

## List of Publications by Year in descending order

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53  
papers

2,220  
citations

218381

26  
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214527

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54  
docs citations

54  
times ranked

2000  
citing authors

#	ARTICLE	IF	CITATIONS
1	Steps of membrane blocking in flux decline during protein microfiltration. <i>Journal of Membrane Science</i> , 1995, 101, 153-165.	4.1	365
2	Pore size distributions in microporous membranes. A critical analysis of the bubble point extended method. <i>Journal of Membrane Science</i> , 1996, 112, 1-12.	4.1	201
3	Three independent ways to obtain information on pore size distributions of nanofiltration membranes. <i>Journal of Membrane Science</i> , 2008, 309, 17-27.	4.1	114
4	Contact angles and external protein adsorption onto UF membranes. <i>Journal of Membrane Science</i> , 1999, 152, 189-201.	4.1	104
5	Porosity measurements by a gas penetration method and other techniques applied to membrane characterization. <i>Thin Solid Films</i> , 1999, 348, 22-29.	0.8	91
6	Comparison of liquid–liquid displacement porosimetry and scanning electron microscopy image analysis to characterise ultrafiltration track-etched membranes. <i>Journal of Membrane Science</i> , 2004, 239, 189-197.	4.1	89
7	Removal of dyes by a new nano–TiO <sub>2</sub> ultrafiltration membrane deposited on low-cost support prepared from natural Moroccan bentonite. <i>Applied Clay Science</i> , 2017, 149, 127-135.	2.6	85
8	Pore Size Distributions in Microporous Membranes II. Bulk Characterization of Track-Etched Filters by Air Porometry and Mercury Porosimetry. <i>Journal of Colloid and Interface Science</i> , 1995, 176, 467-478.	5.0	84
9	Flux Decline in Protein Microfiltration: Influence of Operative Parameters. <i>Journal of Colloid and Interface Science</i> , 1997, 187, 344-351.	5.0	67
10	Development of a new TiO <sub>2</sub> ultrafiltration membrane on flat ceramic support made from natural bentonite and micronized phosphate and applied for dye removal. <i>Ceramics International</i> , 2017, 43, 1479-1487.	2.3	65
11	Protein fouling in microfiltration: deposition mechanism as a function of pressure for different pH. <i>Journal of Colloid and Interface Science</i> , 2003, 266, 148-152.	5.0	58
12	Electroviscous effects, streaming potential, and zeta potential in polycarbonate track-etched membranes. <i>Journal of Membrane Science</i> , 2000, 178, 79-92.	4.1	57
13	Surface structure of microporous membranes by computerized SEM image analysis applied to Anopore filters. <i>Journal of Membrane Science</i> , 1997, 137, 89-97.	4.1	53
14	Pore size distribution of ceramic UF membranes by liquid–liquid displacement porosimetry. <i>Journal of Membrane Science</i> , 2008, 310, 531-538.	4.1	50
15	Fabrication and characterization of polyethersulfone nanocomposite membranes for the removal of endocrine disrupting micropollutants from wastewater. Mechanisms and performance. <i>Journal of Membrane Science</i> , 2015, 493, 66-79.	4.1	47
16	Protein Adsorption and Deposition onto Microfiltration Membranes: The Role of Solute–Solid Interactions. <i>Journal of Colloid and Interface Science</i> , 2000, 221, 254-261.	5.0	44
17	Liquid–liquid displacement porometry to estimate the molecular weight cut-off of ultrafiltration membranes. <i>Desalination</i> , 2011, 268, 174-181.	4.0	44
18	Mechanisms of protein fouling in cross-flow UF through an asymmetric inorganic membrane. <i>Journal of Membrane Science</i> , 1996, 114, 115-126.	4.1	42

