

Jichang Liu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56
papers

548
citations

16
h-index

21
g-index

61
ext. papers

833
ext. citations

4.5
avg, IF

4.22
L-index

#	Paper	IF	Citations
56	Photocatalytic Benzylic Oxidation Promoted by Eosin Y in Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 1822-1828	8.3	1
55	Hosting AlCl ₃ on ternary metal oxide composites for catalytic oligomerization of 1-decene: Revealing the role of supports via performance evaluation and DFT calculation. <i>Microporous and Mesoporous Materials</i> , 2022 , 333, 111665	5.3	
54	Pd-Catalyzed direct C-H arylation of pyrrolo[1,2-]quinoxalines.. <i>Organic and Biomolecular Chemistry</i> , 2022 ,	3.9	1
53	Study on quantitative structure of oil from oily sludge by improved Brown-Ladner (B-L) method. <i>Petroleum Science and Technology</i> , 2022 , 40, 871-878	1.4	
52	Enhanced adsorption selectivity of 1-hexene / n-hexane mixtures in Cu-BTC metal-organic framework by acid modification. <i>Microporous and Mesoporous Materials</i> , 2022 , 337, 111909	5.3	
51	Reaction Behaviors of Polycyclic Aromatic Hydrocarbon Molecules in a Diesel Hydro-Upgrading Process Based on the Molecular-Level Reaction Kinetic Model. <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 5723-5733	3.9	0
50	Solution plasma-assisted preparation of highly dispersed NiMnAl-LDO catalyst to enhance low-temperature activity of CO ₂ methanation. <i>International Journal of Hydrogen Energy</i> , 2021 , 47, 2234-2234	6.7	0
49	Structure-Property-Energetics Relationship of Organosulfide Capture Using Cu(I)/Cu(II)-BTC Edited by Valence Engineering. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 371-377	3.9	2
48	Preparation and Carbonization of Metal Organic Framework Zn(bdc)(ted) _{0.5} For Enhancing Moisture Resistance and Methane Storage Capacity. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 3809-3818	3.9	1
47	Molecular level analysis on performance of diameter expanding reactor to improve gasoline quality in FCC process. <i>Fuel</i> , 2021 , 290, 119978	7.1	7
46	Generating Assembled MFI Nanocrystals with Reduced b-Axis through Structure-Directing Agent Exchange Induced Recrystallization. <i>Angewandte Chemie</i> , 2021 , 133, 14078-14087	3.6	2
45	Generating Assembled MFI Nanocrystals with Reduced b-Axis through Structure-Directing Agent Exchange Induced Recrystallization. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 13959-13968	16.4	9
44	Reaction Kinetic Model of Naphthalene-Methanol Catalytic Conversion for Light Olefins over HZSM-5 Based on Structure-Oriented Lumping. <i>Energy & Fuels</i> , 2021 , 35, 10786-10795	4.1	0
43	One-pot synthesis of CoO _x /rGO supported on Ni foam for high-performance hybrid supercapacitor with greatly enhanced cycling stability. <i>Chinese Chemical Letters</i> , 2021 , 32, 2027-2032	8.1	2
42	UiO66-membranized SAPO-34 Pt catalyst for enhanced carbon dioxide conversion efficiency. <i>Materials Today Energy</i> , 2021 , 21, 100781	7	5
41	Enhancing of Nanocatalyst-Driven Chemodynamic Therapy for Endometrial Cancer Cells Through Inhibition of PINK1/Parkin-Mediated Mitophagy. <i>International Journal of Nanomedicine</i> , 2021 , 16, 6661-6679	7.3	0
40	Reaction network of sulfur compounds in delayed coking process. <i>Chemical Engineering Journal</i> , 2021 , 422, 129903	14.7	4

39	Molecular-level reaction network in delayed coking process based on structure-oriented lumping. <i>Chemical Engineering Science</i> , 2021 , 246, 116981	4.4	4
38	Kinetics on the Integration of Methanol Aromatization with Raffinate Oil over ZSM-5/ZSM-11 Zeolite. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 18293-18303	3.9	
37	In Situ Hydrothermal Conversion of Silica Gel Precursors to Binderless Zeolite X Pellets for Enhanced Olefin Adsorption. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 9997-10009	3.9	2
36	Numerical and Experimental Research on a Kaibel Divided-Wall Column: Design and Steady-State and Dynamic Operation. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 12557-12567	3.9	1
35	Crystallization Behaviours of Poly(vinylidene fluoride) (PVDF) Nanocomposites with MoS ₂ Nanosheets with Different Surface Functional Groups. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 7535-7543	1.3	1
34	A Decade of UiO-66 Research: A Historic Review of Dynamic Structure, Synthesis Mechanisms, and Characterization Techniques of an Archetypal Metal-Organic Framework. <i>Crystal Growth and Design</i> , 2020 , 20, 1347-1362	3.5	130
33	Metal-Organic framework-based mixed-matrix membranes for gas separation: An overview. <i>Journal of Polymer Science</i> , 2020 , 58, 2518-2546	2.4	17
32	Manipulating Oxidation States of Copper within Cu-BTC Using Na ₂ S ₂ O ₃ as a New Strategy for Enhanced Adsorption of Sulfide. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 19503-19510	3.9	6
31	Monitoring Histone Methylation (H3K9me3) Changes in Live Cells. <i>ACS Omega</i> , 2019 , 4, 13250-13259	3.9	13
30	Synthesis of hierarchical 5A zeolites to improve the separation efficiency of n-paraffins. <i>Adsorption Science and Technology</i> , 2019 , 37, 530-544	3.6	3
29	Hybrid Supercapacitors Based on Interwoven CoO-NiO-ZnO Nanowires and Porous Graphene Hydrogel Electrodes with Safe Aqueous Electrolyte for High Supercapacitance. <i>Advanced Electronic Materials</i> , 2019 , 5, 1900397	6.4	19
28	Removal of nicks from crude oil to water by two micro-sized core-shell particles bearing poly(N-vinyl pyrrolidone). <i>Fuel</i> , 2019 , 245, 181-187	7.1	5
27	Optimization of vacuum resid solvent deasphalting to produce bright stock and hard asphalt. <i>Petroleum Science and Technology</i> , 2018 , 36, 55-61	1.4	3
26	Modeling Nanoparticle Dispersion in Electrospun Nanofibers. <i>Langmuir</i> , 2018 , 34, 1340-1346	4	16
25	Tuning the Catalytic Activity and Stability of Al ₂ O ₃ /Ti Bimetallic Species Immobilized on MgO/Al ₂ O ₃ /SiO ₂ for 1-Decene Oligomerization. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 6664-6672	3.9	5
24	Monte Carlo Simulations to Examine the Role of Pore Structure on Ambient Air Separation in Metal-Organic Frameworks. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 9240-9253	3.9	11
23	Prolonged HKUST-1 functionality under extreme hydrothermal conditions by electrospinning polystyrene fibers as a new coating method. <i>Microporous and Mesoporous Materials</i> , 2018 , 270, 34-39	5.3	19
22	A kinetic model for coking denitrification of heavy oil with high nitrogen content based on starch using a structure-oriented lumping method. <i>RSC Advances</i> , 2018 , 8, 32707-32718	3.7	1

