

Xiangyu Guo

List of Publications by Year in descending order

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31
papers

1,553
citations

430754

18
h-index

454834

30
g-index

31
all docs

31
docs citations

31
times ranked

1963
citing authors

#	ARTICLE	IF	CITATIONS
1	Composite ultrafiltration membrane tailored by MOF@GO with highly improved water purification performance. <i>Chemical Engineering Journal</i> , 2017, 313, 890-898.	6.6	257
2	Fabrication of mixed-matrix membrane containing metal-organic framework composite with task-specific ionic liquid for efficient CO ₂ separation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7281-7288.	5.2	142
3	Mixed matrix membranes incorporated with amine-functionalized titanium-based metal-organic framework for CO ₂ /CH ₄ separation. <i>Journal of Membrane Science</i> , 2015, 478, 130-139.	4.1	140
4	Preparation of thin film nanocomposite membranes with surface modified MOF for high flux organic solvent nanofiltration. <i>AIChE Journal</i> , 2017, 63, 1303-1312.	1.8	113
5	Mixed-matrix membranes for CO ₂ separation: role of the third component. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24738-24759.	5.2	104
6	Rigidifying induced fluorescence enhancement in 2D porous covalent triazine framework nanosheets for the simultaneously luminous detection and adsorption removal of antibiotics. <i>Chemical Engineering Journal</i> , 2020, 384, 123382.	6.6	83
7	Mixed matrix membranes incorporated with polydopamine-coated metal-organic framework for dehydration of ethylene glycol by pervaporation. <i>Journal of Membrane Science</i> , 2017, 527, 8-17.	4.1	77
8	Mixed-matrix membranes containing functionalized porous metal-organic polyhedrons for the effective separation of CO ₂ -CH ₄ mixture. <i>Chemical Communications</i> , 2015, 51, 4249-4251.	2.2	72
9	Exploration of functional MOFs for efficient removal of fluoroquinolone antibiotics from water. <i>Microporous and Mesoporous Materials</i> , 2019, 286, 84-91.	2.2	72
10	Solvent-free mechanochemical route for the construction of ionic liquid and mixed-metal MOF composites for synergistic CO ₂ fixation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3180-3185.	5.2	71
11	In-situ synthesis of SiO ₂ @MOF composites for high-efficiency removal of aniline from aqueous solution. <i>Applied Surface Science</i> , 2016, 390, 506-512.	3.1	42
12	Improving particle dispersity and CO ₂ separation performance of amine-functionalized CAU-1 based mixed matrix membranes with polyethyleneimine-grafting modification. <i>Chemical Engineering Science</i> , 2018, 189, 277-285.	1.9	39
13	Synthesis of MIL-88B(Fe)/Matrimid mixed-matrix membranes with high hydrogen permselectivity. <i>RSC Advances</i> , 2015, 5, 7253-7259.	1.7	37
14	Recovery of acetone from aqueous solution by ZIF-7/PDMS mixed matrix membranes. <i>RSC Advances</i> , 2015, 5, 28394-28400.	1.7	37
15	Methyl-Shield Cu-BTC with High Water Stability through One-Step Synthesis and <i>In Situ</i> Functionalization. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 12451-12457.	1.8	29
16	Metal-organic polyhedron membranes for molecular separation. <i>Journal of Membrane Science</i> , 2021, 632, 119354.	4.1	29
17	Fabrication of mixed-matrix membranes with MOF-derived porous carbon for CO ₂ separation. <i>AIChE Journal</i> , 2018, 64, 3400-3409.	1.8	27
18	Highly selective gas transport channels in mixed matrix membranes fabricated by using water-stable Cu-BTC. <i>Separation and Purification Technology</i> , 2021, 257, 117979.	3.9	22

#	ARTICLE	IF	CITATIONS
19	Preparation and characterization of small-size amorphous MOF mixed matrix membrane. Separation and Purification Technology, 2021, 272, 118860.	3.9	21
20	Superhydrophobic Ether-Based Porous Organic Polymer-Coated Polyurethane Sponge for Highly Efficient Oil/Water Separation. Industrial & Engineering Chemistry Research, 2020, 59, 13228-13238.	1.8	18
21	Pore engineering of ZIF-8 with ionic liquids for membrane-based CO ₂ separation: bearing functional group effect. Green Chemical Engineering, 2021, 2, 104-110.	3.3	17
22	Confined Ionic Liquid-Built Gas Transfer Pathways for Efficient Propylene/Propane Separation. ACS Applied Materials & Interfaces, 2021, 13, 49050-49057.	4.0	17
23	Surface modification of bilayer structure on metal-organic frameworks towards mixed matrix membranes for efficient propylene/propane separation. Journal of Membrane Science, 2022, 648, 120350.	4.1	17
24	Materials genomics-guided ab initio screening of MOFs with open copper sites for acetylene storage. AIChE Journal, 2018, 64, 1389-1398.	1.8	16
25	Porous ZIF-8 Thin Layer Coating on ZnO Hollow Nanofibers for Enhanced Acetone Sensing. ChemistrySelect, 2020, 5, 2401-2407.	0.7	14
26	Controlling Metal Ion Counter Diffusion in Confined Spaces for In Situ Growth of Mixed Metal MOF Membranes for Gas Separation. ChemNanoMat, 2019, 5, 1244-1250.	1.5	11
27	Co-assembly of soluble metal-organic polyhedrons for high-flux thin-film nanocomposite membranes. Journal of Colloid and Interface Science, 2022, 615, 10-18.	5.0	9
28	Transforming 3D CAU-10 into 2D Materials with High Base Stability for Membrane Separation. Chemistry - an Asian Journal, 2021, 16, 3236-3243.	1.7	6
29	Metal-organic framework based mixed matrix hydrogel membranes for highly efficient gas separation. , 2021, 1, 100009.		5
30	Nanochannel Engineering in Metal-Organic Frameworks by Grafting Sulfonic Groups for Boosting Proton Conductivity. ACS Applied Energy Materials, 2022, 5, 3235-3241.	2.5	5
31	A confined flexibility release enabled non-equilibrium stage in mixed-matrix membranes: unprecedented selectivity for olefin/paraffin deep separation. Journal of Materials Chemistry A, 2021, 9, 26045-26050.	5.2	4