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19	Structural characterization of an UF membrane by gas adsorption-desorption and AFM measurements. <i>Journal of Membrane Science</i> , 1996, 117, 291-302.	4.1	41
20	Ceramic membranes from Moroccan natural clay and phosphate for industrial water treatment. <i>Desalination</i> , 2009, 245, 501-507.	4.0	41
21	Pore Size Distributions in Microporous Membranes. <i>Journal of Colloid and Interface Science</i> , 1995, 175, 138-150.	5.0	40
22	Characterisation of polymeric UF membranes by liquid-liquid displacement porosimetry. <i>Journal of Membrane Science</i> , 2010, 348, 238-244.	4.1	39
23	Porosimetric membrane characterization techniques: A review. <i>Journal of Membrane Science</i> , 2021, 619, 118750.	4.1	36
24	Charge Adsorption and Zeta Potential in Cyclopore Membranes. <i>Journal of Colloid and Interface Science</i> , 1996, 181, 399-412.	5.0	35
25	Bulk and surface characterization of composite UF membranes Atomic force microscopy, gas adsorption-desorption and liquid displacement techniques. <i>Journal of Membrane Science</i> , 1997, 128, 7-21.	4.1	31
26	Charge and dielectric characterization of nanofiltration membranes by impedance spectroscopy. <i>Journal of Membrane Science</i> , 2014, 454, 163-173.	4.1	29
27	Liquid-liquid displacement porosimetry for the characterization of virus retentive membranes. <i>Journal of Membrane Science</i> , 2011, 372, 366-372.	4.1	27
28	Liquid-liquid porometry for an accurate membrane characterization. <i>Desalination</i> , 2006, 200, 195-197.	4.0	24
29	Dynamic crossflow ultrafiltration of colloids: a deposition probability cake filtration approach. <i>Separation and Purification Technology</i> , 2001, 24, 297-308.	3.9	21
30	Properties of polyethersulfone ultrafiltration membranes modified with polyethylene glycols. <i>Polymer Engineering and Science</i> , 2014, 54, 1211-1221.	1.5	21
31	Analysis of the Grafting Process of PVP on a Silicon Surface by AFM and Contact Angle. <i>Langmuir</i> , 2011, 27, 11636-11649.	1.6	19
32	Membrane characterization via evaporimetry (EP) and liquid-liquid displacement porosimetry (LLDP) techniques. <i>Journal of Membrane Science</i> , 2019, 586, 248-258.	4.1	19
33	Surface charges and zeta potentials on polyethersulphone heteroporous membranes. <i>Journal of Membrane Science</i> , 1997, 137, 109-119.	4.1	18
34	Liquid-liquid displacement porosimetry applied to several MF and UF membranes. <i>Desalination</i> , 2013, 327, 14-23.	4.0	17
35	Fitting approach to liquid-liquid displacement porosimetry based on the log-normal pore size distribution. <i>Journal of Membrane Science</i> , 2014, 470, 219-228.	4.1	15
36	Comparison of pore size distributions from dextran retention tests and liquid-liquid displacement porosimetry. <i>Microporous and Mesoporous Materials</i> , 2017, 250, 170-176.	2.2	13

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37	Analysis of cleaning protocols in ceramic membranes by liquid displacement porosimetry. <i>Desalination</i> , 2009, 245, 541-545.	4.0	12
38	Porosimetric characterization of polysulfone ultrafiltration membranes by image analysis and liquid displacement technique. <i>Desalination</i> , 2015, 357, 84-92.	4.0	12
39	Characterization of UF membranes by liquid displacement porosimetry. <i>Desalination</i> , 2009, 245, 546-553.	4.0	11
40	Morphological, Electrical, and Chemical Characteristics of Poly(sodium 4-styrenesulfonate) Coated PVDF Ultrafiltration Membranes after Plasma Treatment. <i>Polymers</i> , 2019, 11, 1689.	2.0	9
41	Comparison of Capillary Flow Porometry (CFP) and Liquid Extrusion Porometry (LEP) Techniques for the Characterization of Porous and Face Mask Membranes. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5703.	1.3	8
42	Reduction of Pb(II) in water to safe levels by a small tubular membrane nanofiltration plant. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 329-343.	2.1	5
43	Membrane Dialysis for Partial Dealcoholization of White Wines. <i>Membranes</i> , 2022, 12, 468.	1.4	4
44	Non-Destructive Characterization of Industrial Membrane Cartridges by Using Liquid Displacement Porosimetry (LLDP). <i>Membranes</i> , 2020, 10, 369.	1.4	3
45	Characterization of Commercial Gas Diffusion Layers (GDL) by Liquid Extrusion Porometry (LEP) and Gas Liquid Displacement Porometry (GLDP). <i>Membranes</i> , 2022, 12, 212.	1.4	3
46	Properties and Membrane Distillation Performance of Polypropylene Porous Membranes. <i>Procedia Engineering</i> , 2012, 44, 1216-1218.	1.2	1
47	Characterization of Carbon Molecular Sieve Membranes Supported on Ceramic Tubes. <i>Adsorption Science and Technology</i> , 2013, 31, 233-247.	1.5	1
48	Past, Present and Future of Membrane Technology in Spain. <i>Membranes</i> , 2021, 11, 808.	1.4	1
49	Caracterizaci3n de una nueva membrana cerÃ¡mica de microfiltraci3n con soporte de tejido en acero inoxidable flexible. <i>Boletín De La Sociedad Espanola De Ceramica Y Vidrio</i> , 1999, 38, 117-120.	0.9	1
50	The passing of Miguel A. Mattea. <i>Journal of Membrane Science</i> , 2008, 321, 131.	4.1	0
51	Novel PVDF Membranes for Desalination by Membrane Distillation. <i>Procedia Engineering</i> , 2012, 44, 1213-1215.	1.2	0
52	Changes in structure and performance during diafiltration of binary protein solutions due to repeated cycles of fouling/alkaline cleaning. <i>Food and Bioproducts Processing</i> , 2017, 105, 117-128.	1.8	0
53	Estudio de la distribuci3n de poros activos y totales en membranas cerÃ¡micas planas de microfiltraci3n. <i>Boletín De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2000, 39, 217-222.	0.9	0