

# Maria Isabel Alcaina-Miranda

## List of Publications by Year in descending order

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54  
papers

2,318  
citations

159358

30  
h-index

205818

48  
g-index

54  
all docs

54  
docs citations

54  
times ranked

2426  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmaceutical compounds removal by adsorption with commercial and reused carbon coming from a drinking water treatment plant. <i>Journal of Cleaner Production</i> , 2019, 238, 117866.	4.6	48
2	Nanofiltration as tertiary treatment method for removing trace pharmaceutically active compounds in wastewater from wastewater treatment plants. <i>Water Research</i> , 2017, 125, 360-373.	5.3	139
3	Rejection of trace pharmaceutically active compounds present in municipal wastewaters using ceramic fine ultrafiltration membranes: Effect of feed solution pH and fouling phenomena. <i>Separation and Purification Technology</i> , 2017, 175, 58-71.	3.9	59
4	Surface photomodification of flat-sheet PES membranes with improved antifouling properties by varying UV irradiation time and additive solution pH. <i>Chemical Engineering Journal</i> , 2016, 283, 231-242.	6.6	45
5	Treatment of table olive processing wastewaters using novel photomodified ultrafiltration membranes as first step for recovering phenolic compounds. <i>Journal of Hazardous Materials</i> , 2015, 290, 51-59.	6.5	39
6	Comparison between hydrophilic and hydrophobic metal nanoparticles on the phase separation phenomena during formation of asymmetric polyethersulphone membranes. <i>Journal of Membrane Science</i> , 2015, 493, 709-722.	4.1	56
7	Study and optimization of the ultrasound-enhanced cleaning of an ultrafiltration ceramic membrane through a combined experimental-statistical approach. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1222-1234.	3.8	43
8	Ultrafiltration ceramic membrane performance during the treatment of model solutions containing dye and salt. <i>Separation and Purification Technology</i> , 2014, 129, 96-105.	3.9	91
9	Protein Removal from Waste Brines Generated during Ham Salting through Acidification and Centrifugation. <i>Journal of Food Science</i> , 2014, 79, E326-32.	1.5	1
10	Enhancement in hydrophilicity of different polymer phase-inversion ultrafiltration membranes by introducing PEG/Al <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Separation and Purification Technology</i> , 2014, 128, 45-57.	3.9	114
11	Development of fouling-resistant polyethersulfone ultrafiltration membranes via surface UV photografting with polyethylene glycol/aluminum oxide nanoparticles. <i>Separation and Purification Technology</i> , 2014, 135, 88-99.	3.9	31
12	Performance of ceramic ultrafiltration membranes and fouling behavior of a dye-polysaccharide binary system. <i>Water Research</i> , 2014, 54, 199-210.	5.3	52
13	Fabrication and Characterization of Organic Pervaporation Membranes to Recover Ethyl Acetate of Aqueous Solutions. <i>Procedia Engineering</i> , 2012, 44, 678-680.	1.2	1
14	Factors Influencing the Ultrasound-enhanced Cleaning Process of an Ultrafiltration Ceramic Membrane Fouled by Reactive Dye Particles. <i>Procedia Engineering</i> , 2012, 44, 1665-1667.	1.2	0
15	Reactive dyes rejection and textile effluent treatment study using ultrafiltration and nanofiltration processes. <i>Desalination</i> , 2012, 297, 87-96.	4.0	148
16	Application of tubular ceramic ultrafiltration membranes for the treatment of integrated textile wastewaters. <i>Chemical Engineering Journal</i> , 2012, 192, 211-218.	6.6	64
17	Ultrafiltration technology with a ceramic membrane for reactive dye removal: Optimization of membrane performance. <i>Journal of Hazardous Materials</i> , 2012, 209-210, 492-500.	6.5	208
18	Effect of pH and MWCO on textile effluents ultrafiltration by tubular ceramic membranes. <i>Desalination and Water Treatment</i> , 2011, 27, 81-89.	1.0	11

