

Jaime Lora-Garcia

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7994498/publications.pdf>

Version: 2024-02-01

55
papers

1,401
citations

361296

20
h-index

345118

36
g-index

55
all docs

55
docs citations

55
times ranked

1430
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of membrane pore blocking models applied to the ultrafiltration of PEG. Separation and Purification Technology, 2008, 62, 489-498.	3.9	178
2	Analysis of membrane pore blocking models adapted to crossflow ultrafiltration in the ultrafiltration of PEG. Chemical Engineering Journal, 2009, 149, 232-241.	6.6	123
3	Nanofiltration of secondary effluent for wastewater reuse in the textile industry. Desalination, 2008, 222, 272-279.	4.0	101
4	Concentration of brines from RO desalination plants by natural evaporation. Desalination, 2005, 182, 435-439.	4.0	85
5	Performance of commercial nanofiltration membranes in the removal of nitrate ions. Desalination, 2005, 185, 281-287.	4.0	63
6	Treatment of whey effluents from dairy industries by nanofiltration membranes. Desalination, 1998, 119, 177-183.	4.0	57
7	Comparison between artificial neural networks and Hermia's models to assess ultrafiltration performance. Separation and Purification Technology, 2016, 170, 434-444.	3.9	51
8	Nitrate removal from ternary ionic solutions by a tight nanofiltration membrane. Desalination, 2007, 204, 63-71.	4.0	42
9	Ultrafiltration as an alternative membrane technology to obtain safe drinking water from surface water: 10 years of experience on the scope of the AQUAPOT project. Desalination, 2009, 248, 34-41.	4.0	41
10	Purification of tannery effluents by ultrafiltration in view of permeate reuse. Separation and Purification Technology, 2010, 70, 296-301.	3.9	40
11	Ultrafiltration and reverse osmosis performance in the treatment of radioimmunoassay liquid wastes. Desalination, 2006, 201, 207-215.	4.0	36
12	Ultrafiltration as a pre-treatment of other membrane technologies in the reuse of textile wastewaters. Desalination, 2008, 221, 405-412.	4.0	34
13	Selection of the most suitable ultrafiltration membrane for water disinfection in developing countries. Desalination, 2004, 168, 265-270.	4.0	32
14	Mixture design applied to describe the influence of ionic composition on the removal of nitrate ions using nanofiltration. Desalination, 2005, 185, 289-296.	4.0	32
15	Design of a membrane facility for water potabilization and its application to Third World countries. Desalination, 2001, 137, 63-69.	4.0	30
16	Study of different pretreatments for reverse osmosis reclamation of a petrochemical secondary effluent. Journal of Hazardous Materials, 2010, 178, 883-889.	6.5	30
17	Design and installation of a decentralized drinking water system based on ultrafiltration in Mozambique. Desalination, 2010, 250, 613-617.	4.0	27
18	Analysis and optimization of the influence of operating conditions in the ultrafiltration of macromolecules using a response surface methodological approach. Chemical Engineering Journal, 2010, 156, 337-346.	6.6	26

#	ARTICLE	IF	CITATIONS
19	Utilization of NaCl solutions to clean ultrafiltration membranes fouled by whey protein concentrates. Separation and Purification Technology, 2015, 150, 95-101.	3.9	24
20	Pasado, presente y futuro de la desalaci3n en EspaA±a. IngenierAa Del Agua, 2019, 23, 199.	0.2	23
21	Declassification of radioactive waste solutions of iodine (I125) from radioimmune analysis (RIA) using membrane techniques. Desalination, 2000, 129, 101-105.	4.0	17
22	Modelling of a low-pressure reverse osmosis system with concentrate recirculation to obtain high recovery levels. Desalination, 2002, 144, 341-345.	4.0	16
23	Aquapot: UF real applications for water potabilization in developing countries. Problems, location and solutions adopted. Desalination, 2007, 204, 316-321.	4.0	16
24	AQUAPOT: study of several cleaning solutions to recover permeate flow in a humanitarian drinking water treatment facility based on spiral wound UF membrane. Preliminary test (I). Desalination, 2008, 221, 331-337.	4.0	16
25	Reverse osmosis of the retentate from the nanofiltration of secondary effluents. Desalination, 2009, 240, 274-279.	4.0	16
26	Analysis of an ultrafiltration model: Influence of operational conditions. Desalination, 2012, 284, 14-21.	4.0	16
27	Modelling approach to an ultrafiltration process for the removal of dissolved and colloidal substances from treated wastewater for reuse in recycled paper manufacturing. Journal of Water Process Engineering, 2018, 21, 96-106.	2.6	16
28	Use of reverse osmosis as a preconcentration system of waste leaching liquid from the citric juice production industry. Desalination, 2002, 148, 137-142.	4.0	15
29	Energetic comparison for leaching waste liquid from citric juice production using both reverse osmosis and multiple-effect evaporation. Desalination, 2006, 191, 178-185.	4.0	15
30	Utilization of a shear induced diffusion model to predict permeate flux in the crossflow ultrafiltration of macromolecules. Desalination, 2007, 206, 61-68.	4.0	14
31	Effect of oxidation agents on reverse osmosis membrane performance to brackish water desalination. Desalination, 1997, 108, 83-89.	4.0	13
32	Application of a dynamic model for predicting flux decline in crossflow ultrafiltration. Desalination, 2006, 198, 303-309.	4.0	13
33	Applicability of the DSPM with dielectric exclusion to a high rejection nanofiltration membrane in the separation of nitrate solutions. Desalination, 2008, 221, 268-276.	4.0	12
34	Study of the behaviour of a reverse osmosis membrane for wastewater reclamation " influence of wastewater concentration. Desalination, 2008, 222, 243-248.	4.0	12
35	AQUAPOT: Study of the causes in reduction of permeate flow in spiral wound UF membrane. Simulation of a non-rigorous cleaning protocol in a drinkable water treatment facility. Desalination, 2008, 222, 513-518.	4.0	11
36	Fouling dynamics modelling in the ultrafiltration of PEGs. Desalination, 2008, 222, 451-456.	4.0	11

