

CITATION REPORT

List of articles citing

Removal of VOCs from air by membrane-based absorption and stripping

DOI: 10.1016/0376-7388(96)00145-7
Journal of Membrane Science, 1996, 120, 221-237.

Source: <https://exaly.com/paper-pdf/27388846/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
59	A hybrid of vapor permeation and membrane-based absorption-stripping for VOC removal and recovery from gaseous emissions. <i>Journal of Membrane Science</i> , 1997 , 132, 229-233	9.6	30
58	The influence of polyvinylpyrrolidone (PVP) in polyetherimid/PVP blend membranes upon vapor separation. <i>Journal of Membrane Science</i> , 1998 , 144, 251-257	9.6	10
57	Membrane-Based Ozonation of Organic Compounds. <i>Industrial & Engineering Chemistry Research</i> , 1998 , 37, 4388-4398	3.9	42
56	Flow Swing Membrane Absorption/Permeation. <i>Industrial & Engineering Chemistry Research</i> , 1998 , 37, 212-220	3.9	9
55	Regenerative Oil Scrubbing of Volatile Organic Compounds from a Gas Stream in Hollow Fiber Membrane Devices. <i>Industrial & Engineering Chemistry Research</i> , 1999 , 38, 3462-3472	3.9	19
54	Microporous membrane liquid-liquid extraction technique combined with gas chromatography mass spectrometry for the determination of organotin compounds. <i>Analytica Chimica Acta</i> , 2000 , 404, 319-328	6.6	28
53	Design of a vapor permeation membrane for VOC removal by the filling membrane concept. <i>Journal of Membrane Science</i> , 2000 , 164, 25-35	9.6	17
52	Separation methods for environmental technologies. <i>Environmental Progress</i> , 2001 , 20, 1-11		14
51	A pilot-scale demonstration of a membrane-based absorption- stripping process for removal and recovery of volatile organic compounds. <i>Environmental Progress</i> , 2001 , 20, 27-35		24
50	Removal of acetone and methanol from gaseous streams in a hollow fiber absorber. <i>Separation Science and Technology</i> , 2002 , 37, 261-277	2.5	2
49	Pervaporation-biological oxidation hybrid process for removal of volatile organic compounds from wastewaters. <i>Journal of Membrane Science</i> , 2002 , 195, 75-88	9.6	25
48	Composite hollow fiber gas-liquid membrane contactors for olefin/paraffin separation. <i>Separation and Purification Technology</i> , 2004 , 37, 209-220	8.3	45
47	Super selective membranes in gas-liquid membrane contactors for olefin/paraffin separation. <i>Journal of Membrane Science</i> , 2004 , 232, 107-114	9.6	53
46	Removal of Benzene/Toluene from Water by Vacuum Membrane Distillation in a PVDF Hollow Fiber Membrane Module. <i>Separation Science and Technology</i> , 2005 , 40, 2679-2695	2.5	25
45	Relevant applications. <i>Membrane Science and Technology</i> , 2006 , 375-450		
44	Removal of 1,1,1-trichloroethane from water using a polyvinylidene fluoride hollow fiber membrane module: Vacuum membrane distillation operation. <i>Separation and Purification Technology</i> , 2006 , 52, 301-309	8.3	66
43	A new efficient absorption liquid to treat exhaust air loaded with toluene. <i>Chemical Engineering Journal</i> , 2006 , 115, 225-231	14.7	90

42	Recovery of toluene from high temperature boiling absorbents by pervaporation. <i>Journal of Membrane Science</i> , 2006 , 284, 145-154	9.6	17
41	Novel membrane bioreactor: Able to cope with fluctuating loads, poorly water soluble VOCs, and biomass accumulation. <i>Biotechnology and Bioengineering</i> , 2008 , 99, 38-48	4.9	7
40	Determination of liquid diffusivities of VOC (paraffins and aromatic hydrocarbons) in phthalates. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008 , 47, 1357-1364	3.7	10
39	Membranes, Phase Interfaces, and Separations: Novel Techniques and Membranes?An Overview. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 5250-5266	3.9	79
38	Hybrid Liquid Membrane Processes with Organic Water-Immiscible Carriers (OHLM). 2008 , 371-407		
37	Reduction of VOC emissions by a membrane-based gas absorption process. <i>Journal of Environmental Sciences</i> , 2009 , 21, 1096-102	6.4	14
36	Separation of VOC vapor from air by a surface-soaked liquid membrane module using triethylene glycol. <i>Separation and Purification Technology</i> , 2009 , 68, 283-287	8.3	16
35	Removal of benzene from nitrogen by using polypropylene hollow fiber gas-liquid membrane contactor. <i>Separation and Purification Technology</i> , 2009 , 68, 75-82	8.3	17
34	A comparative investigation on absorption performances of three expanded graphite-based complex materials for toluene. <i>Journal of Hazardous Materials</i> , 2010 , 183, 506-11	12.8	33
33	Bulk Hybrid Liquid Membrane with Organic Water-Immiscible Carriers: Application to Chemical, Biochemical, Pharmaceutical, and Gas Separations. 2010 , 201-275		2
32	Kinetics of VOC absorption using capillary membrane contactor. <i>Chemical Engineering Journal</i> , 2011 , 168, 1016-1023	14.7	11
31	Removal of Hydrophobic Volatile Organic Compounds in an Integrated Process Coupling Absorption and Biodegradation-Selection of an Organic Liquid Phase. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 4969-4997	2.6	45
30	Composite electrospun fly ash/polyurethane fibers for absorption of volatile organic compounds from air. <i>Chemical Engineering Journal</i> , 2013 , 230, 244-250	14.7	70
29	Gas-filled membrane absorption: a review of three different applications to describe the mass transfer by means of a unified approach. <i>Desalination and Water Treatment</i> , 2013 , 51, 5649-5663		9
28	Characteristics of volatile compounds removal in biogas slurry of pig manure by ozone oxidation and organic solvents extraction. <i>Journal of Environmental Sciences</i> , 2013 , 25, 1800-7	6.4	10
27	Membrane Contactors. 2013 , 1		
26	Sustainable Development Strategies: An Overview. 2013 , 1-24		1
25	Process Intensification in the Chemical and Petrochemical Industry. 2013 , 119-151		4

