

Corinne Chappey

List of Publications by Year in descending order

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28
papers

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citations

516215

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26
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29
all docs

29
docs citations

29
times ranked

1505
citing authors

#	ARTICLE	IF	CITATIONS
1	Water sorption behavior and gas barrier properties of cellulose whiskers and microfibrils films. Carbohydrate Polymers, 2011, 83, 1740-1748.	5.1	334
2	Water vapor sorption in naphthalenic sulfonated polyimide membranes. Journal of Membrane Science, 2001, 190, 227-241.	4.1	101
3	Polyepichlorhydrin Membranes for Alkaline Fuel Cells: Sorption and Conduction Properties. Journal of Physical Chemistry B, 2008, 112, 12338-12346.	1.2	61
4	Structure and Barrier Properties of Biodegradable Polyhydroxyalkanoate Films. Journal of Physical Chemistry C, 2014, 118, 6165-6177.	1.5	46
5	Kinetics of water vapor sorption in sulfonated polyimide membranes. Desalination, 2002, 148, 333-339.	4.0	45
6	Effect of cold plasma treatment on surface properties and gas permeability of polyimide films. RSC Advances, 2014, 4, 31036-31046.	1.7	44
7	Supported ionic liquid membranes for water and volatile organic compounds separation: Sorption and permeation properties. Journal of Membrane Science, 2014, 458, 164-178.	4.1	40
8	Composite membranes based on Nafion [®] and plasma treated clay charges: Elaboration and water sorption investigations. Journal of Membrane Science, 2011, 369, 155-166.	4.1	37
9	Polyimide/ionic liquid composite membranes for fuel cells operating at high temperatures. Electrochimica Acta, 2014, 130, 830-840.	2.6	36
10	High-Temperature Ionic-Conducting Material: Advanced Structure and Improved Performance. Journal of Physical Chemistry C, 2013, 117, 15552-15561.	1.5	33
11	Improvement of barrier properties of bio-based polyester nanocomposite membranes by water-assisted extrusion. Journal of Membrane Science, 2015, 496, 185-198.	4.1	29
12	Tunable gas barrier properties of filled-PCL film by forming percolating cellulose network. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 545, 26-30.	2.3	22
13	Application of supported liquid membranes containing methyl cholate in cyclohexane for the carrier-mediated transport of sugars. Desalination, 2006, 189, 31-42.	4.0	20
14	Permeation Properties of Poly(<i>m</i> -xylene adipamide) Membranes. Journal of Physical Chemistry B, 2009, 113, 3445-3452.	1.2	20
15	The behaviour of wine aroma compounds related to structure and barrier properties of virgin, recycled and active PET membranes. Journal of Membrane Science, 2014, 463, 215-225.	4.1	19
16	Water sorption properties of room-temperature ionic liquids over the whole range of water activity and molecular states of water in these media. RSC Advances, 2015, 5, 76927-76938.	1.7	18
17	Polyamide 12-polytetramethyleneoxide block copolymer membranes with silver nanoparticles – Synthesis and water permeation properties. Reactive and Functional Polymers, 2007, 67, 893-904.	2.0	16
18	Effect of the polar/nonpolar liquid mixtures on pervaporative behavior of perfluorinated sulfonic membranes in lithium form. Journal of Membrane Science, 2016, 518, 313-327.	4.1	15

#	ARTICLE	IF	CITATIONS
19	Layered Poly(ethylene-co-vinyl acetate)/Poly(ethylene-co-vinyl alcohol) Membranes with Enhanced Water Separation Selectivity and Performance. ACS Applied Materials & Interfaces, 2017, 9, 6411-6423.	4.0	15
20	Effect of cold plasma surface treatment on the properties of supported ionic liquid membranes. Separation and Purification Technology, 2017, 187, 127-136.	3.9	12
21	Ab initio study of cationic polymeric membranes in water and methanol. Ionics, 2016, 22, 357-367.	1.2	11
22	Impact of water and thermal induced crystallizations in a PC/MXD6 multilayer film on barrier properties. European Polymer Journal, 2019, 111, 152-160.	2.6	10
23	Biopolymer/clay nanocomposites as the high barrier packaging material: recent advances. , 2017, , 425-463.		8
24	Novel Ionic Conducting Composite Membrane Based on Polymerizable Ionic Liquids. Polymers, 2021, 13, 3704.	2.0	7
25	The Impact of Reactive Ionic Liquids Addition on the Physicochemical and Sorption Properties of Poly(Vinyl Alcohol)-Based Films. Polymers, 2020, 12, 1958.	2.0	5
26	New Polyimide Based Composite Films for Fuel Cells: Study of the Porous Structure. Advanced Materials Research, 0, 747, 477-480.	0.3	3
27	Sulfonic Membrane Sorption and Permeation Properties: Complementary Approaches to Select a Membrane for Pervaporation. Journal of Physical Chemistry B, 2017, 121, 8523-8538.	1.2	3
28	High barrier semi-crystalline polyesters involving nature occurring pyridine structure towards sustainable food packaging. Polymer, 2022, 247, 124790.	1.8	2