#	ARTICLE	IF	CITATIONS
37	Analysis of fouling resistances under dynamic membrane filtration. Chemical Engineering and Processing: Process Intensification, 2011, 50, 404-408.	1.8	11
38	Analysis of Two Ultrafiltration Fouling Models and Estimation of Model Parameters as a Function of Operational Conditions. Transport in Porous Media, 2013, 99, 391-411.	1.2	11
39	Analysis of ultrafiltration processes with dilatant macromolecular solutions by means of dimensionless numbers and hydrodynamic parameters. Separation and Purification Technology, 2010, 75, 332-339.	3.9	10
40	Application of a dynamic model that combines pore blocking and cake formation in crossflow ultrafiltration. Desalination, 2006, 200, 138-139.	4.0	9
41	Influence of feed concentration on the accuracy of permeate flux decline prediction in ultrafiltration. Desalination, 2008, 221, 383-389.	4.0	9
42	Validation of dynamic models to predict flux decline in the ultrafiltration of macromolecules. Desalination, 2007, 204, 344-350.	4.0	7
43	UF-designed facility location protocol for a potable water treatment in developing countries. Desalination, 2006, 200, 322-324.	4.0	6
44	Application of several pretreatment technologies to a wastewater effluent of a petrochemical industry finally treated with reverse osmosis. Desalination and Water Treatment, 2015, 55, 3653-3661.	1.0	6
45	Ultrafiltration permeate flux decline prediction for gel layer forming solutes using monotubular ceramic membranes. Desalination, 2009, 240, 89-93.	4.0	5
46	Estimation of the gel layer concentration in ultrafiltration: Comparison of different methods. Desalination and Water Treatment, 2009, 3, 157-161.	1.0	5
47	Study of the vapour pressure of saturated salt solutions and their influence on evaporation rate at room temperature. Desalination and Water Treatment, 2009, 7, 111-118.	1.0	4
48	Composite membranes of aromatic-polyamide for desalination: Membrane preparation and characterization.. Desalination, 1987, 64, 375-386.	4.0	3
49	Application of membrane technology for the treatment of effluent from a zirconium silicate production process. Desalination, 2005, 178, 361-367.	4.0	3
50	The effect of agitation on reverse osmosis desalination. Desalination, 1990, 79, 261-269.	4.0	2
51	Permeate flux decline prediction in the ultrafiltration of macromolecules with empirical estimation of the gel layer concentration. Desalination, 2008, 221, 390-394.	4.0	2
52	An approach to theoretical prediction of permeate flux decline in ultrafiltration. Desalination and Water Treatment, 2009, 10, 134-138.	1.0	2
53	Prediction of ultrafiltration permeate flux decline by means of a shear induced diffusion model with empirical estimation of the gel layer concentration. Desalination and Water Treatment, 2009, 10, 139-143.	1.0	1
54	Linearization of ultrafiltration models: analysis of experimental data from ultrafiltration tests. Desalination and Water Treatment, 2009, 10, 144-147.	1.0	1

#	ARTICLE	IF	CITATIONS
55	Water potabilization in developing countries: membrane technology and natural coagulants. Desalination, 2006, 200, 325-326.	4.0	0