

# Angel E Lozano

## List of Publications by Year in descending order

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138  
papers

3,903  
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109264

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139  
all docs

139  
docs citations

139  
times ranked

2751  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning microcavities in thermally rearranged polymer membranes for CO <sub>2</sub> capture. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4365.	1.3	126
2	Gas separation properties of aromatic polyimides. <i>Journal of Membrane Science</i> , 2003, 215, 61-73.	4.1	108
3	Synthesis and characterization of novel polyimides with bulky pendant groups. <i>Journal of Polymer Science Part A</i> , 1999, 37, 805-814.	2.5	106
4	Structural Health Monitoring in Composite Structures by Fiber-Optic Sensors. <i>Sensors</i> , 2018, 18, 1094.	2.1	99
5	Synthesis, characterization, and water sorption properties of new aromatic polyamides containing benzimidazole and ethylene oxide moieties. <i>Journal of Polymer Science Part A</i> , 2005, 43, 112-121.	2.5	88
6	Design of gas separation membranes derived of rigid aromatic polyimides. 1. Polymers from diamines containing di-tert-butyl side groups. <i>Journal of Membrane Science</i> , 2010, 365, 145-153.	4.1	86
7	New liquid absorbents for the removal of CO <sub>2</sub> from gas mixtures. <i>Energy and Environmental Science</i> , 2009, 2, 883.	15.6	83
8	Thermally rearranged polybenzoxazoles membranes with biphenyl moieties: Monomer isomeric effect. <i>Journal of Membrane Science</i> , 2014, 450, 369-379.	4.1	80
9	Effect of substituents on the permeation properties of polyamide membranes. <i>Journal of Membrane Science</i> , 2006, 280, 659-665.	4.1	76
10	Preparation, characterization and antifouling property of polyethersulfone/PANI/PMA ultrafiltration membranes. <i>Desalination</i> , 2012, 299, 113-122.	4.0	75
11	Soluble, microporous, Tröger's Base copolyimides with tunable membrane performance for gas separation. <i>Chemical Communications</i> , 2016, 52, 3817-3820.	2.2	75
12	Sulfonated poly(ether ether sulfones). <i>Journal of Membrane Science</i> , 2000, 175, 43-52.	4.1	73
13	Synthesis and characterization of new soluble aromatic polyamides derived from 1,4-Bis(4-carboxyphenoxy)-2, 5-di-tert-butylbenzene. <i>Journal of Polymer Science Part A</i> , 2001, 39, 475-485.	2.5	72
14	Formation of thermally rearranged (TR) polybenzoxazoles: Effect of synthesis routes and polymer form. <i>European Polymer Journal</i> , 2012, 48, 1313-1322.	2.6	71
15	Gas separation of 6FDA/6FpDA membranes Effect of the solvent on polymer surfaces and permselectivity. <i>Journal of Membrane Science</i> , 2007, 293, 22-28.	4.1	68
16	Gas separation properties of aromatic polyamides containing hexafluoroisopropylidene groups. <i>Journal of Membrane Science</i> , 1995, 104, 231-241.	4.1	66
17	Synthesis and characterization of new soluble aromatic polyamides based on 4-(1-adamantyl)-1, 3-bis(4-aminophenoxy)benzene. <i>Journal of Polymer Science Part A</i> , 2000, 38, 1014-1023.	2.5	66
18	Effect of polymer structure on gas transport properties of selected aromatic polyimides, polyamides and TR polymers. <i>Journal of Membrane Science</i> , 2015, 493, 766-781.	4.1	63