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19	Study of membrane fouling using synthetic model solutions in UF and NF processes. Chemical Engineering Journal, 2011, 175, 192-200.	6.6	36
20	Influence of operating conditions on ceramic ultrafiltration membrane performance when treating textile effluents. Water Science and Technology, 2011, 64, 2169-2176.	1.2	2
21	Study of the behaviour of different NF membranes for the reclamation of a secondary textile effluent in rinsing processes. Journal of Hazardous Materials, 2010, 178, 341-348.	6.5	44
22	Environmental management of the residual brine of cod desalting. Quantification of mass transfer phenomena and determination of some parameters on the residual brine important for its treatment by membrane technology. Journal of Food Engineering, 2010, 99, 424-429.	2.7	10
23	Application of nanofiltration models for the prediction of lactose retention using three modes of operation. Journal of Food Engineering, 2010, 99, 373-376.	2.7	14
24	Sequencing batch reactor technology coupled with nanofiltration for textile wastewater reclamation. Chemical Engineering Journal, 2010, 161, 122-128.	6.6	31
25	Ceramic membrane behavior in textile wastewater ultrafiltration. Desalination, 2010, 250, 623-628.	4.0	117
26	Multi-method characterization of DOM from the Turia river (Spain). Applied Geochemistry, 2010, 25, 1632-1643.	1.4	12
27	A study of the separation of lactose from whey ultrafiltration permeate using nanofiltration. Desalination, 2009, 241, 244-255.	4.0	91
28	Comparison of three NF membranes for the reuse of secondary textile effluents. Desalination, 2009, 241, 1-7.	4.0	32
29	Nanofiltration as a final step towards textile wastewater reclamation. Desalination, 2009, 240, 290-297.	4.0	61
30	Pickling wastewater reclamation by means of nanofiltration. Desalination, 2008, 221, 225-233.	4.0	24
31	Comparison of the Behavior of Two Nanofiltration Membranes for Sweet Whey Demineralization. Journal of Dairy Science, 2007, 90, 1094-1101.	1.4	39
32	Nanofiltration of sweet whey and prediction of lactose retention as a function of permeate flux using the Kedem-Spiegler and Donnan Steric Partitioning models. Separation and Purification Technology, 2007, 56, 38-46.	3.9	37
33	Comparison of two nanofiltration membranes NF200 and Ds-5 DL to demineralize whey. Desalination, 2006, 199, 43-45.	4.0	8
34	Prediction of solute rejection in nanofiltration processes using different mathematical models. Desalination, 2006, 200, 144-145.	4.0	3
35	Study of the UF process as pretreatment of NF membranes for textile wastewater reuse. Desalination, 2006, 200, 745-747.	4.0	37
36	Nanofiltration of textile industry wastewater using a physicochemical process as a pre-treatment. Desalination, 2005, 178, 343-349.	4.0	58

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37	Study of preozonation influence on the physical-chemical treatment of textile wastewater. Desalination, 2005, 182, 267-274.	4.0	35
38	Nanofiltration of biologically treated textile effluents using ozone as a pre-treatment. Desalination, 2004, 167, 387-392.	4.0	33
39	Swelling behavior of PDMS-PMHS pervaporation membranes in ethyl acetate-water mixtures. Journal of Applied Polymer Science, 2004, 93, 1384-1393.	1.3	9
40	New potentiometric dissolved oxygen sensors in thick film technology. Sensors and Actuators B: Chemical, 2004, 101, 295-301.	4.0	46
41	Separation of Mineral Salts and Lactose Solutions through Nanofiltration Membranes. Food Science and Technology International, 2004, 10, 255-262.	1.1	16
42	Combination of physico-chemical treatment and nanofiltration to reuse wastewater of a printing, dyeing and finishing textile industry. Desalination, 2003, 157, 73-80.	4.0	83
43	Comparison between nanofiltration and ozonation of biologically treated textile wastewater for its reuse in the industry. Desalination, 2003, 157, 81-86.	4.0	61
44	Reuse of wastewater of the textile industry after its treatment with a combination of physico-chemical treatment and membrane technologies. Desalination, 2002, 149, 169-174.	4.0	91
45	Morphologies and tensile properties of PA6/HIPS/HIPS-g-MA. Journal of Applied Polymer Science, 2001, 81, 782-783.	1.3	1
46	Swelling behavior of pervaporation membranes in ethanol-water mixtures. Journal of Applied Polymer Science, 2000, 75, 1424-1433.	1.3	18
47	Declassification of radioactive waste solutions of iodine (I125) from radioimmune analysis (RIA) using membrane techniques. Desalination, 2000, 129, 101-105.	4.0	17
48	Treatment of whey effluents from dairy industries by nanofiltration membranes. Desalination, 1998, 119, 177-183.	4.0	57
49	Concentration of radioactive waste solutions of iodine (I125) from radio immune analysis (RIA) using membrane techniques. Desalination, 1998, 119, 185.	4.0	2
50	Effect of oxidation agents on reverse osmosis membrane performance to brackish water desalination. Desalination, 1997, 108, 83-89.	4.0	13
51	Evaluation of the dialysing yield of membranes with different composition. Application to the analysis of chloride in fruit juices by flow injection. Analytica Chimica Acta, 1997, 353, 245-254.	2.6	12
52	Swelling studies on pervaporation by dynamic-mechanical spectroscopy. Journal of Non-Crystalline Solids, 1994, 172-174, 1066-1071.	1.5	3
53	Dynamic mechanical relaxations in annealed and irradiated polyethylenes. Journal of Non-Crystalline Solids, 1994, 172-174, 1072-1077.	1.5	9
54	Removal of pharmaceutically active compounds by using low-pressure membrane processes. , 0, 69, 252-260.		6