Based on Pilot-Scale Hydrodesulfurization Test of High-Temperature Coal Tar. ACS Omega, 2020, 5, 12923-12936.	1.6	5

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19	Characterization of heteroatom class species in asphaltenes from medium/low temperature coal tar. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, , 1-15.	1.2	2
20	Optimization and lumped kinetic model study of coal-based aerospace kerosene hydrogenation process. Reaction Kinetics, Mechanisms and Catalysis, 2020, 130, 753-775.	0.8	1
21	Kinetic parameter estimation and reactor simulation of full-range low temperature coal tar during hydrodeasphaltenization over Niâ€“Mo/Î³-Al2O3. Reaction Kinetics, Mechanisms and Catalysis, 2020, 129, 899-923.	0.8	0
22	Modelling and simulation of industrial trickle bed reactor hydrotreating for whole fraction low-temperature coal tar simultaneous hydrodesulfurisation and hydrodenitrification. Fuel, 2020, 269, 117362.	3.4	8
23	Kinetics study and reactor simulation of full-range low-temperature coal tar during hydrodeoxygenation process. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 2725-2733.	1.2	4
24	Kinetic parameter estimation and simulation of trickle-bed reactor for hydrodenitrogenation of whole-fraction low-temperature coal tar. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 802-810.	1.2	16
25	Experimental optimization and reactor simulation of coal-derived naphtha reforming over Ptâ€“Re/Î³-Al2O3 using design of experiment and response surface methodology. Reaction Kinetics, Mechanisms and Catalysis, 2018, 125, 245-269.	0.8	9
26	Investigation on composition and structure of asphaltenes during low-temperature coal tar hydrotreatment under various reaction pressures. Journal of Analytical and Applied Pyrolysis, 2018, 136, 44-52.	2.6	23
27	Hydroprocessing of low-temperature coal tar to produce jet fuel. RSC Advances, 2018, 8, 23663-23670.	1.7	12
28	Kinetic parameter estimation and simulation of trickle-bed reactor for hydrodesulfurization of whole fraction low-temperature coal tar. Fuel, 2018, 230, 113-125.	3.4	33
29	Combined filtration and electric desalination for coal tar pretreatment. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 854-861.	1.2	2
30	Catalytic hydrogenation of Low temperature coal tar into jet fuel by using two-reactors system. Journal of Analytical and Applied Pyrolysis, 2018, 134, 202-208.	2.6	25
31	Effect of phosphorus modification on the coal tar hydrogenation activity of the Niâ€“Mo/Î³-Al2O3 catalyst. Reaction Kinetics, Mechanisms and Catalysis, 2018, 125, 271-286.	0.8	8
32	Investigation on the structure of low-temperature coal tar asphaltene precipitated with different n-alkane solvents. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 1226-1233.	1.2	7
33	Investigation on Asphaltenes Structures during Low Temperature Coal Tar Hydrotreatment under Various Reaction Temperatures. Energy & Fuels, 2017, 31, 4705-4713.	2.5	26
34	Technical Progress and the Prospect of Lowâ€Rank Coal Pyrolysis in China. Energy Technology, 2017, 5, 1897-1907.	1.8	68
35	The hydrodeoxygenation, hydrogenation, hydrodealkylation and ring-opening reaction in the hydrotreating of low temperature coal tar over Niâ€“Mo/Î³-Al2O3 catalyst. Reaction Kinetics, Mechanisms and Catalysis, 2017, 121, 487-503.	0.8	15
36	Kinetic Model for Low-Temperature Coal Tar Hydrorefining. Energy & Fuels, 2017, 31, 5441-5447.	2.5	16

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37	Hydroprocessing of Low-Temperature Coal Tar for the Production of Clean Fuel over Fluorinated NiW/Al₂O₃â€“SiO₂ Catalyst. Energy & Fuels, 2017, 31, 3768-3783.	2.5	41
38	Production of Clean Fuels by Catalytic Hydrotreating a Low Temperature Coal Tar Distillate in a Pilot-Scale Reactor. Energy & Fuels, 2017, 31, 11495-11508.	2.5	30
39	Concise synthesis of a new triterpenoid saponin from the roots of Gypsophila oldhamiana and its derivatives as Î±-glucosidase inhibitors. New Journal of Chemistry, 2016, 40, 9537-9549.	1.4	4
40	Product compositions from catalytic hydroprocessing of low temperature coal tar distillate over three commercial catalysts. Reaction Kinetics, Mechanisms and Catalysis, 2016, 119, 491-509.	0.8	11
41	Development, Status, and Prospects of Coal Tar Hydrogenation Technology. Energy Technology, 2016, 4, 1338-1348.	1.8	36
42	Effect of Dephenolization on Low-Temperature Coal Tar Hydrogenation To Produce Fuel Oil. Energy & Fuels, 2016, 30, 10215-10221.	2.5	32
43	Concise synthesis of two natural steroidal glycosides isolated from Allium schoenoprasum. Research on Chemical Intermediates, 2016, 42, 1611-1626.	1.3	2
44	Characterization of asphaltene isolated from low-temperature coal tar. Fuel Processing Technology, 2015, 138, 413-418.	3.7	66
45	Optimization of Processing Parameters and Macrokinetics for Hydrodesulfurization of Coal Tar. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2015, 37, 2591-2600.	1.2	8
46	Modeling the hydrotreatment of full range medium temperature coal tar by using a lumping kinetic approach. Reaction Kinetics, Mechanisms and Catalysis, 2015, 114, 451-471.	0.8	23
47	Optimization of reaction variables and macrokinetics for the hydrodeoxygenation of full range low temperature coal tar. Reaction Kinetics, Mechanisms and Catalysis, 2015, 116, 433-450.	0.8	24
48	Characterization of Toluene Insolubles from Lowâ€Temperature Coal Tar. Energy Technology, 2014, 2, 548-555.	1.8	9
49	Synthesis and evaluation of several oleanolic acid glycoconjugates as protein tyrosine phosphatase 1B inhibitors. European Journal of Medicinal Chemistry, 2014, 79, 34-46.	2.6	11
50	Synthesis and Evaluation of Four Hederagenin Glycosides as Î±â€Glucosidase Inhibitor. Helvetica Chimica Acta, 2013, 96, 142-149.	1.0	10
51	Hydrotreating of low temperature coal tar to produce clean liquid fuels. Journal of Analytical and Applied Pyrolysis, 2013, 100, 245-252.	2.6	94
52	Synthesis and Evaluation of Benzophenone Oâ€Glycosides as Î±â€Glucosidase Inhibitors. Archiv Der Pharmazie, 2012, 345, 771-783.	2.1	10
53	Hydroxymethylation and Aminomethylation of 2-Aminothiazol Derivatives at 5 Position. Chinese Journal of Organic Chemistry, 2012, 32, 601.	0.6	0
54	Optimization of Processing Parameters and Macrokinetics for Hydrodenitrogenation of Coal Tar. Advanced Science Letters, 2011, 4, 1514-1518.	0.2	6

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55	Facile Synthesis of Several Oleanane-Type Triterpenoid Saponins. Journal of Carbohydrate Chemistry, 2010, 29, 386-402.	0.4	14
56	Lumped kinetic simulation of hydrodesulfurization of full-range low temperature coal tar. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-13.	1.2	1