Mar LÃ³pez GonzÃ¡lez

List of Publications by Year
in descending order

39 papers	1,012 citations	471509 17 h-index	434195 31 g-index
39 all docs	39 docs citations	39 times ranked	1192 citing authors

#	Article	IF	Citations
1	Effect of porous organic polymers in gas separation properties of polycarbonate based mixed matrix membranes. Journal of Membrane Science, 2021, 619, 118795.	8.2	24
2	Colored Surfaces Made of Synthetic Eumelanin. Nanomaterials, 2021, 11, 2320.	4.1	0
3	Mixed Matrix Membranes Containing a Biphenyl-Based Knitting Aryl Polymer and Gas Separation Performance. Membranes, 2021, 11, 914.	3.0	2
4	Graphene and Polyethylene: A Strong Combination Towards Multifunctional Nanocomposites. Polymers, 2020, 12, 2094.	4.5	17
5	Hybrid Biocomposites Based on Poly(Lactic Acid) and Silica Aerogel for Food Packaging Applications. Materials, 2020, 13, 4910.	2.9	25
6	Synthesis and Gas Permeability of Chemically Crossâ€Linked Polynorbornene Dicarboximides Bearing Fluorinated Moieties. Macromolecular Chemistry and Physics, 2019, 220, 1800481.	2.2	9
7	Efficient light harvesting within a C153@Zr-based MOF embedded in a polymeric film: spectral and dynamical characterization. Physical Chemistry Chemical Physics, 2017, 19, 17544-17552.	2.8	7
8	Synthesis and gas transport properties of new polynorbornene dicarboximides bearing trifluoromethyl isomer moieties. High Performance Polymers, 2016, 28, 1246-1262.	1.8	19
9	Gas Transport Properties of Hydrogenated and Fluorinated Polynorbornene Dicarboximides. Macromolecular Chemistry and Physics, 2013, 214, 2607-2615.	2.2	12
10	Ion-Exchange Membranes Based on Polynorbornenes with Fluorinated Imide Side Chain Groups. International Journal of Chemical Engineering, 2012, 2012, 1-11.	2.4	3
11	Influence of the Water Content on the Diffusion Coefficients of Li⁺ and Water across Naphthalenic Based Copolyimide Cation-Exchange Membranes. Journal of Physical Chemistry B, 2012, 116, 11754-11766.	2.6	10
12	Hybrid materials: Magnetiteâ€“Polyethylenimineâ€“Montmorillonite, as magnetic adsorbents for Cr(VI) water treatment. Journal of Colloid and Interface Science, 2012, 385, 24-33.	9.4	141
13	Electrochemical performance of membranes based on hydrogenated polynorbornenes functionalized with imide side groups containing sulfonated fluorinated moieties. Journal of Membrane Science, 2012, 403-404, 121-128.	8.2	11
14	Study of optimization of the synthesis and properties of biocomposite films based on grafted chitosan. Journal of Food Engineering, 2012, 109, 752-761.	5.2	39
15	Effects of Tricresylphosphate on Gas Transport Coefficients in Matrimid and 6FDA-TMPD Polyimides. Macromolecules, 2011, 44, 3862-3873.	4.8	12
16	Effect of zeolitic imidazolate frameworks on the gas transport performance of ZIF8-poly(1,4-phenylene) Tj ETQq0 0 0 rgBT /Overlock 10	8.2	108
17	Synthesis and ionic transport of sulfonated ring-opened polynorbornene based copolymers. Polymer, 2011, 52, 4208-4220.	3.8	26
18	Proton diffusion in polyelectrolytes based on hydrogenated polynorbornenes with imide side groups in the repeat unit as determined by NMR and impedance spectroscopies. Journal of Membrane Science, 2011, 380, 199-207.	8.2	7

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19	Gas transport in membranes based on polynorbornenes with fluorinated dicarboximide side moieties. Journal of Membrane Science, 2010, 361, 78-88.	8.2	33
20	Gas transport in fluorothiophenyl modified PVC membranes. Journal of Membrane Science, 2010, 362, 164-171.	8.2	31
21	Influence of local chain dynamics on diffusion of gases in polymers as determined by pulsed field gradient NMR. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 231-235.	2.1	3
22	CO₂Transport in Polysulfone Membranes Containing Zeolitic Imidazolate Frameworks As Determined by Permeation and PFG NMR Techniques. Macromolecules, 2010, 43, 316-325.	4.8	93
23	Impedance Spectroscopy and Performance of Cross-Linked New Naphthalenic Polyimide Acid Membranes. Journal of Physical Chemistry C, 2010, 114, 22773-22782.	3.1	8
24	Simulation and Experimental Studies on Proton Diffusion in Polyelectrolytes Based on Sulfonated Naphthalenic Copolyimides. Macromolecules, 2009, 42, 6572-6580.	4.8	30
25	The Development of Proton Conducting Polymer Membranes for Fuel Cells Using Sulfonated Carbon Nanofibres. Macromolecular Rapid Communications, 2008, 29, 234-238.	3.9	16
26	Simulations of gas transport in membranes based on polynorbornenes functionalized with substituted imide side groups. Journal of Membrane Science, 2008, 310, 474-483.	8.2	14
27	Molecular Basis of Carbon Dioxide Transport in Polycarbonate Membranes. Journal of Physical Chemistry B, 2008, 112, 4253-4260.	2.6	16
28	Permselectivity and Conductivity of Membranes Based on Sulfonated Naphthalenic Copolyimides. Journal of Physical Chemistry B, 2007, 111, 13694-13702.	2.6	24
29	Gas Transport and Ionic Transport in Membranes Based on Polynorbornenes with Functionalized Imide Side Groups. Macromolecules, 2007, 40, 563-570.	4.8	48
30	Gas sorption in semicrystalline rubbery polymers revisited. Journal of Applied Polymer Science, 2007, 105, 903-907.	2.6	5
31	Gas transport in surface grafted polypropylene films with poly(acrylic acid) chains. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 2421-2431.	2.1	16
32	Gas transport in surface-modified low-density polyethylene films with acrylic acid as a grafting agent. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 2828-2840.	2.1	12
33	Basic studies on gas solubility in natural rubber-cellulose composites. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 2131-2140.	2.1	11
34	Gas Sorption in New Fluorine Containing Polynorbornenes with Imide Side Chain Groups. Macromolecules, 2005, 38, 2696-2703.	4.8	35
35	Gas Transport in Polymers Prepared via Metathesis Copolymerization ofexo-N-Phenyl-7-oxanorbornene-5,6-dicarboximide and Norbornene. Macromolecules, 2003, 36, 8483-8488.	4.8	44
36	Synthesis and Gas Transport Properties of New High Glass Transition Temperature Ring-Opened Polynorbornenes. Macromolecules, 2002, 35, 4677-4684.	4.8	57

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37	Transport of helium in polycarbonate membranes. Polymer, 2002, 43, 409-413.	3.8	7
38	Experimental and Simulation Studies on the Transport of Argon in Polycarbonate Membranes. Macromolecules, 2001, 34, 4999-5004.	4.8	16
39	Experimental and simulation studies on the transport of gaseous diatomic molecules in polycarbonate membranes. Journal of Chemical Physics, 2001, 115, 6728-6736.	3.0	21