

Liang Yu

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Industrially relevant CHA membranes for CO ₂ /CH ₄ separation. <i>Journal of Membrane Science</i> , 2022, 641, 119888.	4.1	42
2	The origin of the surface barrier in nanoporous materials. <i>Journal of Membrane Science</i> , 2022, 641, 119893.	4.1	10
3	Recovery of helium from natural gas using MFI membranes. <i>Journal of Membrane Science</i> , 2022, 644, 120113.	4.1	6
4	Bacterial cellulose assisted synthesis of hierarchical pompon-like SAPO-34 for CO ₂ adsorption. <i>Microporous and Mesoporous Materials</i> , 2022, 331, 111664.	2.2	5
5	Mass transport of CO ₂ over CH ₄ controlled by the selective surface barrier in ultra-thin CHA membranes. <i>Microporous and Mesoporous Materials</i> , 2022, 332, 111716.	2.2	7
6	Ultra-thin zeolite CHA and FAU membranes for desalination by pervaporation. <i>Separation and Purification Technology</i> , 2022, 294, 121177.	3.9	5
7	Zeolite membrane process for industrial CO ₂ /CH ₄ separation. <i>Chemical Engineering Journal</i> , 2022, 446, 137223.	6.6	14
8	Removal of dyes from aqueous solution using novel C@C composite adsorbents. <i>Microporous and Mesoporous Materials</i> , 2021, 313, 110840.	2.2	15
9	Microporous Nickel-Coordinated Aminosilica Membranes for Improved Pervaporation Performance of Methanol/Toluene Separation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23247-23259.	4.0	23
10	C@TiO ₂ core-shell adsorbents for efficient rhodamine B adsorption from aqueous solution. <i>Microporous and Mesoporous Materials</i> , 2021, 320, 111110.	2.2	7
11	Monolithic carbon aerogels from bioresources and their application for CO ₂ adsorption. <i>Microporous and Mesoporous Materials</i> , 2021, 323, 111236.	2.2	10
12	Efficient synthesis of polyether polyols in simple microreactors. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 685-693.	1.9	2
13	Preparation of Silica@Silica Core-Shell Microspheres Using an Aqueous Two-Phase System in a Novel Microchannel Device. <i>Langmuir</i> , 2020, 36, 576-584.	1.6	6
14	High performance fluoride MFI membranes for efficient CO ₂ /H ₂ separation. <i>Journal of Membrane Science</i> , 2020, 616, 118623.	4.1	15
15	Highly permeable and selective tubular zeolite CHA membranes. <i>Journal of Membrane Science</i> , 2019, 588, 117224.	4.1	52
16	Preparation of carbon/cobalt composite from phenolic resin and ZIF-67 for efficient tannic acid adsorption. <i>Microporous and Mesoporous Materials</i> , 2019, 287, 9-17.	2.2	21
17	Ultra-thin MFI membranes with different Si/Al ratios for CO ₂ /CH ₄ separation. <i>Microporous and Mesoporous Materials</i> , 2019, 284, 258-264.	2.2	33
18	A novel method for fabrication of high-flux zeolite membranes on supports with arbitrary geometry. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10325-10330.	5.2	25

#	ARTICLE	IF	CITATIONS
19	Binderless zeolite NaX microspheres with enhanced CO ₂ adsorption selectivity. <i>Microporous and Mesoporous Materials</i> , 2019, 278, 267-274.	2.2	28
20	Two-Phase Diffusion Technique for the Preparation of Ultramacroporous/Mesoporous Silica Microspheres via Interface Hydrolysis, Diffusion, and Gelation of TEOS. <i>Langmuir</i> , 2018, 34, 2046-2056.	1.6	4
21	Highly permeable CHA membranes prepared by fluoride synthesis for efficient CO ₂ /CH ₄ separation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6847-6853.	5.2	75
22	Ultra-thin MFI membranes for removal of C ₃ + hydrocarbons from methane. <i>Journal of Membrane Science</i> , 2018, 551, 254-260.	4.1	30
23	Preparation of hollow zeolite NaA/chitosan composite microspheres via in situ hydrolysis-gelation-hydrothermal synthesis of TEOS. <i>Microporous and Mesoporous Materials</i> , 2018, 257, 262-271.	2.2	15
24	Fabrication of PAA/PETPTA Janus Microspheres with Respiratory Function for Controlled Release of Guests with Different Sizes. <i>Langmuir</i> , 2018, 34, 7106-7116.	1.6	12
25	Preparation of size-controllable monodispersed carbon@silica core-shell microspheres and hollow silica microspheres. <i>Microporous and Mesoporous Materials</i> , 2017, 247, 75-85.	2.2	9
26	Ultra-thin MFI membranes for olefin/nitrogen separation. <i>Journal of Membrane Science</i> , 2017, 524, 428-435.	4.1	41
27	In situ impregnation-gelation-hydrothermal crystallization synthesis of hollow fiber zeolite NaA membrane. <i>Microporous and Mesoporous Materials</i> , 2017, 244, 278-283.	2.2	10
28	A universal biological-materials-assisted hydrothermal route to prepare various inorganic hollow microcapsules in the presence of pollens. <i>Powder Technology</i> , 2016, 301, 26-33.	2.1	11
29	A simple method for blocking defects in zeolite membranes. <i>Journal of Membrane Science</i> , 2015, 489, 270-274.	4.1	25
30	Very high flux MFI membranes for alcohol recovery via pervaporation at high temperature and pressure. <i>Separation and Purification Technology</i> , 2015, 153, 138-145.	3.9	26
31	Synthesis of binderless zeolite X microspheres and their CO ₂ adsorption properties. <i>Separation and Purification Technology</i> , 2013, 118, 188-195.	3.9	48
32	Preparation of zeolite-A/chitosan hybrid composites and their bioactivities and antimicrobial activities. <i>Materials Science and Engineering C</i> , 2013, 33, 3652-3660.	3.8	55
33	A two-phase segmented microfluidic technique for one-step continuous versatile preparation of zeolites. <i>Chemical Engineering Journal</i> , 2013, 219, 78-85.	6.6	33
34	Synthesis of Monodisperse Zeolite A/Chitosan Hybrid Microspheres and Binderless Zeolite A Microspheres. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 2299-2308.	1.8	34
35	Influence of glycerol cosolvent on the synthesis of size controllable zeolite A. <i>Materials Letters</i> , 2011, 65, 2304-2306.	1.3	18