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19	Synthesis and characterization of aromatic polyamides containing alkylphthalimido pendent groups. <i>Journal of Polymer Science Part A</i> , 2002, 40, 3711-3724.	2.5	61
20	Synthesis, Characterization, and Gas Separation Properties of Novel Copolyimides Containing Adamantyl Ester Pendant Groups. <i>Macromolecules</i> , 2011, 44, 2780-2790.	2.2	58
21	Thermal treatment of poly(ethylene oxide)-segmented copolyimide based membranes: An effective way to improve the gas separation properties. <i>Journal of Membrane Science</i> , 2008, 323, 53-59.	4.1	54
22	Gas separation properties of aromatic polyamides with sulfone groups. <i>Polymer</i> , 1995, 36, 793-800.	1.8	53
23	Effect of fractional free volume and $T_g$ on gas separation through membranes made with different glassy polymers. <i>Journal of Applied Polymer Science</i> , 2008, 107, 1039-1046.	1.3	50
24	Novel Aromatic Polyimides Derived from 5- <i>t</i> -Butyl-2-pivaloylimino-3,4,3',4'-terphenyltetracarboxylic Dianhydride with Potential Application on Gas Separation Processes. <i>Macromolecules</i> , 2010, 43, 2268-2275.	2.2	50
25	Chemical modification of copolyimides with bulky pendent groups: Effect of modification on solubility and thermal stability. <i>Polymer Degradation and Stability</i> , 2007, 92, 2294-2299.	2.7	48
26	Local chain mobility dependence on molecular structure in polyimides with bulky side groups: Correlation with gas separation properties. <i>Journal of Membrane Science</i> , 2013, 434, 121-129.	4.1	46
27	Polyisophthalamides with heteroaromatic pendent rings: Synthesis, physical properties, and water uptake. <i>Journal of Polymer Science Part A</i> , 2005, 43, 5300-5311.	2.5	45
28	Experimental and Theoretical Study of an Improved Activated Polycondensation Method for Aromatic Polyimides. <i>Macromolecules</i> , 2007, 40, 8225-8232.	2.2	45
29	Synthesis and properties of new aromatic polyisophthalamides with adamantylamide pendent groups. <i>Journal of Polymer Science Part A</i> , 2010, 48, 1743-1751.	2.5	45
30	Mixed matrix membranes of 6FDA-6FpDA with surface functionalized $\gamma$ -alumina particles. An analysis of the improvement of permselectivity for several gas pairs. <i>Chemical Engineering Science</i> , 2010, 65, 2227-2235.	1.9	43
31	Soluble Polyamides and Polyimides Functionalized with Benzo-15-Crown-5-Pendant Groups. <i>Macromolecular Rapid Communications</i> , 2004, 25, 592-597.	2.0	42
32	Gas separation properties of pendent phenyl substituted aromatic polyamides containing sulfone and hexafluoroisopropylidene groups. <i>Polymer</i> , 1999, 40, 5715-5722.	1.8	41
33	Microporous Polymer Networks for Carbon Capture Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 26195-26205.	4.0	41
34	Sulfonated polynaphthalimides with benzimidazole pendant groups. <i>Polymer</i> , 2008, 49, 3875-3883.	1.8	40
35	Synthesis of Aromatic Polyisophthalamides by in Situ Silylation of Aromatic Diamines. <i>Macromolecules</i> , 1997, 30, 2507-2508.	2.2	37
36	Designing aromatic polyamides and polyimides for gas separation membranes. <i>Macromolecular Symposia</i> , 2003, 199, 293-306.	0.4	36

