Xueqin Li

List of Publications by Year in descending order

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39 papers	2,424 citations	331538 21 h-index	315616 38 g-index
39 all docs	39 docs citations	39 times ranked	2079 citing authors

#	Article	IF	Citations
1	Advances in high permeability polymer-based membrane materials for CO₂ separations. Energy and Environmental Science, 2016, 9, 1863-1890.	15.6	612
2	Efficient CO₂ Capture by Functionalized Graphene Oxide Nanosheets as Fillers To Fabricate Multi-Permselective Mixed Matrix Membranes. ACS Applied Materials & Interfaces, 2015, 7, 5528-5537.	4.0	305
3	Synergistic effect of combining carbon nanotubes and graphene oxide in mixed matrix membranes for efficient CO2 separation. Journal of Membrane Science, 2015, 479, 1-10.	4.1	219
4	Facilitated transport mixed matrix membranes incorporated with amine functionalized MCM-41 for enhanced gas separation properties. Journal of Membrane Science, 2014, 465, 78-90.	4.1	196
5	Mixed-Matrix Membranes Containing Carbon Nanotubes Composite with Hydrogel for Efficient CO₂ Separation. ACS Applied Materials & Interfaces, 2016, 8, 29044-29051.	4.0	111
6	Channel-facilitated molecule and ion transport across polymer composite membranes. Chemical Society Reviews, 2017, 46, 6725-6745.	18.7	90
7	SPEEK/amine-functionalized TiO2 submicrospheres mixed matrix membranes for CO2 separation. Journal of Membrane Science, 2014, 467, 23-35.	4.1	84
8	Constructing Unique Cross-Sectional Structured Mixed Matrix Membranes by Incorporating Ultrathin Microporous Nanosheets for Efficient CO₂ Separation. ACS Applied Materials & Interfaces, 2019, 11, 24618-24626.	4.0	69
9	Non-mercury catalytic acetylene hydrochlorination over bimetallic Auâ€“Ba(<scp>ii</scp>)/AC catalysts. Catalysis Science and Technology, 2015, 5, 1870-1877.	2.1	65
10	High-performance composite membranes incorporated with carboxylic acid nanogels for CO2 separation. Journal of Membrane Science, 2015, 495, 72-80.	4.1	65
11	Incorporating the magnetic alignment of GO composites into Pebax matrix for gas separation. Journal of Energy Chemistry, 2019, 31, 1-10.	7.1	55
12	Enhanced CO2 separation properties by incorporating poly(ethylene glycol)-containing polymeric submicrospheres into polyimide membrane. Journal of Membrane Science, 2015, 473, 310-317.	4.1	47
13	Constructing CO2 transport passageways in MatrimidÂ® membranes using nanohydrogels for efficient carbon capture. Journal of Membrane Science, 2015, 474, 156-166.	4.1	45
14	Facilitated transport membranes with an amino acid salt for highly efficient CO2 separation. International Journal of Greenhouse Gas Control, 2018, 78, 85-93.	2.3	42
15	Introducing hydrophilic ultra-thin ZIF-L into mixed matrix membranes for CO₂/CH₄ separation. RSC Advances, 2019, 9, 23390-23399.	1.7	36
16	Ionic liquid-decorated nanocages for cooperative CO2 transport in mixed matrix membranes. Separation and Purification Technology, 2020, 239, 116539.	3.9	35
17	Anionic surfactant-doped Pebax membrane with optimal free volume characteristics for efficient CO 2 separation. Journal of Membrane Science, 2015, 493, 460-469.	4.1	34
18	Mixed matrix membranes with fast and selective transport pathways for efficient CO₂ separation. Nanotechnology, 2018, 29, 125706.	1.3	31

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19	Facilitating CO₂ Transport Across Mixed Matrix Membranes Containing Multifunctional Nanocapsules. ACS Applied Materials & Interfaces, 2018, 10, 43031-43039.	4.0	29
20	Extraction of glabridin using imidazolium-based ionic liquids. Separation and Purification Technology, 2012, 88, 146-150.	3.9	27
21	High-performance SPEEK/amino acid salt membranes for CO2 separation. RSC Advances, 2016, 6, 2252-2258.	1.7	22
22	Mixed matrix membrane containing metal oxide nanosheets for efficient CO2 separation. Green Chemical Engineering, 2021, 2, 132-143.	3.3	20
23	Mixed matrix membranes comprising dual-facilitated bio-inspired filler for enhancing CO2 separation. Separation and Purification Technology, 2021, 276, 119347.	3.9	20
24	Improving CO₂ separation performance by incorporating MWCNTs@mSiO₂ core@shell filler in mixed matrix membranes. Polymer Composites, 2018, 39, 4486-4495.	2.3	18
25	Optimizing microstructure of polymer composite membranes by tailoring different ionic liquids to accelerate CO2 transport. International Journal of Greenhouse Gas Control, 2020, 101, 103136.	2.3	15
26	Highly selective separation of acteoside from Cistanche tubulosa using an ionic liquid based aqueous twoâ€“phase system. Journal of Molecular Liquids, 2021, 333, 115982.	2.3	15
27	Highly Efficient Adsorption of Phenylethanoid Glycosides on Mesoporous Carbon. Frontiers in Chemistry, 2019, 7, 781.	1.8	13
28	Selective Adsorption and Purification of the Acteoside in Cistanche tubulosa by Molecularly Imprinted Polymers. Frontiers in Chemistry, 2019, 7, 903.	1.8	13
29	Extraction of Phenylethanoid Glycosides from Cistanche tubulosa by High-Speed Shearing Homogenization Extraction. Journal of AOAC INTERNATIONAL, 2019, 102, 63-68.	0.7	12
30	Tailoring physical and chemical microenvironments by polyether-amine in blended membranes for efficient CO2 separation. Korean Journal of Chemical Engineering, 2022, 39, 475-483.	1.2	12
31	Polyethyleneimine modified heterostructure porous polymer microspheres for efficient adsorption of acteoside. Journal of Molecular Liquids, 2022, 347, 118253.	2.3	11
32	Efficient CO₂ separation in mixed matrix membranes with a hierarchical pore carbon nanostructure. Journal of the Chinese Chemical Society, 2018, 65, 1347-1355.	0.8	9
33	Ultrathin Ni-Co nanosheets with disparate-CO2-affinity nanodomains in membranes to improve gas separation. Separation and Purification Technology, 2022, 292, 121024.	3.9	9
34	Mixed matrix membranes containing composite nanosheets with three-dimensional nanopores for efficient CO2 separation. International Journal of Greenhouse Gas Control, 2022, 117, 103658.	2.3	9
35	Pebaxâ€“polydopamine microsphere mixedâ€matrix membranes for efficient CO₂ separation. Journal of Applied Polymer Science, 2017, 134, .	1.3	8
36	Design and Preparation of Molecularly Imprinted Membranes for Selective Separation of Acteoside. Frontiers in Chemistry, 2020, 8, 775.	1.8	8

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37	Mesoporous polystyrene-based microspheres with polar functional surface groups synthesized from double emulsion for selective isolation of acetoside. Journal of Chromatography A, 2022, 1662, 462720.	1.8	7
38	Block copolymer membranes based on polyetheramine and methyl-containing polyisophthalamides designed for efficient CO₂ separation. High Performance Polymers, 2018, 30, 1064-1074.	0.8	6
39	Initial-Data-Parameterized linear quadratic stochastic optimal control problems with random jumps. , 2017, , .		0