24	Synergetic effect based gel-emulsions and their utilization for the template preparation of porous polymeric monoliths. <i>Langmuir</i> , 2014 , 30, 13680-8	4	21
23	CFD Simulation and Modeling of Membrane-Assisted Separation of Organic Compounds from Wastewater. <i>Chemical Engineering and Technology</i> , 2014 , 37, 81-86	2	9
22	Fly ash/polyurethane thin film for the adsorption of volatile organic compounds (VOCs) from air. <i>Fibers and Polymers</i> , 2014 , 15, 1393-1398	2	8
21	VOC separation using immobilized liquid membranes impregnated with oils. <i>Separation and Purification Technology</i> , 2015 , 153, 1-6	8.3	23
20	Asymmetric composite PDMS membrane contactors for desorption of CO ₂ from monoethanolamine. <i>International Journal of Greenhouse Gas Control</i> , 2016 , 55, 195-201	4.2	19
19	A simple and timesaving method for the mass-transfer assessment of solvents used in physical absorption. <i>Chemical Engineering Journal</i> , 2016 , 290, 302-311	14.7	18
18	Monitoring and Control of an Adsorption System Using Electrical Properties of the Adsorbent for Organic Compound Abatement. <i>Environmental Science & Technology</i> , 2017 , 51, 7581-7589	10.3	9
17	Abatement of VOCs Using Packed Bed Non-Thermal Plasma Reactors: A Review. <i>Catalysts</i> , 2017 , 7, 113	4	71
16	Toluene vapor removal using an inorganic/organic double-network ion gel membrane. <i>Separation Science and Technology</i> , 2018 , 53, 2840-2851	2.5	5
15	Capturing Condensable Gases with Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 12202-12214	3.9	33
14	Membrane technology in air pollution control: prospect and challenge. <i>Journal of Physics: Conference Series</i> , 2019 , 1217, 012046	0.3	1
13	Recent advances in technologies for the removal of volatile methylsiloxanes: A case in biogas purification process. <i>Critical Reviews in Environmental Science and Technology</i> , 2019 , 49, 2257-2313	11.1	20
12	PDMS-coated porous PVDF hollow fiber membranes for efficient recovery of dissolved biomethane from anaerobic effluents. <i>Journal of Membrane Science</i> , 2019 , 584, 333-342	9.6	23
11	Mass transport phenomena in multiphase gas/water/NAP systems. <i>Advances in Chemical Engineering</i> , 2019 , 54, 1-51	0.6	2
10	Nanocarbon composites for detection of volatile organic compounds. 2019 , 401-419		2
9	Synthesis of triptycene-based linear polyamide membrane for molecular sieving of N ₂ from the VOC mixture. <i>Separation and Purification Technology</i> , 2020 , 252, 117355	8.3	2
8	Membranes for air and volatile organic compounds treatment. 2020 , 47-69		2
7	Progress in degradation of volatile organic compounds based on low-temperature plasma technology. <i>Plasma Processes and Polymers</i> , 2020 , 17, 1900131	3.4	13

6	Stable metal-organic frameworks based mixed matrix membranes for Ethylbenzene/N ₂ separation. <i>Chemical Engineering Journal</i> , 2021 , 416, 129193	14.7	12
5	Membrane Contactors for Gaseous Streams Treatments. 2008 , 1041-1055		0
4	Various Applications of Ceramic Membranes. 2017 , 213-236		
3	A review on recent progress in environmental applications of membrane contactor technology. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107631	6.8	2
2	Optimization of regenerator operating parameters and thermal insulation construction for rotary regenerative thermal oxidizer (r-RTO) based on thermal-fluid coupling method and quadratic regression model. 2022 , 37, 102314		
1	Removal of Volatile Organic Compounds (VOCs) from Air: Focus on Biotrickling Filtration and Process Modeling. 2022 , 10, 2531		0