

# Menno Houben

## List of Publications by Year in descending order

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Version: 2024-02-01

10  
papers

136  
citations

1163117

8  
h-index

1372567

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g-index

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all docs

10  
docs citations

10  
times ranked

118  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring the separation performance of ZIF-based mixed matrix membranes by MOF-matrix interfacial compatibilization. <i>Journal of Membrane Science</i> , 2021, 637, 119642.	8.2	23
2	Plasticization behavior of crown-ether containing polyimide membranes for the separation of CO <sub>2</sub> . <i>Separation and Purification Technology</i> , 2021, 255, 117307.	7.9	21
3	Supercritical CO <sub>2</sub> permeation in glassy polyimide membranes. <i>Journal of Membrane Science</i> , 2021, 620, 118922.	8.2	16
4	The influence of pore aperture, volume and functionality of isoreticular gmelinite zeolitic imidazolate frameworks on the mixed gas CO <sub>2</sub> /N <sub>2</sub> and CO <sub>2</sub> /CH <sub>4</sub> separation performance in mixed matrix membranes. <i>Separation and Purification Technology</i> , 2021, 260, 118103.	7.9	14
5	Magnetically Aligned and Enriched Pathways of Zeolitic Imidazolate Framework 8 in Matrimid Mixed Matrix Membranes for Enhanced CO <sub>2</sub> Permeability. <i>Membranes</i> , 2020, 10, 155.	3.0	13
6	On the Order and Orientation in Liquid Crystalline Polymer Membranes for Gas Separation. <i>Chemistry of Materials</i> , 2021, 33, 8323-8333.	6.7	12
7	Systematic investigation of methods to suppress membrane plasticization during CO <sub>2</sub> permeation at supercritical conditions. <i>Journal of Membrane Science</i> , 2022, 647, 120292.	8.2	12
8	Investigation of ZIF-78 Morphology and Feed Composition on the Mixed Gas CO <sub>2</sub> /N <sub>2</sub> Separation Performance in Mixed Matrix Membranes. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001478.	3.7	11
9	Tortuous mixed matrix membranes: A subtle balance between microporosity and compatibility. <i>Journal of Membrane Science</i> , 2021, 635, 119517.	8.2	9
10	Time-dependent plasticization behavior of polyimide membranes at supercritical conditions. <i>Journal of Membrane Science</i> , 2021, 635, 119512.	8.2	5