

# Luisa Vera

## List of Publications by Year in descending order

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37  
papers

747  
citations

430442

18  
h-index

525886

27  
g-index

38  
all docs

38  
docs citations

38  
times ranked

684  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pilot plant study of a new rotating hollow fibre membrane module for improved performance of an anaerobic submerged MBR. <i>Journal of Membrane Science</i> , 2016, 514, 105-113.	4.1	51
2	Evaluation of a novel physical cleaning strategy based on HF membrane rotation during the backwashing/relaxation phases for anaerobic submerged MBR. <i>Journal of Membrane Science</i> , 2017, 526, 181-190.	4.1	50
3	A novel rotating HF membrane to control fouling on anaerobic membrane bioreactors treating wastewater. <i>Journal of Membrane Science</i> , 2016, 501, 45-52.	4.1	49
4	Effect of previous coagulation in direct ultrafiltration of primary settled municipal wastewater. <i>Desalination</i> , 2012, 304, 41-48.	4.0	42
5	Enhancing microfiltration through an inorganic tubular membrane by gas sparging. <i>Journal of Membrane Science</i> , 2000, 165, 47-57.	4.1	37
6	Photosynthetic bacteria-based membrane bioreactor as post-treatment of an anaerobic membrane bioreactor effluent. <i>Bioresource Technology</i> , 2017, 239, 528-532.	4.8	36
7	Dimensionless numbers for the steady-state flux of cross-flow microfiltration and ultrafiltration with gas sparging. <i>Chemical Engineering Science</i> , 2000, 55, 3419-3428.	1.9	35
8	Cross-flow microfiltration of biologically treated wastewater. <i>Desalination</i> , 1997, 114, 65-75.	4.0	34
9	Two years monitoring of the natural system for wastewater reclamation in Santa Lucía, Gran Canaria Island. <i>Ecological Engineering</i> , 2013, 50, 21-30.	1.6	31
10	Application of a backwashing strategy based on transmembrane pressure set-point in a tertiary submerged membrane bioreactor. <i>Journal of Membrane Science</i> , 2014, 470, 504-512.	4.1	29
11	Occurrence and removal of parasites, enteric bacteria and faecal contamination indicators in wastewater natural reclamation systems in Tenerife-Canary Islands, Spain. <i>Ecological Engineering</i> , 2011, 37, 496-503.	1.6	28
12	Modelling hollow-fibre ultrafiltration of biologically treated wastewater with and without gas sparging. <i>Journal of Membrane Science</i> , 2004, 228, 55-63.	4.1	27
13	Economic and environmental assessment of small and decentralized wastewater treatment systems. <i>Desalination and Water Treatment</i> , 2009, 4, 16-21.	1.0	27
14	Effect of sludge characteristics on membrane fouling during start-up of a tertiary submerged membrane bioreactor. <i>Environmental Science and Pollution Research</i> , 2016, 23, 8951-8962.	2.7	27
15	Fouling analysis of a tertiary submerged membrane bioreactor operated in dead-end mode at high-fluxes. <i>Journal of Membrane Science</i> , 2015, 493, 8-18.	4.1	26
16	Fouling control strategies for direct membrane ultrafiltration: Physical cleanings assisted by membrane rotational movement. <i>Chemical Engineering Journal</i> , 2022, 436, 135161.	6.6	24
17	Performance of a tertiary submerged membrane bioreactor operated at supra-critical fluxes. <i>Journal of Membrane Science</i> , 2014, 457, 1-8.	4.1	19
18	Dimensional analysis of steady state flux for microfiltration and ultrafiltration membranes. <i>Journal of Membrane Science</i> , 1998, 139, 37-45.	4.1	18

#	ARTICLE	IF	CITATIONS
19	Design and testing of an isolated commercial EDR plant driven by solar photovoltaic energy. <i>Desalination and Water Treatment</i> , 2013, 51, 1254-1264.	1.0	18
20	Analysis of backwashing efficiency in dead-end hollow-fibre ultrafiltration of anaerobic suspensions. <i>Environmental Science and Pollution Research</i> , 2015, 22, 16600-16609.	2.7	18
21	Nitrification in a hollow-fibre membrane bioreactor. <i>Desalination</i> , 2002, 146, 445-449.	4.0	16
22	Fouling analysis and mitigation in a tertiary MBR operated under restricted aeration. <i>Journal of Membrane Science</i> , 2017, 525, 368-377.	4.1	16
23	Gas sparged cross-flow microfiltration of biologically treated wastewater. <i>Water Science and Technology</i> , 2000, 41, 173-180.	1.2	15
24	Can microfiltration of treated wastewater produce suitable water for irrigation?. <i>Water Science and Technology</i> , 1998, 38, 395.	1.2	13
25	Feedback control system for filtration optimisation based on a simple fouling model dynamically applied to membrane bioreactors. <i>Journal of Membrane Science</i> , 2018, 552, 243-252.	4.1	13
26	Influence of Gas Sparging Intermittence on Ultrafiltration Performance of Anaerobic Suspensions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 4668-4675.	1.8	8
27	A Rotating Hollow Fiber Module for Fouling Control in Direct Membrane Filtration of Primary Settled Wastewater. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 16901-16910.	1.8	7
28	Influence of biologically treated wastewater quality on filtration through a hollow-fibre membrane. <i>Desalination</i> , 2002, 146, 459-462.	4.0	6
29	Direct Membrane Filtration for Wastewater Treatment Using an Intermittent Rotating Hollow Fiber Module. <i>Water (Switzerland)</i> , 2020, 12, 1836.	1.2	6
30	Enhancement of Peak Flux Capacity in Membrane Bioreactors for Wastewater Reuse by Controlling the Backwashing Strategy. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 1373-1381.	1.8	5
31	Depuranat project: sustainable management of wastewater in rural areas. <i>Desalination and Water Treatment</i> , 2009, 4, 59-68.	1.0	4
32	Nanofiltration/Reverse Osmosis as Pretreatment Technique for Water Reuse: Ultrafiltration Versus Tertiary Membrane Reactor. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1600014.	0.7	4
33	Water reuse in the management of island water resources: the case of the Canary Islands and the Region of Madeira. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2012, 61, 484-493.	0.6	3
34	Critical assessment of the nanofiltration for reusing brackish effluent from an anaerobic membrane bioreactor. <i>Environmental Progress and Sustainable Energy</i> , 2018, 37, 383-390.	1.3	2
35	Analysis of the pyrolysis kinetics of wastewater-fed microalgal biomass by a parallel order-based reaction model. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-14.	1.2	2
36	Can microfiltration of treated wastewater produce suitable water for irrigation?. <i>Water Science and Technology</i> , 1998, 38, 395-403.	1.2	1

#	ARTICLE	IF	CITATIONS
37	Filtration of biological suspension: membrane performance. Water Science and Technology: Water Supply, 2005, 5, 227-232.	1.0	0