

Preparation of PDMS- Al_2O_3 composite hollow fibre
waste gas streams

Separation and Purification Technology

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Preparation of Ni/TiO ₂ composite hollow fibers by electroless plating. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 466, 218-222.	2.6	7
2	Mass transfer characteristics for VOC permeation through flat sheet porous and composite membranes: The impact of the different membrane layers on the overall membrane resistance. <i>Journal of Membrane Science</i> , 2008, 322, 234-242.	4.1	25
3	Toluene recovery from simulated gas effluent using POMS membrane separation technique. <i>Separation and Purification Technology</i> , 2009, 66, 411-416.	3.9	11
4	Absorption and desorption of gaseous toluene by an absorbent microcapsules column. <i>Journal of Hazardous Materials</i> , 2010, 173, 243-248.	6.5	12
5	Composite capillary membrane for solvent resistant nanofiltration. <i>Journal of Membrane Science</i> , 2011, 372, 182-190.	4.1	50
6	Vapour permeation of VOC emitted from petroleum activities: Application for low concentrations. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 1339-1352.	2.9	16
7	A new technique for preparation of PDMS/ceramic nanocomposite membrane for gaseous hydrocarbons separation. <i>Journal of Applied Polymer Science</i> , 2012, 126, 1077-1087.	1.3	1
8	Effect of Textural Properties on the Adsorption and Desorption of Toluene on the Metal-Organic Frameworks HKUST-1 and MIL-101. <i>Adsorption Science and Technology</i> , 2013, 31, 325-339.	1.5	44
9	Removal of BTEX Compounds From Waste Gases; Destruction and Recovery Techniques. <i>Critical Reviews in Environmental Science and Technology</i> , 2013, 43, 1417-1445.	6.6	41
10	Porous ceramic membranes for membrane reactors. , 2013, , 298-336.		17
12	High performance ceramic hollow fiber supported PDMS composite pervaporation membrane for bio-butanol recovery. <i>Journal of Membrane Science</i> , 2014, 450, 38-47.	4.1	136
13	Surface silylation of natural mesoporous/macroporous diatomite for adsorption of benzene. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 545-552.	5.0	52
14	Recent Progresses in Ceramic Hollow Fiber Membranes. <i>ChemBioEng Reviews</i> , 2015, 2, 54-70.	2.6	27
15	Preparation of hierarchically porous diatomite/MFI-type zeolite composites and their performance for benzene adsorption: The effects of desilication. <i>Chemical Engineering Journal</i> , 2015, 270, 450-458.	6.6	62
16	Hollow fiber modules with ceramic-supported PDMS composite membranes for pervaporation recovery of bio-butanol. <i>Separation and Purification Technology</i> , 2015, 146, 24-32.	3.9	57
17	Polymer Nanocomposite of PVDF/Organoclay-Copper Nanoparticles hybrid: Synthesis and Characterization. <i>Materials Today: Proceedings</i> , 2015, 2, 3921-3931.	0.9	2
18	Facile preparation of hierarchically porous diatomite/MFI-type zeolite composites and their performance of benzene adsorption: The effects of NaOH etching pretreatment. <i>Journal of Hazardous Materials</i> , 2015, 285, 173-181.	6.5	78
19	Cellulose as a Scaffold for Self-Assembly: From Basic Research to Real Applications. <i>Langmuir</i> , 2016, 32, 12269-12282.	1.6	67

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20	Energy efficiency of a hybrid membrane/condensation process for VOC (Volatile Organic Compounds) recovery from air: A generic approach. <i>Energy</i> , 2016, 95, 291-302.	4.5	140
21	Numerical studies of the influences of bypass on hydrogen separation in a multichannel Pd membrane system. <i>Renewable Energy</i> , 2017, 104, 259-270.	4.3	11
22	Elaborate control over the morphology and pore structure of porous silicas for VOCs removal with high efficiency and stability. <i>Adsorption</i> , 2017, 23, 37-50.	1.4	9
23	Positron insight into evolution of pore volume and penetration of the polymer network by n-heptane molecules in mesoporous XAD4. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 10009-10019.	1.3	17
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26	Study on membrane performance in vapor permeation of VOC/N ₂ mixtures via modified constant volume/variable pressure method. <i>Separation and Purification Technology</i> , 2018, 200, 273-283.	3.9	37
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29	Polydimethylsiloxane (PDMS) Composite Membrane Fabricated on the Inner Surface of a Ceramic Hollow Fiber: From Single-Channel to Multi-Channel. <i>Engineering</i> , 2020, 6, 89-99.	3.2	23
30	Energy efficiency of membrane vs hybrid membrane/cryogenic processes for propane recovery from nitrogen purging vents: A simulation study. <i>Separation and Purification Technology</i> , 2020, 240, 116613.	3.9	13
31	Composite phase change materials improve the photo-thermal effects of cotton fabrics. <i>Textile Research Journal</i> , 2021, 91, 1239-1252.	1.1	4
32	Hydrogen permeation in a palladium membrane tube: Impacts of outlet and vacuum degree. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 40787-40802.	3.8	7
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34	VOC Recovery. , 2014, , 1-3.		0
35	Relation between permeate pressure and operational parameters in VOC/nitrogen separation by a PDMS composite membrane. <i>Separation and Purification Technology</i> , 2022, 280, 119974.	3.9	17
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