

Paola Bernardo

List of Publications by Year in descending order

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50
papers

4,968
citations

186265

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214800

47
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docs citations

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times ranked

3494
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of the Recent Progress in the Development of Nanocomposites Based on Poly(ether-block-amide) Copolymers as Membranes for CO ₂ Separation. <i>Polymers</i> , 2022, 14, 10.	4.5	17
2	EVA Films Loaded with Layered Double Hydroxide (LDH) Modified with Methacrylic Anion: Effect of the Nanohybrid Filler on the Photodegradation Phenomena. <i>Polymers</i> , 2021, 13, 2525.	4.5	0
3	Hollow Fiber Polyimide Membranes Prepared in a Triple Orifice Spinneret: Effect of a Reduced Water Activity in the Bore Fluid on the Gas Separation Performance. <i>Polymers</i> , 2021, 13, 2211.	4.5	2
4	Heterogenized Imidazolium-Based Ionic Liquids in Pebax®. Thermal, Gas Transport and Antimicrobial Properties. <i>Polymers</i> , 2020, 12, 1419.	4.5	9
5	Active packaging for table grapes: Evaluation of antimicrobial performances of packaging for shelf life of the grapes under thermal stress. <i>Food Packaging and Shelf Life</i> , 2020, 25, 100545.	7.5	30
6	Microscopic and macroscopic investigation on the gas diffusion in poly(ether-block-amide) membranes doped with polysorbate nonionic surfactants. <i>Polymer</i> , 2020, 209, 122949.	3.8	8
7	Triggering the gas transport in PVdF-HFP membranes via imidazolium ionic liquids. <i>Separation and Purification Technology</i> , 2020, 250, 117201.	7.9	17
8	Enhancing Gas Permeation Properties of Pebax® 1657 Membranes via Polysorbate Nonionic Surfactants Doping. <i>Polymers</i> , 2020, 12, 253.	4.5	28
9	Effect of Physical Aging on Gas Transport in Asymmetric Polyimide Hollow Fibers Prepared by Triple-Orifice Spinneret. <i>Polymers</i> , 2020, 12, 441.	4.5	9
10	Effect of Bridgehead Methyl Substituents on the Gas Permeability of Tröger's-Base Derived Polymers of Intrinsic Microporosity. <i>Membranes</i> , 2020, 10, 62.	3.0	21
11	Microporous Polymeric Membranes: Structure, Preparation, Characterization, and Applications. , 2019, , 225-258.		0
12	Effect of the Post-Spinning Solvent Exchange on the Performance of Asymmetric, Polyimide Hollow Fibers Prepared by Using a Triple-Orifice Spinneret. <i>Materials</i> , 2019, 12, 3632.	2.9	7
13	Solution Casting Blending: An Effective Way for Tailoring Gas Transport and Mechanical Properties of Poly(vinyl butyral) and Pebax2533. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11264-11272.	3.1	10
14	Ball Milling to Produce Composites Based of Natural Clinoptilolite as a Carrier of Salicylate in Bio-Based PA11. <i>Polymers</i> , 2019, 11, 634.	4.5	6
15	Effect of external fluid and inline crosslinking on the performance of polyimide hollow fibres prepared by using a triple-orifice spinneret. <i>Journal of Membrane Science</i> , 2019, 570-571, 410-417.	8.2	6
16	Mixed matrix membranes based on MIL-101 metal-organic frameworks in polymer of intrinsic microporosity PIM-1. <i>Separation and Purification Technology</i> , 2019, 212, 545-554.	7.9	53
17	Thin film composite membranes based on a polymer of intrinsic microporosity derived from Tröger's base: A combined experimental and computational investigation of the role of residual casting solvent. <i>Journal of Membrane Science</i> , 2019, 569, 17-31.	8.2	25
18	Temperature and pressure dependence of gas permeation in amine-modified PIM-1. <i>Journal of Membrane Science</i> , 2018, 555, 483-496.	8.2	45

