

# Eva Marand

## List of Publications by Year in descending order

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34  
papers

3,054  
citations

331538

21  
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377752

34  
g-index

34  
all docs

34  
docs citations

34  
times ranked

3290  
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature-Dependent Gas Transport Behavior in Cross-Linked Liquid Crystalline Polyacrylate Membranes. <i>Membranes</i> , 2019, 9, 104.	1.4	2
2	Novel zwitterion functionalized carbon nanotube nanocomposite membranes for improved RO performance and surface anti-biofouling resistance. <i>Journal of Membrane Science</i> , 2016, 509, 125-137.	4.1	101
3	A new method to predict the effective diffusion coefficient of gases and vapors in polyurethane/clay nanocomposite membranes. <i>Journal of Membrane Science</i> , 2016, 510, 201-208.	4.1	6
4	(Meth)acrylate liquid crystalline polymers for membrane applications. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	4
5	Thermodynamic Study of CO <sub>2</sub> Sorption by Polymorphic Microporous MOFs with Open Zn(II) Coordination Sites. <i>Inorganic Chemistry</i> , 2015, 54, 4328-4336.	1.9	26
6	Gas sorption properties of zwitterion-functionalized carbon nanotubes. <i>Journal of Membrane Science</i> , 2013, 429, 88-94.	4.1	20
7	Zwitterion Functionalized Carbon Nanotube/Polyamide Nanocomposite Membranes for Water Desalination. <i>ACS Nano</i> , 2013, 7, 5308-5319.	7.3	331
8	The role of solubility partition coefficient at the mixed matrix interface in the performance of mixed matrix membranes. <i>Journal of Membrane Science</i> , 2012, 415-416, 871-877.	4.1	15
9	Enantioselective separations using chiral supported liquid crystalline membranes. <i>Chirality</i> , 2012, 24, 519-525.	1.3	7
10	Fabrication and gas transport properties of SWNT/polyacrylic nanocomposite membranes. <i>Journal of Membrane Science</i> , 2011, 375, 150-156.	4.1	14
11	Gas barrier properties of nanocomposites based on in situ polymerized poly(n-butyl methacrylate) in the presence of surface modified montmorillonite. <i>Journal of Membrane Science</i> , 2010, 349, 251-257.	4.1	53
12	Gas transport properties of polyacrylate/clay nanocomposites prepared via emulsion polymerization. <i>Journal of Membrane Science</i> , 2010, 363, 48-56.	4.1	38
13	Transport properties in polyurethane/clay nanocomposites as barrier materials: Effect of processing conditions. <i>Journal of Membrane Science</i> , 2009, 337, 208-214.	4.1	141
14	The effect of temperature and humidity on the oxygen sorption in Diels-Alder polyphenylenes. <i>Polymer</i> , 2009, 50, 3220-3224.	1.8	4
15	Polymer/clay nanocomposites as VOC barrier materials and coatings. <i>Polymer</i> , 2009, 50, 5744-5748.	1.8	27
16	Determination of the effect of temperature and humidity on the O <sub>2</sub> sorption in sulfonated poly(arylene ether sulfone) membranes. <i>Journal of Membrane Science</i> , 2008, 309, 141-145.	4.1	13
17	Characterization of swollen [Al <sub>3</sub> P <sub>4</sub> O <sub>16</sub> ] <sup>3-</sup> ·3[NH <sub>3</sub> CH <sub>2</sub> CH <sub>3</sub> ] <sup>+</sup> in preparation for polymer-aluminophosphate nanocomposite fabrication. <i>Microporous and Mesoporous Materials</i> , 2008, 112, 77-87.	2.2	4
18	High permeability nano-composite membranes based on mesoporous MCM-41 nanoparticles in a polysulfone matrix. <i>Microporous and Mesoporous Materials</i> , 2008, 114, 129-136.	2.2	162

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19	Transport properties of aluminophosphate nanocomposite membranes prepared by in situ polymerization. <i>Journal of Membrane Science</i> , 2008, 316, 153-163.	4.1	8
20	Scalable Fabrication of Carbon Nanotube/Polymer Nanocomposite Membranes for High Flux Gas Transport. <i>Nano Letters</i> , 2007, 7, 2806-2811.	4.5	239
21	Polysulfone and functionalized carbon nanotube mixed matrix membranes for gas separation: Theory and experiment. <i>Journal of Membrane Science</i> , 2007, 294, 147-158.	4.1	346
22	Polysulfone and Mesoporous Molecular Sieve MCM-48 Mixed Matrix Membranes for Gas Separation. <i>Chemistry of Materials</i> , 2006, 18, 1149-1155.	3.2	150
23	Poly(imide siloxane) and carbon nanotube mixed matrix membranes for gas separation. <i>Desalination</i> , 2006, 192, 330-339.	4.0	304
24	Fabrication and characterization of polyimide-zeolite L mixed matrix membranes for gas separations. <i>Journal of Membrane Science</i> , 2006, 277, 195-202.	4.1	199
25	Molecular Chemistry Control of Hybrid Morphology and Transport Properties in Polyimide-Silica Membranes. <i>ACS Symposium Series</i> , 2004, , 234-252.	0.5	5
26	Fabrication of Polymer/Selective-Flake Nanocomposite Membranes and Their Use in Gas Separation. <i>Chemistry of Materials</i> , 2004, 16, 3838-3845.	3.2	152
27	Effects of Cooling Rate and Physical Aging on the Gas Transport Properties in Polycarbonate. <i>Macromolecules</i> , 2003, 36, 8673-8684.	2.2	51
28	Hybrid silica-polyimide composite membranes: gas transport properties. <i>Journal of Membrane Science</i> , 2002, 202, 97-118.	4.1	172
29	Hybrid inorganic-organic materials based on a 6FDA-6FpDA-DABA polyimide and silica: physical characterization studies. <i>Polymer</i> , 2002, 43, 2385-2400.	1.8	171
30	Preparation and characterization of a glassy fluorinated polyimide zeolite-mixed matrix membrane. <i>Desalination</i> , 2002, 146, 3-9.	4.0	110
31	Hybrid organic-inorganic membranes. <i>Separation and Purification Technology</i> , 2001, 25, 181-193.	3.9	60
32	Mixed gas transport study through polymeric membranes. <i>Journal of Membrane Science</i> , 1998, 141, 45-63.	4.1	75
33	Thermodynamics of Hydrogen Bonding in Solutions of Poly(vinylpyrrolidone) in Ethanol/CCl <sub>4</sub> Mixtures. <i>Macromolecules</i> , 1997, 30, 1449-1456.	2.2	4
34	Determination of Self-Association Equilibrium Constants of Ethanol by FTIR Spectroscopy. <i>The Journal of Physical Chemistry</i> , 1996, 100, 19268-19272.	2.9	40