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37	Thermally treated copoly(ether-imide)s made from bpda and alifatic plus aromatic diamines. GAS separation properties with different aromatic diamines. <i>Journal of Membrane Science</i> , 2012, 387-388, 54-65.	4.1	36
38	New aromatic polyamides and polyimides having an adamantane bulky group. <i>Materials Today Communications</i> , 2015, 5, 23-31.	0.9	36
39	Thermally Rearranged Polybenzoxazoles Containing Bulky Adamantyl Groups from Ortho-Substituted Precursor Copolyimides. <i>Macromolecules</i> , 2018, 51, 1605-1619.	2.2	36
40	Theoretical Study of the Synthesis of Aromatic Polyethers by the Nucleophilic Aromatic Substitution between Fluoro Aromatic Compounds and Phenoxides. <i>Macromolecules</i> , 1994, 27, 7164-7170.	2.2	35
41	Thermally stable polymers: Novel aromatic polyamides. <i>Advanced Materials</i> , 1995, 7, 148-151.	11.1	35
42	Thermally rearranged polybenzoxazoles and poly(benzoxazole-co-imide)s from ortho-hydroxyamine monomers for high performance gas separation membranes. <i>Journal of Membrane Science</i> , 2015, 493, 329-339.	4.1	35
43	Solvatochromic and rigidochromic fluorescent probes based on Dâ€“A diaryl ethylene and butadiene derivatives for UV-curing monitoring. <i>Polymer</i> , 2001, 42, 2815-2825.	1.8	34
44	Partially pyrolyzed membranes (PPMs) derived from copolyimides having carboxylic acid groups. Preparation and gas transport properties. <i>Journal of Membrane Science</i> , 2010, 349, 385-392.	4.1	34
45	Novel efficient catalysts based on imine-linked mesoporous polymers for hydrogenation and cyclopropanation reactions. <i>Journal of Materials Chemistry</i> , 2012, 22, 24637.	6.7	34
46	Aromatic polyamides with benzothiazole pendent groups: synthesis, nuclear magnetic resonance structural study and evaluation of properties. <i>Polymer</i> , 1994, 35, 872-877.	1.8	33
47	An Improved Method for Preparing Very High Molecular Weight Polyimides. <i>Macromolecules</i> , 2009, 42, 5892-5894.	2.2	33
48	Investigation of the chemical and morphological structure of thermally rearranged polymers. <i>Polymer</i> , 2014, 55, 6649-6657.	1.8	32
49	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
50	Synthesis and properties of aromatic polyamides with oligobenzamide pendent groups. I. Poly-5-(4-benzoylamino-1-benzoylamino)isophthalamides. <i>Journal of Polymer Science Part A</i> , 1995, 33, 1987-1994.	2.5	28
51	Synthesis, characterization, and properties of new sequenced poly(ether amide)s based on 2-(4-aminophenyl)-5-aminobenzimidazole and 2-(3-aminophenyl)-5-aminobenzimidazole. <i>Journal of Polymer Science Part A</i> , 2006, 44, 1414-1423.	2.5	27
52	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
53	Gas separation properties of aromatic polyimides with bulky groups. Comparison of experimental and simulated results. <i>Journal of Membrane Science</i> , 2020, 602, 117959.	4.1	26
54	Polyisophthalamides with phenylthio pendent groups. <i>Journal of Polymer Science Part A</i> , 1992, 30, 1327-1333.	2.5	25

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55	Synthesis and characterization of new soluble polyamides derived from 2,6-bis(4-aminophenyl)-3,5-dimethyltetrahydro-4H-pyran-4-one. <i>Journal of Polymer Science Part A</i> , 2001, 39, 1825-1832.	2.5	25
56	Synthesis and characterization of new aromatic polyamides bearing crown ethers or their dipodal counterparts in the pendant structure. II. Benzo-15-crown-5 and ortho-bis[2-(2-ethoxyethoxy)ethoxy]benzene. <i>Journal of Polymer Science Part A</i> , 2006, 44, 4063-4075.	2.5	25
57	Thin-film polyimide/indium tin oxide composites for photovoltaic applications. <i>Journal of Applied Polymer Science</i> , 2007, 103, 3491-3497.	1.3	25
58	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
59	High-productivity gas separation membranes derived from pyromellitic dianhydride and nonlinear diamines. <i>Journal of Membrane Science</i> , 2016, 501, 191-198.	4.1	25
60	Synthesis and Properties of Novel Polyimides Bearing Sulfonated Benzimidazole Pendant Groups. <i>Macromolecular Rapid Communications</i> , 2007, 28, 616-622.	2.0	24
61	Synthesis and evaluation of properties of novel poly(benzimidazole- $\epsilon$ -amide)s. <i>Journal of Polymer Science Part A</i> , 2008, 46, 7566-7577.	2.5	24
62	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
63	Electrochemical parameters of sulfonated poly(ether ether sulfone) membranes in HCl solutions determined by impedance spectroscopy and membrane potential measurements. <i>Solid State Ionics</i> , 2001, 145, 53-60.	1.3	23
64	Preparation and gas separation properties of partially pyrolyzed membranes (PPMs) derived from copolyimides containing polyethylene oxide side chains. <i>Journal of Membrane Science</i> , 2012, 409-410, 200-211.	4.1	23
65	Porous Organic Polymers Containing Active Metal Centers for Suzuki-Miyaura Heterocoupling Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 56974-56986.	4.0	23
66	Thermal effect on polyethyleneoxide-containing copolyimide membranes for CO <sub>2</sub> /N <sub>2</sub> separation. <i>Desalination</i> , 2006, 199, 188-190.	4.0	22
67	Fluorenyl cardo copolyimides containing poly(ethylene oxide) segments: Synthesis, characterization, and evaluation of properties. <i>Journal of Polymer Science Part A</i> , 2008, 46, 8170-8178.	2.5	22
68	Gas separation properties of systems with different amounts of long poly(ethylene oxide) segments for mixtures including carbon dioxide. <i>International Journal of Greenhouse Gas Control</i> , 2013, 12, 146-154.	2.3	22
69	Sorption, diffusion, and permeability of humid gases and aging of thermally rearranged (TR) polymer membranes from a novel ortho-hydroxypolyimide. <i>Journal of Membrane Science</i> , 2017, 542, 439-455.	4.1	22
70	New Materials for Gas Separation Applications: Mixed Matrix Membranes Made from Linear Polyimides and Porous Polymer Networks Having Lactam Groups. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 9585-9595.	1.8	22
71	Aromatic polyamides with pendent heterocycles: 2. Benzoxazole groups. <i>Polymer</i> , 1994, 35, 1317-1321.	1.8	21
72	Gas separation membranes made through thermal rearrangement of ortho-methoxypolyimides. <i>RSC Advances</i> , 2015, 5, 102261-102276.	1.7	21