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19	Influence of the Preparation Method and Photo-Oxidation Treatment on the Thermal and Gas Transport Properties of Dense Films Based on a Poly(ether-block-amide) Copolymer. <i>Materials</i> , 2018, 11, 1326.	2.9	28
20	Polymer ultrapermeability from the inefficient packing of 2D chains. <i>Nature Materials</i> , 2017, 16, 932-937.	27.5	261
21	4.9 Membrane Technology in the Refinery and Petrochemical Field: Research Trends and Recent Progresses. , 2017, , 164-188.		1
22	Enhancing the Gas Permeability of Tröger's Base Derived Polyimides of Intrinsic Microporosity. <i>Macromolecules</i> , 2016, 49, 4147-4154.	4.8	115
23	The influence of few-layer graphene on the gas permeability of the high-free-volume polymer PIM-1. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150031.	3.4	51
24	Pebax®/PAN hollow fiber membranes for CO ₂ /CH ₄ separation. <i>Chemical Engineering and Processing: Process Intensification</i> , 2015, 94, 53-61.	3.6	49
25	Highly Permeable Benzotriptycene-Based Polymer of Intrinsic Microporosity. <i>ACS Macro Letters</i> , 2015, 4, 912-915.	4.8	159
26	Gas Separation by Membrane Operations. , 2015, , 1-3.		0
27	Triptycene Induced Enhancement of Membrane Gas Selectivity for Microporous Tröger's Base Polymers. <i>Advanced Materials</i> , 2014, 26, 3526-3531.	21.0	347
28	Carbon Nanotube- and Carbon Fiber-Reinforcement of Ethylene-Octene Copolymer Membranes for Gas and Vapor Separation. <i>Membranes</i> , 2014, 4, 20-39.	3.0	23
29	Enhancement of CO ₂ Affinity in a Polymer of Intrinsic Microporosity by Amine Modification. <i>Macromolecules</i> , 2014, 47, 1021-1029.	4.8	204
30	Molecular Modeling and Gas Permeation Properties of a Polymer of Intrinsic Microporosity Composed of Ethanoanthracene and Tröger's Base Units. <i>Macromolecules</i> , 2014, 47, 7900-7916.	4.8	104
31	Gas Permeability of Hexaphenylbenzene Based Polymers of Intrinsic Microporosity. <i>Macromolecules</i> , 2014, 47, 8320-8327.	4.8	82
32	Thermally Rearrangeable PIM-Polyimides for Gas Separation Membranes. <i>Macromolecules</i> , 2014, 47, 5595-5606.	4.8	118
33	Synthesis of cardo-polymers using Tröger's base formation. <i>Polymer Chemistry</i> , 2014, 5, 5255.	3.9	63
34	A highly permeable polyimide with enhanced selectivity for membrane gas separations. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4874-4877.	10.3	159
35	Gas transport properties and pervaporation performance of fluoropolymer gel membranes based on pure and mixed ionic liquids. <i>Separation and Purification Technology</i> , 2013, 109, 87-97.	7.9	40
36	Influence of the blend composition on the properties and separation performance of novel solvent resistant polyphenylsulfone/polyimide nanofiltration membranes. <i>Journal of Membrane Science</i> , 2013, 447, 107-118.	8.2	86

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37	An Efficient Polymer Molecular Sieve for Membrane Gas Separations. <i>Science</i> , 2013, 339, 303-307.	12.6	884
38	Nanoporous Organic Polymer/Cage Composite Membranes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1253-1256.	13.8	263
39	Synthesis and gas permeation properties of novel spirobisindane-based polyimides of intrinsic microporosity. <i>Polymer Chemistry</i> , 2013, 4, 3813.	3.9	141
40	Gas permeation parameters of mixed matrix membranes based on the polymer of intrinsic microporosity PIM-1 and the zeolitic imidazolate framework ZIF-8. <i>Journal of Membrane Science</i> , 2013, 427, 48-62.	8.2	312
41	Anomalous Phenomena Occurring during Permeation and Sorption of C1-C6 Alcohol Vapors in Teflon AF 2400. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 10406-10417.	3.7	10
42	High ionic liquid content polymeric gel membranes: Correlation of membrane structure with gas and vapour transport properties. <i>Journal of Membrane Science</i> , 2012, 415-416, 801-809.	8.2	127
43	A Spirobifluorene-Based Polymer of Intrinsic Microporosity with Improved Performance for Gas Separation. <i>Advanced Materials</i> , 2012, 24, 5930-5933.	21.0	306
44	Gas transport properties of Pebax®/room temperature ionic liquid gel membranes. <i>Separation and Purification Technology</i> , 2012, 97, 73-82.	7.9	223
45	Integrated membrane operations in the ethylene oxide production. <i>Clean Technologies and Environmental Policy</i> , 2012, 14, 475-485.	4.1	10
46	Polymer of Intrinsic Microporosity Incorporating Thioamide Functionality: Preparation and Gas Transport Properties. <i>Macromolecules</i> , 2011, 44, 6471-6479.	4.8	233
47	Preparation of solvent stable polyphenylsulfone hollow fiber nanofiltration membranes. <i>Journal of Membrane Science</i> , 2011, 384, 89-96.	8.2	119
48	Multilayer composite SBS membranes for pervaporation and gas separation. <i>Separation and Purification Technology</i> , 2011, 80, 635-642.	7.9	16
49	Catalytic zeolite membrane reactors for the selective CO oxidation. <i>Desalination</i> , 2006, 200, 702-704.	8.2	6
50	Engineering Evaluations of a Catalytic Membrane Reactor for the Water Gas Shift Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 7676-7683.	3.7	53