

# Marcello Monteleone

## List of Publications by Year in descending order

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27  
papers

1,013  
citations

430874

18  
h-index

526287

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g-index

27  
all docs

27  
docs citations

27  
times ranked

1201  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced methods for analysis of mixed gas diffusion in polymeric membranes. Journal of Membrane Science, 2022, 648, 120356.	8.2	10
2	Upgrading of raw biogas using membranes based on the ultrapermeable polymer of intrinsic microporosity PIM-TMN-Trip. Journal of Membrane Science, 2021, 618, 118694.	8.2	23
3	Bioinspired Metal-Organic Frameworks in Mixed Matrix Membranes for Efficient Static/Dynamic Removal of Mercury from Water. Advanced Functional Materials, 2021, 31, 2008499.	14.9	43
4	Effect of the CO <sub>2</sub> -philic ionic liquid [BMIM][Tf <sub>2</sub> N] on the single and mixed gas transport in PolyActive <sup>®</sup> membranes. Separation and Purification Technology, 2021, 256, 117813.	7.9	11
5	Ultrapermeable Polymers of Intrinsic Microporosity Containing Spirocyclic Units with Fused Triptycenes. Advanced Functional Materials, 2021, 31, 2104474.	14.9	29
6	PEEK-WC-Based Mixed Matrix Membranes Containing Polyimine Cages for Gas Separation. Molecules, 2021, 26, 5557.	3.8	8
7	Comparison of pure and mixed gas permeation of the highly fluorinated polymer of intrinsic microporosity PIM-2 under dry and humid conditions: Experiment and modelling. Journal of Membrane Science, 2020, 594, 117460.	8.2	39
8	Correlating Gas Permeability and Young's Modulus during the Physical Aging of Polymers of Intrinsic Microporosity Using Atomic Force Microscopy. Industrial & Engineering Chemistry Research, 2020, 59, 5381-5391.	3.7	25
9	Optical Analysis of the Internal Void Structure in Polymer Membranes for Gas Separation. Membranes, 2020, 10, 328.	3.0	5
10	Poly[3-ethyl-1-vinyl-imidazolium] diethyl phosphate/Pebax <sup>®</sup> 1657 Composite Membranes and Their Gas Separation Performance. Membranes, 2020, 10, 224.	3.0	4
11	Tailoring the Thermal and Mechanical Properties of PolyActive <sup>TM</sup> Poly(Ether-Ester) Multiblock Copolymers Via Blending with CO <sub>2</sub> -Phylic Ionic Liquid. Polymers, 2020, 12, 890.	4.5	9
12	Gas Transport in Mixed Matrix Membranes: Two Methods for Time Lag Determination. Computation, 2020, 8, 28.	2.0	14
13	Glassy PEEK-WC vs. Rubbery Pebax <sup>®</sup> 1657 Polymers: Effect on the Gas Transport in CuNi-MOF Based Mixed Matrix Membranes. Applied Sciences (Switzerland), 2020, 10, 1310.	2.5	12
14	The origin of size-selective gas transport through polymers of intrinsic microporosity. Journal of Materials Chemistry A, 2019, 7, 20121-20126.	10.3	63
15	Efficient Gas Separation and Transport Mechanism in Rare Hemilabile Metal-Organic Framework. Chemistry of Materials, 2019, 31, 5856-5866.	6.7	18
16	Highly Permeable Matrimid <sup>®</sup> /PIM-EA(H <sub>2</sub> )-TB Blend Membrane for Gas Separation. Polymers, 2019, 11, 46.	4.5	31
17	Mixed matrix membranes based on MIL-101 metal-organic frameworks in polymer of intrinsic microporosity PIM-1. Separation and Purification Technology, 2019, 212, 545-554.	7.9	53
18	Temperature and pressure dependence of gas permeation in amine-modified PIM-1. Journal of Membrane Science, 2018, 555, 483-496.	8.2	45

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19	A Novel Time Lag Method for the Analysis of Mixed Gas Diffusion in Polymeric Membranes by On-Line Mass Spectrometry: Pressure Dependence of Transport Parameters. <i>Membranes</i> , 2018, 8, 73.	3.0	35
20	Temperature Dependence of Gas Permeation and Diffusion in Triptycene-Based Ultraporous Polymers of Intrinsic Microporosity. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 36475-36482.	8.0	58
21	Force spectroscopy determination of Young's modulus in mixed matrix membranes. <i>Polymer</i> , 2018, 156, 22-29.	3.8	16
22	The synthesis, chain-packing simulation and long-term gas permeability of highly selective spirobifluorene-based polymers of intrinsic microporosity. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10507-10514.	10.3	91
23	Mixed matrix membranes based on UiO-66 MOFs in the polymer of intrinsic microporosity PIM-1. <i>Separation and Purification Technology</i> , 2017, 173, 304-313.	7.9	148
24	A reliable and simple method for the assay of neuroendocrine tumor markers in human urine by solid-phase microextraction-gas chromatography-triple quadrupole mass spectrometry. <i>Analytica Chimica Acta</i> , 2013, 759, 66-73.	5.4	68
25	A solid-phase microextraction-gas chromatographic approach combined with triple quadrupole mass spectrometry for the assay of carbamate pesticides in water samples. <i>Journal of Chromatography A</i> , 2012, 1257, 149-157.	3.7	56
26	A rapid and sensitive assay of perfluorocarboxylic acids in aqueous matrices by headspace solid phase microextraction-gas chromatography-triple quadrupole mass spectrometry. <i>Journal of Chromatography A</i> , 2012, 1251, 160-168.	3.7	44
27	Sarcosine as a marker in prostate cancer progression: a rapid and simple method for its quantification in human urine by solid-phase microextraction-gas chromatography-triple quadrupole mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 2903-2912.	3.7	55