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73	Hydrophilic porous asymmetric ultrafiltration membranes of aramid-g-PEO copolymers. <i>Journal of Membrane Science</i> , 2014, 454, 233-242.	4.1	20
74	Effect of pendent oxyethylene moieties on the properties of aromatic polyisophthalamides. <i>Journal of Polymer Science Part A</i> , 2007, 45, 4671-4683.	2.5	19
75	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
76	Helium Recovery by Membrane Gas Separation Using Poly( <i>o</i> -acyloxyamide)s. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 12809-12818.	1.8	18
77	Novel Cobalt (II) Phthalocyanine-Containing Polyimides: Synthesis, Characterization, Thermal and Optical Properties. <i>Macromolecular Rapid Communications</i> , 2006, 27, 1852-1858.	2.0	17
78	Reactivity of the 4- <i>Amino</i> -5- <i>H</i> -1,2- <i>Oxathiole</i> -2,2- <i>Dioxide</i> Heterocyclic System: A Combined Experimental and Theoretical Study. <i>Chemistry - A European Journal</i> , 2008, 14, 9620-9632.	1.7	17
79	Liquid-liquid displacement porosimetry applied to several MF and UF membranes. <i>Desalination</i> , 2013, 327, 14-23.	4.0	17
80	Gas separation properties of new poly(aryl ether ketone)s with pendant groups. <i>Journal of Membrane Science</i> , 2002, 205, 73-81.	4.1	16
81	Functionalization of $\gamma$ -alumina cores by polyvinylpyrrolidone: properties of the resulting biocompatible nanoparticles in aqueous suspension. <i>Journal of Nanoparticle Research</i> , 2009, 11, 341-354.	0.8	16
82	Influence of the PEO length in gas separation properties of segregating aromatic-aliphatic copoly(ether-imide)s. <i>Chemical Engineering Science</i> , 2013, 104, 574-585.	1.9	16
83	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
84	Enhancement of CO <sub>2</sub> /CH <sub>4</sub> permselectivity via thermal rearrangement of mixed matrix membranes made from an <i>o</i> -hydroxy polyamide with an optimal load of a porous polymer network. <i>Separation and Purification Technology</i> , 2020, 247, 116895.	3.9	16
85	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
86	Quantum semiempirical study on the reactivity of silylated diamines in the synthesis of aromatic polyamides. <i>Macromolecular Theory and Simulations</i> , 1998, 7, 41-48.	0.6	14
87	Novel aromatic polyamides with 1,3-benzoxazole groups in the main chain. 1. Polymers derived from 2-(4-carboxyphenyl) benzoxazole-5- and 6-carboxylic acids. Synthesis and characterization. <i>Polymer</i> , 2001, 42, 7933-7941.	1.8	14
88	Soluble Polyimides from a New Dianhydride: 5- <i>tert</i> -Butyl- <i>m</i> -terphenyl-3,4,3',4'-tetracarboxylic Acid Dianhydride. <i>Macromolecular Rapid Communications</i> , 2003, 24, 686-691.	2.0	14
89	Microwave-Induced Synthesis of Aromatic Polyamides by the Phosphorylation Reaction. <i>Australian Journal of Chemistry</i> , 2009, 62, 250.	0.5	14
90	Highly Permeable Mixed Matrix Membranes of Thermally Rearranged Polymers and Porous Polymer Networks for Gas Separations. <i>ACS Applied Polymer Materials</i> , 2021, 3, 5224-5235.	2.0	14

