

# Alberto Tena

## List of Publications by Year in descending order

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22  
papers

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citations

623188

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713013

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23  
docs citations

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times ranked

464  
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#	ARTICLE	IF	CITATIONS
1	Intensification of catalytic CO <sub>2</sub> methanation mediated by in-situ water removal through a high-temperature polymeric thin-film composite membrane. <i>Journal of CO<sub>2</sub> Utilization</i> , 2022, 55, 101813.	3.3	8
2	Novel Polymeric Thin-Film Composite Membranes for High-Temperature Gas Separations. <i>Membranes</i> , 2019, 9, 51.	1.4	15
3	Thermally rearranged polybenzoxazoles made from poly(ortho-hydroxyamide)s. Characterization and evaluation as gas separation membranes. <i>Reactive and Functional Polymers</i> , 2018, 127, 38-47.	2.0	29
4	Partially pyrolyzed gas-separation membranes made from blends of copolyetherimides and polyimides. <i>European Polymer Journal</i> , 2018, 103, 390-399.	2.6	11
5	Study of the Effect of Inorganic Particles on the Gas Transport Properties of Glassy Polyimides for Selective CO <sub>2</sub> and H <sub>2</sub> O Separation. <i>Membranes</i> , 2018, 8, 128.	1.4	15
6	Thermal rearrangement of <i>ortho</i> -allyloxypolyimide membranes and the effect of the degree of functionalization. <i>Polymer Chemistry</i> , 2018, 9, 3987-3999.	1.9	25
7	Gas Separation Properties of Polyimide Thin Films on Ceramic Supports for High Temperature Applications. <i>Membranes</i> , 2018, 8, 16.	1.4	28
8	Novel functionalized polyamides prone to undergo thermal Claisen rearrangement in the solid state. <i>Polymer Chemistry</i> , 2018, 9, 4007-4016.	1.9	14
9	Elimination of the Crystallinity of Long Polyethylene Oxide-Based Copolymers for Gas Separation Membranes by Using Electron Beam Irradiation. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600441.	1.1	3
10	Influence of the Composition and Imidization Route on the Chain Packing and Gas Separation Properties of Fluorinated Copolyimides. <i>Macromolecules</i> , 2017, 50, 5839-5849.	2.2	23
11	Claisen thermally rearranged (CTR) polymers. <i>Science Advances</i> , 2016, 2, e1501859.	4.7	33
12	The effect of humidity on the CO <sub>2</sub> /N <sub>2</sub> separation performance of copolymers based on hard polyimide segments and soft polyether chains: Experimental and modeling. <i>Green Energy and Environment</i> , 2016, 1, 201-210.	4.7	13
13	Sorption and transport of CO <sub>2</sub> in copolymers containing soft (PEO, PPO) and hard (BKDA-ODA and) Tj ETQq1 1 0.784314 rgBT /Overf Science, 2016, 520, 187-200.	4.1	6
14	Poly(etheramide) vs. poly(etherimide) copolymers for post-combustion membrane separation processes. <i>RSC Advances</i> , 2015, 5, 22310-22318.	1.7	32
15	Advances in the design of co-poly(ether-imide) membranes for CO <sub>2</sub> separations. Influence of aromatic rigidity on crystallinity, phase segregation and gas transport. <i>European Polymer Journal</i> , 2015, 62, 130-138.	2.6	24
16	Prediction of gas permeability of block-segregated polymeric membranes by an effective medium model. <i>Journal of Membrane Science</i> , 2014, 453, 27-35.	4.1	18
17	Helium Recovery by Membrane Gas Separation Using Poly( <i>ortho</i> -acyloxyamide)s. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 12809-12818.	1.8	18
18	On the influence of the proportion of PEO in thermally controlled phase segregation of copoly(ether-imide)s for gas separation. <i>Journal of Membrane Science</i> , 2013, 434, 26-34.	4.1	27

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19	Thermally Segregated Copolymers with PPO Blocks for Nitrogen Removal from Natural Gas. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 4312-4322.	1.8	16
20	Phase Segregation and Gas Separation Properties of Thermally Treated Copoly(ether-imide) from an Aromatic Dianhydride, an Aromatic Diamine, and Various Aliphatic Diamines. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 3766-3775.	1.8	15
21	Thermally treated copoly(ether-imide)s made from bpda and alifatic plus aromatic diamines. GAS separation properties with different aromatic diamimes. <i>Journal of Membrane Science</i> , 2012, 387-388, 54-65.	4.1	36
22	Physical properties of films made of copoly(ether-imide)s with long poly(ethylene oxide) segments. <i>European Polymer Journal</i> , 2010, 46, 2352-2364.	2.6	25