Maria Isabel Alcaina-Miranda

List of Publications by Year
in descending order

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	Ultrafiltration technology with a ceramic membrane for reactive dye removal: Optimization of membrane performance. Journal of Hazardous Materials, 2012, 209-210, 492-500.	6.5	208
2	Reactive dyes rejection and textile effluent treatment study using ultrafiltration and nanofiltration processes. Desalination, 2012, 297, 87-96.	4.0	148
3	Nanofiltration as tertiary treatment method for removing trace pharmaceutically active compounds in wastewater from wastewater treatment plants. Water Research, 2017, 125, 360-373.	5.3	139
4	Ceramic membrane behavior in textile wastewater ultrafiltration. Desalination, 2010, 250, 623-628.	4.0	117
5	Enhancement in hydrophilicity of different polymer phase-inversion ultrafiltration membranes by introducing PEG/Al2O3 nanoparticles. Separation and Purification Technology, 2014, 128, 45-57.	3.9	114
6	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
7	A study of the separation of lactose from whey ultrafiltration permeate using nanofiltration. Desalination, 2009, 241, 244-255.	4.0	91
8	Ultrafiltration ceramic membrane performance during the treatment of model solutions containing dye and salt. Separation and Purification Technology, 2014, 129, 96-105.	3.9	91
9	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
10	Application of tubular ceramic ultrafiltration membranes for the treatment of integrated textile wastewaters. Chemical Engineering Journal, 2012, 192, 211-218.	6.6	64
11	Comparison between nanofiltration and ozonation of biologically treated textile wastewater for its reuse in the industry. Desalination, 2003, 157, 81-86.	4.0	61
12	Nanofiltration as a final step towards textile wastewater reclamation. Desalination, 2009, 240, 290-297.	4.0	61
13	Rejection of trace pharmaceutically active compounds present in municipal wastewaters using ceramic fine ultrafiltration membranes: Effect of feed solution pH and fouling phenomena. Separation and Purification Technology, 2017, 175, 58-71.	3.9	59
14	Nanofiltration of textile industry wastewater using a physicochemical process as a pre-treatment. Desalination, 2005, 178, 343-349.	4.0	58
15	Treatment of whey effluents from dairy industries by nanofiltration membranes. Desalination, 1998, 119, 177-183.	4.0	57
16	Comparison between hydrophilic and hydrophobic metal nanoparticles on the phase separation phenomena during formation of asymmetric polyethersulphone membranes. Journal of Membrane Science, 2015, 493, 709-722.	4.1	56
17	Performance of ceramic ultrafiltration membranes and fouling behavior of a dye-polysaccharide binary system. Water Research, 2014, 54, 199-210.	5.3	52
18	Pharmaceutical compounds removal by adsorption with commercial and reused carbon coming from a drinking water treatment plant. Journal of Cleaner Production, 2019, 238, 117866.	4.6	48