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91	Aromatic polyamides and polyimides derived from 3,3'-diaminobiphenyl: Synthesis, characterization, and molecular simulation study. <i>Journal of Polymer Science Part A</i> , 1999, 37, 4646-4655.	2.5	13
92	Sulfonation of vulcanized ethylene- <i>propylene</i> -diene terpolymer membranes. <i>Acta Materialia</i> , 2008, 56, 4780-4788.	3.8	13
93	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
94	Polyisophthalamides with pendant phenyl groups. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1990, 11, 471-476.	1.1	12
95	Polyisophthalamides with phenylsulfonyl pendent groups. <i>Journal of Polymer Science Part A</i> , 1993, 31, 1383-1392.	2.5	11
96	Polyimides from 3,4,4'-m-terphenyltetracarboxylic dianhydride. Synthesis and characterization. <i>Macromolecular Rapid Communications</i> , 1994, 15, 417-424.	2.0	11
97	Synthesis, NMR studies and theoretical calculations of novel 3-spiro-branched ribofuranoses. <i>Tetrahedron</i> , 1999, 55, 12187-12200.	1.0	11
98	Water vapor sorption and diffusion in sulfonated aromatic polyamides. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 2007-2014.	2.4	11
99	Determination of Gas Transport Coefficients of Mixed Gases in 6FDA-TMPDA Polyimide by NMR Spectroscopy. <i>Macromolecules</i> , 2017, 50, 3590-3597.	2.2	11
100	Partially pyrolyzed gas-separation membranes made from blends of copolyetherimides and polyimides. <i>European Polymer Journal</i> , 2018, 103, 390-399.	2.6	11
101	Mixed Matrix Membranes Loaded with a Porous Organic Polymer Having Bipyridine Moieties. <i>Membranes</i> , 2022, 12, 547.	1.4	11
102	Polyisophthalamides with benzoyl pendent groups: Synthesis, characterization, and evaluation of properties. <i>Journal of Polymer Science Part A</i> , 1993, 31, 1203-1210.	2.5	10
103	Linear polyisophthalamides from the trifunctional monomer 5-hydroxyisophthalic acid. A convenient approach towards functionalized aromatic polymers. <i>European Polymer Journal</i> , 2011, 47, 1054-1064.	2.6	10
104	Thermal degradation of crosslinked copolyimide membranes to obtain productive gas separation membranes. <i>Polymer Degradation and Stability</i> , 2013, 98, 743-750.	2.7	10
105	Aromatic poly(ether ether ketone)s capable of crosslinking <i>via</i> UV irradiation to improve gas separation performance. <i>RSC Advances</i> , 2017, 7, 55371-55381.	1.7	10
106	Gas Separation by Mixed Matrix Membranes with Porous Organic Polymer Inclusions within o-Hydroxypolyamides Containing m-Terphenyl Moieties. <i>Polymers</i> , 2021, 13, 931.	2.0	10
107	Permeability and selectivity of 6FDA-6FpDA gas membranes prepared from different solvents. <i>Desalination</i> , 2006, 200, 225-226.	4.0	9
108	Gas Transport Coefficients of Phthalide-Containing High-Tg Glassy Polymers Determined by Gas-Flux and NMR Measurements. <i>Macromolecules</i> , 2015, 48, 2585-2592.	2.2	8

