Jichang Liu

List of Publications by Citations

56	548	16	21
papers	citations	h-index	g-index
61	833	4.5	4.22
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
56	A Decade of UiO-66 Research: A Historic Review of Dynamic Structure, Synthesis Mechanisms, and Characterization Techniques of an Archetypal Metal□Organic Framework. *Crystal Growth and Design*, **2020**, 20, 1347-1362	3.5	130
55	Knudsen diffusion in channels and networks. *Chemical Engineering Science*, **2014**, 111, 1-14	4.4	25
54	Building and Application of Delayed Coking Structure-Oriented Lumping Model. *Industrial & Engineering Chemistry Research*, **2012**, 51, 3923-3931	3.9	25
53	Metal-Modified Cu-BTC Acid for Highly Enhanced Adsorption of Organosulfur Species. *Industrial & Engineering Chemistry Research*, **2017**, 56, 9541-9550	3.9	24
52	Hollow-spherical composites of Polyaniline/Cobalt Sulfide/Carbon nanodots with enhanced magnetocapacitance and electromagnetic wave absorption capabilities. *Applied Surface Science*, **2016**, 378, 49-56	6.7	23
51	The Synthesis of Hierarchical SAPO-34 and its Enhanced Catalytic Performance in Chloromethane Conversion to Light Olefins. *Catalysis Letters*, **2014**, 144, 1609-1616	2.8	22
50	Building a Kinetic Model for Steam Cracking by the Method of Structure-Oriented Lumping. *Energy & Fuels*, **2010**, 24, 4380-4386	4.1	22
49	A Delayed Coking Model Built Using the Structure-Oriented Lumping Method. *Energy & Fuels*, **2012**, 26, 1715-1724	4.1	21
48	Prolonged HKUST-1 functionality under extreme hydrothermal conditions by electrospinning polystyrene fibers as a new coating method. *Microporous and Mesoporous Materials*, **2018**, 270, 34-39	5.3	19
47	Hybrid Supercapacitors Based on Interwoven CoO-NiO-ZnO Nanowires and Porous Graphene Hydrogel Electrodes with Safe Aqueous Electrolyte for High Supercapacitance. *Advanced Electronic Materials*, **2019**, 5, 1900397	6.4	19
46	Molecular-Level-Process Model with Feedback of the Heat Effects on a Complex Reaction Network in a Fluidized Catalytic Cracking Process. *Industrial & Engineering Chemistry Research*, **2017**, 56, 3568-3577	3.9	17
45	Metal□rganic framework-based mixed-matrix membranes for gas separation: An overview. *Journal of Polymer Science*, **2020**, 58, 2518-2546	2.4	17
44	A cobalt metal-organic framework with small pore size for adsorptive separation of CO2 over N2 and CH4. *AICHE Journal*, **2017**, 63, 4532-4540	3.6	16
43	Adsorption and diffusion of carbon dioxide on the metal-organic framework CuBTB. *Chemical Engineering Science*, **2017**, 167, 10-17	4.4	16
42	Modeling Nanoparticle Dispersion in Electrospun Nanofibers. *Langmuir*, **2018**, 34, 1340-1346	4	16
41	Energetics of Confinement of n-Hexane in Ca□a Ion Exchanged Zeolite A. *Journal of Physical Chemistry C*, **2014**, 118, 25590-25596	3.8	16
40	Monitoring Histone Methylation (H3K9me3) Changes in Live Cells. *ACS Omega*, **2019**, 4, 13250-13259	3.9	13

39	Monte Carlo Simulations to Examine the Role of Pore Structure on Ambient Air Separation in Metal□Organic Frameworks. *Industrial & Engineering Chemistry Research*, **2018**, 57, 9240-9253	3.9	11
38	Generating Assembled MFI Nanocrystals with Reduced b-Axis through Structure-Directing Agent Exchange Induced Recrystallization. *Angewandte Chemie - International Edition*, **2021**, 60, 13959-13968	16.4	9
37	One-pot synthesis of binderless zeolite A spheres via in situ hydrothermal conversion of silica gel precursors. *AICHE Journal*, **2018**, 64, 4027-4038	3.6	9
36	Molecular level analysis on performance of diameter expanding reactor to improve gasoline quality in FCC process. *Fuel*, **2021**, 290, 119978	7.1	7
35	Manipulating Oxidation States of Copper within Cu-BTC Using Na2S2O3 as a New Strategy for Enhanced Adsorption of Sulfide. *Industrial & Engineering Chemistry Research*, **2019**, 58, 19503-19510	3.9	6
34	Mean stop paths and diffusion regimes of molecules in one-dimensional zeolite channels. *Chemical Engineering Science*, **2017**, 172, 117-124	4.4	5
33	Tuning the Catalytic Activity and Stability of Al□Ti Bimetallic Species Immobilized on MgO□Al2O3□SiO2 for 1-Decene Oligomerization. *Industrial & Engineering Chemistry Research*, **2018**, 57, 6664-6672	3.9	5
32	Removal of nickels from crude oil to water by two micro-sized core-shell particles bearing poly(N-vinyl pyrrolidone). *Fuel*, **2019**, 245, 181-187	7.1	5
31	UIO66-membranized SAPO-34 Pt catalyst for enhanced carbon dioxide conversion efficiency. *Materials Today Energy*, **2021**, 21, 100781	7	5
30	Reaction network of sulfur compounds in delayed coking process. *Chemical Engineering Journal*, **2021**, 422, 129903	14.7	4
29	Molecular-level reaction network in delayed coking process based on structure-oriented lumping. *Chemical Engineering Science*, **2021**, 246, 116981	4.4	4
28	Preparation and evaluation of 30# hard grade asphalt. *Petroleum Science and Technology*, **2017**, 35, 436-442	1.4	3
27	Optimization of vacuum resid solvent deasphalting to produce bright stock and hard asphalt. *Petroleum Science and Technology*, **2018**, 36, 55-61	1.4	3
26	Synthesis of hierarchical 5A zeolites to improve the separation efficiency of n-paraffins. *Adsorption Science and Technology*, **2019**, 37, 530-544	3.6	3
25	Reduction of NOx in fluid catalytic cracking flue gas over Mg-Al spinel modified with transition metal oxides. *Petroleum Science and Technology*, **2016**, 34, 1958-1963	1.4	3
24	In Situ Hydrothermal Conversion of Silica Gel Precursors to Binderless Zeolite X Pellets for Enhanced Olefin Adsorption. *Industrial & Engineering Chemistry Research*, **2020**, 59, 9997-10009	3.9	2
23	Solvent deasphalting of Saudi residue to produce 30# hard asphalt. *Petroleum Science and Technology*, **2016**, 34, 1777-1782	1.4	2
22	Structure□Property□Energetics Relationship of Organosulfide Capture Using Cu(I)/Cu(II)-BTC Edited by Valence Engineering. *Industrial & Engineering Chemistry Research*, **2021**, 60, 371-377	3.9	2