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19	New potentiomentric dissolved oxygen sensors in thick film technology. Sensors and Actuators B: Chemical, 2004, 101, 295-301.	4.0	46
20	Surface photomodification of flat-sheet PES membranes with improved antifouling properties by varying UV irradiation time and additive solution pH. Chemical Engineering Journal, 2016, 283, 231-242.	6.6	45
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	Study and optimization of the ultrasound-enhanced cleaning of an ultrafiltration ceramic membrane through a combined experimentalâ€“statistical approach. Ultrasonics Sonochemistry, 2014, 21, 1222-1234.	3.8	43
23	Comparison of the Behavior of Two Nanofiltration Membranes for Sweet Whey Demineralization. Journal of Dairy Science, 2007, 90, 1094-1101.	1.4	39
24	Treatment of table olive processing wastewaters using novel photomodified ultrafiltration membranes as first step for recovering phenolic compounds. Journal of Hazardous Materials, 2015, 290, 51-59.	6.5	39
25	Study of the UF process as pretreatment of NF membranes for textile wastewater reuse. Desalination, 2006, 200, 745-747.	4.0	37
26	Nanofiltration of sweet whey and prediction of lactose retention as a function of permeate flux using the Kedemâ€“Spiegler and Donnan Steric Partioning models. Separation and Purification Technology, 2007, 56, 38-46.	3.9	37
27	Study of membrane fouling using synthetic model solutions in UF and NF processes. Chemical Engineering Journal, 2011, 175, 192-200.	6.6	36
28	Study of preozonation influence on the physical-chemical treatment of textile wastewater. Desalination, 2005, 182, 267-274.	4.0	35
29	Nanofiltration of biologically treated textile effluents using ozone as a pre-treatment. Desalination, 2004, 167, 387-392.	4.0	33
30	Comparison of three NF membranes for the reuse of secondary textile effluents. Desalination, 2009, 241, 1-7.	4.0	32
31	Sequencing batch reactor technology coupled with nanofiltration for textile wastewater reclamation. Chemical Engineering Journal, 2010, 161, 122-128.	6.6	31
32	Development of fouling-resistant polyethersulfone ultrafiltration membranes via surface UV photografting with polyethylene glycol/aluminum oxide nanoparticles. Separation and Purification Technology, 2014, 135, 88-99.	3.9	31
33	Pickling wastewater reclamation by means of nanofiltration. Desalination, 2008, 221, 225-233.	4.0	24
34	Swelling behavior of pervaporation membranes in ethanol-water mixtures. Journal of Applied Polymer Science, 2000, 75, 1424-1433.	1.3	18
35	Declassification of radioactive waste solutions of iodine (I125) from radioimmune analysis (RIA) using membrane techniques. Desalination, 2000, 129, 101-105.	4.0	17
36	Separation of Mineral Salts and Lactose Solutions through Nanofiltration Membranes. Food Science and Technology International, 2004, 10, 255-262.	1.1	16

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37	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
38	Effect of oxidation agents on reverse osmosis membrane performance to brackish water desalination. Desalination, 1997, 108, 83-89.	4.0	13
39	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
40	Multi-method characterization of DOM from the Turia river (Spain). Applied Geochemistry, 2010, 25, 1632-1643.	1.4	12
41	Effect of pH and MWCO on textile effluents ultrafiltration by tubular ceramic membranes. Desalination and Water Treatment, 2011, 27, 81-89.	1.0	11
42	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
43	Dynamic mechanical relaxations in annealed and irradiated polyethylenes. Journal of Non-Crystalline Solids, 1994, 172-174, 1072-1077.	1.5	9
44	Swelling behavior of PDMS-PMHS pervaporation membranes in ethyl acetate-water mixtures. Journal of Applied Polymer Science, 2004, 93, 1384-1393.	1.3	9
45	Comparison of two nanofiltration membranes NF200 and Ds-5 DL to demineralize whey. Desalination, 2006, 199, 43-45.	4.0	8
46	Removal of pharmaceutically active compounds by using low-pressure membrane processes. , 0, 69, 252-260.		6
47	Swelling studies on pervaporation by dynamic-mechanical spectroscopy. Journal of Non-Crystalline Solids, 1994, 172-174, 1066-1071.	1.5	3
48	Prediction of solute rejection in nanofiltration processes using different mathematical models. Desalination, 2006, 200, 144-145.	4.0	3
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	Influence of operating conditions on ceramic ultrafiltration membrane performance when treating textile effluents. Water Science and Technology, 2011, 64, 2169-2176.	1.2	2
51	Morphologies and tensile properties of PA6/HIPS/HIPS-g-MA. Journal of Applied Polymer Science, 2001, 81, 782-783.	1.3	1
52	Fabrication and Characterization of Organic Pervaporation Membranes to Recover Ethyl Acetate of Aqueous Solutions. Procedia Engineering, 2012, 44, 678-680.	1.2	1
53	Protein Removal from Waste Brines Generated during Ham Salting through Acidification and Centrifugation. Journal of Food Science, 2014, 79, E326-32.	1.5	1
54	Factors Influencing the Ultrasoundâ€“enhanced Cleaning Process of an Ultrafiltration Ceramic Cembrane Fouled by Reactive Dye Particles. Procedia Engineering, 2012, 44, 1665-1667.	1.2	0