21	One-pot synthesis of binderless zeolite A spheres via in situ hydrothermal conversion of silica gel precursors. <i>AICHE Journal</i> , 2018 , 64, 4027-4038	3.6	9
20	Comparative evaluation of the aging performance of hard asphalts using physical chemical relationships. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2017 , 39, 264-270	1.6	1
19	A cobalt metal-organic framework with small pore size for adsorptive separation of CO ₂ over N ₂ and CH ₄ . <i>AICHE Journal</i> , 2017 , 63, 4532-4540	3.6	16
18	Mean stop paths and diffusion regimes of molecules in one-dimensional zeolite channels. <i>Chemical Engineering Science</i> , 2017 , 172, 117-124	4.4	5
17	Preparation and evaluation of 30# hard grade asphalt. <i>Petroleum Science and Technology</i> , 2017 , 35, 436-442	4.4	3
16	Adsorption and diffusion of carbon dioxide on the metal-organic framework CuBTB. <i>Chemical Engineering Science</i> , 2017 , 167, 10-17	4.4	16
15	Molecular-Level-Process Model with Feedback of the Heat Effects on a Complex Reaction Network in a Fluidized Catalytic Cracking Process. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 3568-3577	3.9	17
14	Metal-Modified Cu-BTC Acid for Highly Enhanced Adsorption of Organosulfur Species. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 9541-9550	3.9	24
13	Characterization of hard-grade asphalt using entropy analysis. <i>Petroleum Science and Technology</i> , 2017 , 35, 703-709	1.4	1
12	Solvent deasphalting of Saudi residue to produce 30# hard asphalt. <i>Petroleum Science and Technology</i> , 2016 , 34, 1777-1782	1.4	2
11	Reduction of NO _x in fluid catalytic cracking flue gas over Mg-Al spinel modified with transition metal oxides. <i>Petroleum Science and Technology</i> , 2016 , 34, 1958-1963	1.4	3
10	Hollow-spherical composites of Polyaniline/Cobalt Sulfide/Carbon nanodots with enhanced magnetocapacitance and electromagnetic wave absorption capabilities. <i>Applied Surface Science</i> , 2016 , 378, 49-56	6.7	23
9	Energetics of Confinement of n-Hexane in Ca ^{Na} Ion Exchanged Zeolite A. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 25590-25596	3.8	16
8	The Synthesis of Hierarchical SAPO-34 and its Enhanced Catalytic Performance in Chloromethane Conversion to Light Olefins. <i>Catalysis Letters</i> , 2014 , 144, 1609-1616	2.8	22
7	Knudsen diffusion in channels and networks. <i>Chemical Engineering Science</i> , 2014 , 111, 1-14	4.4	25
6	A Delayed Coking Model Built Using the Structure-Oriented Lumping Method. <i>Energy & Fuels</i> , 2012 , 26, 1715-1724	4.1	21
5	Building and Application of Delayed Coking Structure-Oriented Lumping Model. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 3923-3931	3.9	25
4	Building a Kinetic Model for Steam Cracking by the Method of Structure-Oriented Lumping. <i>Energy & Fuels</i> , 2010 , 24, 4380-4386	4.1	22

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| 3 | Nickel-catalyzed α -alkylation of ketones with benzyl alcohols. <i>Applied Organometallic Chemistry</i> , e6493 | 3.1 | 0 |
| 2 | Study on structure control and pour point depression mechanism of comb-type copolymers. <i>Petroleum Science and Technology</i> , 1-18 | 1.4 | 1 |
| 1 | Converting CO ₂ Hydrogenation Products from Paraffins to Olefins: Modification of Zeolite Surface Properties by a UIO-n Membrane. <i>ACS Catalysis</i> , 5894-5902 | 13.1 | 1 |