21	Generating Assembled MFI Nanocrystals with Reduced b-Axis through Structure-Directing Agent Exchange Induced Recrystallization. *Angewandte Chemie*, **2021**, 133, 14078-14087	3.6	2
20	One-pot synthesis of CoO□ZnO/rGO supported on Ni foam for high-performance hybrid supercapacitor with greatly enhanced cycling stability. *Chinese Chemical Letters*, **2021**, 32, 2027-2032	8.1	2
19	Comparative evaluation of the aging performance of hard asphalts using physical chemical relationships. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2017**, 39, 264-270	1.6	1
18	Numerical and Experimental Research on a Kaibel Divided-Wall Column: Design and Steady-State and Dynamic Operation. *Industrial & Engineering Chemistry Research*, **2020**, 59, 12557-12567	3.9	1
17	Photocatalytic Benzylic Oxidation Promoted by Eosin Y in Water. *ACS Sustainable Chemistry and Engineering*, **2022**, 10, 1822-1828	8.3	1
16	Pd-Catalyzed direct C-H arylation of pyrrolo[1,2-]quinoxalines.. *Organic and Biomolecular Chemistry*, **2022**,	3.9	1
15	Crystallization Behaviours of Poly(vinylidene fluoride) (PVDF) Nanocomposites with MoS□ Nanosheets with Different Surface Functional Groups. *Journal of Nanoscience and Nanotechnology*, **2020**, 20, 7535-7543	1.3	1
14	Characterization of hard-grade asphalt using entropy analysis. *Petroleum Science and Technology*, **2017**, 35, 703-709	1.4	1
13	Preparation and Carbonization of Metal Organic Framework Zn(bdc)(ted)0.5 for Enhancing Moisture Resistance and Methane Storage Capacity. *Industrial & Engineering Chemistry Research*, **2021**, 60, 3809-3818	3.9	1
12	A kinetic model for coking denitrification of heavy oil with high nitrogen content based on starch using a structure-oriented lumping method.. *RSC Advances*, **2018**, 8, 32707-32718	3.7	1
11	Study on structure control and pour point depression mechanism of comb-type copolymers. *Petroleum Science and Technology*,1-18	1.4	1
10	Converting CO2 Hydrogenation Products from Paraffins to Olefins: Modification of Zeolite Surface Properties by a UIO-n Membrane. *ACS Catalysis*,5894-5902	13.1	1
9	Solution plasma-assisted preparation of highly dispersed NiMnAl-LDO catalyst to enhance low-temperature activity of CO2 methanation. *International Journal of Hydrogen Energy*, **2021**, 47, 2234-2234	6.7	0
8	Nickel-catalyzed □-alkylation of ketones with benzyl alcohols. *Applied Organometallic Chemistry*,e6493	3.1	0
7	Reaction Kinetic Model of Naphtha□Methanol Catalytic Conversion for Light Olefins over HZSM-5 Based on Structure-Oriented Lumping. *Energy & Fuels*, **2021**, 35, 10786-10795	4.1	0
6	Enhancing of Nanocatalyst-Driven Chemodynaminc Therapy for Endometrial Cancer Cells Through Inhibition of PINK1/Parkin-Mediated Mitophagy. *International Journal of Nanomedicine*, **2021**, 16, 6661-6679	7.3	0
5	Reaction Behaviors of Polycyclic Aromatic Hydrocarbon Molecules in a Diesel Hydro-Upgrading Process Based on the Molecular-Level Reaction Kinetic Model. *Industrial & Engineering Chemistry Research*, **2022**, 61, 5723-5733	3.9	0
4	Hosting AlCl3 on ternary metal oxide composites for catalytic oligomerization of 1-decene: Revealing the role of supports via performance evaluation and DFT calculation. *Microporous and Mesoporous Materials*, **2022**, 333, 111665	5.3	

List of Publications

3	Kinetics on the Integration of Methanol Aromatization with Raffinate Oil over ZSM-5/ZSM-11 Zeolite. *Industrial & Engineering Chemistry Research*, **2021**, 60, 18293-18303	3.9
2	Study on quantitative structure of oil from oily sludge by improved Brown-Ladner (B-L) method. *Petroleum Science and Technology*, **2022**, 40, 871-878	1.4
1	Enhanced adsorption selectivity of 1-hexene / n-hexane mixtures in Cu-BTC metal-organic framework by acid modification. *Microporous and Mesoporous Materials*, **2022**, 337, 111909	5.3