Liang Yu

List of Publications by Year
in descending order

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35	772	471061	525886
papers	citations	17	27
		h-index	g-index

35	35	35	799
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highly permeable CHA membranes prepared by fluoride synthesis for efficient CO₂/CH₄ separation. Journal of Materials Chemistry A, 2018, 6, 6847-6853.	5.2	75
2	Preparation of zeolite-A/chitosan hybrid composites and their bioactivities and antimicrobial activities. Materials Science and Engineering C, 2013, 33, 3652-3660.	3.8	55
3	Highly permeable and selective tubular zeolite CHA membranes. Journal of Membrane Science, 2019, 588, 117224.	4.1	52
4	Synthesis of binderless zeolite X microspheres and their CO2 adsorption properties. Separation and Purification Technology, 2013, 118, 188-195.	3.9	48
5	Industrially relevant CHA membranes for CO2/CH4 separation. Journal of Membrane Science, 2022, 641, 119888.	4.1	42
6	Ultra-thin MFI membranes for olefin/nitrogen separation. Journal of Membrane Science, 2017, 524, 428-435.	4.1	41
7	Synthesis of Monodisperse Zeolite A/Chitosan Hybrid Microspheres and Binderless Zeolite A Microspheres. Industrial & Engineering Chemistry Research, 2012, 51, 2299-2308.	1.8	34
8	A two-phase segmented microfluidic technique for one-step continuous versatile preparation of zeolites. Chemical Engineering Journal, 2013, 219, 78-85.	6.6	33
9	Ultra-thin MFI membranes with different Si/Al ratios for CO2/CH4 separation. Microporous and Mesoporous Materials, 2019, 284, 258-264.	2.2	33
10	Ultra-thin MFI membranes for removal of C3+ hydrocarbons from methane. Journal of Membrane Science, 2018, 551, 254-260.	4.1	30
11	Binderless zeolite NaX microspheres with enhanced CO2 adsorption selectivity. Microporous and Mesoporous Materials, 2019, 278, 267-274.	2.2	28
12	Very high flux MFI membranes for alcohol recovery via pervaporation at high temperature and pressure. Separation and Purification Technology, 2015, 153, 138-145.	3.9	26
13	A simple method for blocking defects in zeolite membranes. Journal of Membrane Science, 2015, 489, 270-274.	4.1	25
14	A novel method for fabrication of high-flux zeolite membranes on supports with arbitrary geometry. Journal of Materials Chemistry A, 2019, 7, 10325-10330.	5.2	25
15	Microporous Nickel-Coordinated Aminosilica Membranes for Improved Pervaporation Performance of Methanol/Toluene Separation. ACS Applied Materials & Interfaces, 2021, 13, 23247-23259.	4.0	23
16	Preparation of carbon/cobalt composite from phenolic resin and ZIF-67 for efficient tannic acid adsorption. Microporous and Mesoporous Materials, 2019, 287, 9-17.	2.2	21
17	Influence of glycerol cosolvent on the synthesis of size controllable zeolite A. Materials Letters, 2011, 65, 2304-2306.	1.3	18
18	Preparation of hollow zeolite NaA/chitosan composite microspheres via in situ hydrolysis-gelation-hydrothermal synthesis of TEOS. Microporous and Mesoporous Materials, 2018, 257, 262-271.	2.2	15

#	Article	IF	Citations
19	High performance fluoride MFI membranes for efficient CO2/H2 separation. Journal of Membrane Science, 2020, 616, 118623.	4.1	15
20	Removal of dyes from aqueous solution using novel C@C composite adsorbents. Microporous and Mesoporous Materials, 2021, 313, 110840.	2.2	15
21	Zeolite membrane process for industrial CO2/CH4 separation. Chemical Engineering Journal, 2022, 446, 137223.	6.6	14
22	Fabrication of PAAâ€“PETPTA Janus Microspheres with Respiratory Function for Controlled Release of Guests with Different Sizes. Langmuir, 2018, 34, 7106-7116.	1.6	12
23	A universal biological-materials-assisted hydrothermal route to prepare various inorganic hollow microcapsules in the presence of pollens. Powder Technology, 2016, 301, 26-33.	2.1	11
24	In situ impregnationâ˜gelationâ˜hydrothermal crystallization synthesis of hollow fiber zeolite NaA membrane. Microporous and Mesoporous Materials, 2017, 244, 278-283.	2.2	10
25	Monolithic carbon aerogels from bioresources and their application for CO2 adsorption. Microporous and Mesoporous Materials, 2021, 323, 111236.	2.2	10
26	The origin of the surface barrier in nanoporous materials. Journal of Membrane Science, 2022, 641, 119893.	4.1	10
27	Preparation of size-controllable monodispersed carbon@silica core-shell microspheres and hollow silica microspheres. Microporous and Mesoporous Materials, 2017, 247, 75-85.	2.2	9
28	C@TiO2 core-shell adsorbents for efficient rhodamine B adsorption from aqueous solution. Microporous and Mesoporous Materials, 2021, 320, 111110.	2.2	7
29	Mass transport of CO2 over CH4 controlled by the selective surface barrier in ultra-thin CHA membranes. Microporous and Mesoporous Materials, 2022, 332, 111716.	2.2	7
30	Preparation of Silica@Silica Coreâ€“Shell Microspheres Using an Aqueous Two-Phase System in a Novel Microchannel Device. Langmuir, 2020, 36, 576-584.	1.6	6
31	Recovery of helium from natural gas using MFI membranes. Journal of Membrane Science, 2022, 644, 120113.	4.1	6
32	Bacterial cellulose assisted synthesis of hierarchical pompon-like SAPO-34 for CO2 adsorption. Microporous and Mesoporous Materials, 2022, 331, 111664.	2.2	5
33	Ultra-thin zeolite CHA and FAU membranes for desalination by pervaporation. Separation and Purification Technology, 2022, 294, 121177.	3.9	5
34	Two-Phase Diffusion Technique for the Preparation of Ultramacroporous/Mesoporous Silica Microspheres via Interface Hydrolysis, Diffusion, and Gelation of TEOS. Langmuir, 2018, 34, 2046-2056.	1.6	4
35	Efficient synthesis of polyether polyols in simple microreactors. Reaction Chemistry and Engineering, 2021, 6, 685-693.	1.9	2