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109	Quantum semiempirical studies on the formation of aromatic polyamides, 1. Effect of structural parameters of diamines on the polyamidation reaction. <i>Die Makromolekulare Chemie Theory and Simulations</i> , 1993, 2, 815-827.	1.0	7
110	Polyisophthalamides with pendent heterocyclic groups: 3. Pyridine pendent groups. <i>Polymer</i> , 1995, 36, 1113-1116.	1.8	7
111	Unprecedented Lability of the 5'-O-tert-Butyldimethylsilyl Group from 3'-Spiro-5'-Acetyl-(4'-Acetyl-acylamino-1'-Acetyl, 2'-Acetyl-oxathiole-2'-Acetyl, 2'-Acetyl-dioxide) Nucleoside Derivatives via Neighboring Participation of the 4'-Acetyl-Acylamino Residue. <i>Journal of Organic Chemistry</i> , 2006, 71, 1407-1415.		
112	Monomer Reactivity and Steric Factors affecting the Synthesis of Aromatic Polyamides. <i>High Performance Polymers</i> , 2007, 19, 592-602.	0.8	7
113	Synthesis and characterization of halogen-containing poly(ether ketone ketone)s. <i>Journal of Polymer Science Part A</i> , 2002, 40, 2601-2608.	2.5	6
114	Synthesis and properties evaluation of novel halogenated polyimides designed to prepare functional polymers. <i>Polymer</i> , 2005, 46, 11247-11254.	1.8	6
115	Hydrophilic polyisophthalamides containing poly(ethylene oxide) side chains: Synthesis, characterization, and physical properties. <i>Journal of Polymer Science Part A</i> , 2013, 51, 963-976.	2.5	6
116	Sorption and transport of CO <sub>2</sub> in copolymers containing soft (PEO, PPO) and hard (BKDA-ODA and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Science, 2016, 520, 187-200.	4.1	6
117	Insight into ETS-10 synthesis for the preparation of mixed matrix membranes for CO <sub>2</sub> /CH <sub>4</sub> gas separation. <i>RSC Advances</i> , 2015, 5, 102392-102398.	1.7	5
118	Aromatic polyimides and copolyimides containing bulky t-butyltriphenylmethane units. <i>Polymer Bulletin</i> , 2020, 77, 5103-5125.	1.7	5
119	Gas Permeability, Fractional Free Volume and Molecular Kinetic Diameters: The Effect of Thermal Rearrangement on ortho-hydroxy Polyamide Membranes Loaded with a Porous Polymer Network. <i>Membranes</i> , 2022, 12, 200.	1.4	5
120	Novel polyimides withp-nitrophenyl pendant groups. Synthesis and characterization. <i>Journal of Polymer Science Part A</i> , 1999, 37, 3377-3384.	2.5	4
121	Hydrogen Recovery by Mixed Matrix Membranes Made from 6FCl-APAF HPA with Different Contents of a Porous Polymer Network and Their Thermal Rearrangement. <i>Polymers</i> , 2021, 13, 4343.	2.0	4
122	Gas separation membranes obtained by partial pyrolysis of polyimides exhibiting polyethylene oxide moieties. <i>Polymer</i> , 2022, 247, 124789.	1.8	4
123	Synthesis and polycondensation of novel nitro-aromatic monomers: 4,4'-diamino-3-nitrobenzanilide. <i>Journal of Polymer Science Part A</i> , 1995, 33, 873-877.	2.5	3
124	Quantum semiempirical study of the reactivity of monomers in the synthesis of aromatic polyamides and polyimides. <i>Macromolecular Symposia</i> , 1997, 122, 197-202.	0.4	3
125	Synthesis and Polycondensation of Novel Nitroaromatic Monomers. 2. Wholly Ordered Polymers ofN,N'-Bis(4-amino- 3-nitrophenyl)terephthalamide andN,N'-Bis[4-((4-amino-3-nitrophenyl)-) Tj ETQq1 1 0.784314 rgBT /Overlock 1		
126	A theoretical study of the addition of silyl radicals to olefinic monomers. <i>Macromolecular Theory and Simulations</i> , 1999, 8, 93-101.	0.6	3



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127	Synthesis, characterization, and evaluation of novel polyhydantoins as gas separation membranes. <i>Journal of Polymer Science Part A</i> , 2013, 51, 4052-4060.	2.5	3
128	Synthesis and properties of highly processable asymmetric polyimides with bulky phenoxy groups. <i>High Performance Polymers</i> , 2020, 32, 455-468.	0.8	3
129	Pyrrolidine-based catalytic microporous polymers in sustainable C N and C C bond formation via iminium and enamine activation. <i>Materials Today Chemistry</i> , 2022, 24, 100966.	1.7	3

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