

# Enrique Gonzalez

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

587  
citations

623188

14  
h-index

610482

24  
g-index

33  
all docs

33  
docs citations

33  
times ranked

582  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Direct Membrane Filtration for Wastewater Treatment Using an Intermittent Rotating Hollow Fiber Module. <i>Water (Switzerland)</i> , 2020, 12, 1836.	1.2	6
3	A Building Material from the Upper Jurassic Period into the Canarian Architectural Heritage: The Durability of the Heartwood of <i>Pinus Canariensis</i> . <i>International Journal of Architectural Heritage</i> , 2020, , 1-10.	1.7	1
4	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
5	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
6	Fixed bed column modeling of lead(II) and cadmium(II) ions biosorption on sugarcane bagasse. <i>Environmental Engineering Research</i> , 2019, 24, 31-37.	1.5	38
7	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
8	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
9	Kinetic Study of the Pyrolysis of Canary Pine: The Relationship between the Elemental Composition and the Kinetic Parameters. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 9094-9101.	1.8	10
10	TEACHING SKILLS IN ICT IN TECHNICAL DEGREES: APPLICATION TO THE CASE OF THE UNIVERSITY OF LA LAGUNA. <i>INTED Proceedings</i> , 2018, , .	0.0	0
11	EDUCATIONAL QUALITY AND EVALUATION CRITERIA: THE UNIVERSITY OF LA LAGUNA CASE. <i>INTED Proceedings</i> , 2018, , .	0.0	0
12	Tecnologías de biosorción y membranas en la eliminación de metales pesados. <i>Tecnología Y Ciencias Del Agua</i> , 2018, 9, 91-102.	0.1	6
13	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
14	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
15	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
16	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
17	RESEARCH AND EDUCATIONAL INNOVATION. <i>EDULEARN Proceedings</i> , 2017, , .	0.0	0
18	TEACHING INNOVATION AND USE OF ICT IN UNIVERSITY EDUCATION. <i>EDULEARN Proceedings</i> , 2017, , .	0.0	0

#	ARTICLE	IF	CITATIONS
19	APPLICATION OF THE NEW PEDAGOGICAL MODEL OF THE EUROPEAN HIGHER EDUCATION AREA: EXPERIENCES OF THE CHEMICAL ENGINEERING DEGREE OF THE LA LAGUNA UNIVERSITY. , 2017, , .		0
20	STRATEGIES FOR INNOVATION AND REFORM IN LEARNING. , 2017, , .		0
21	Pilot plant study of a new rotating hollow fibre membrane module for improved performance of an anaerobic submerged MBR. Journal of Membrane Science, 2016, 514, 105-113.	4.1	51
22	Effect of sludge characteristics on membrane fouling during start-up of a tertiary submerged membrane bioreactor. Environmental Science and Pollution Research, 2016, 23, 8951-8962.	2.7	27
23	Influence of Gas Sparging Intermittence on Ultrafiltration Performance of Anaerobic Suspensions. Industrial & Engineering Chemistry Research, 2016, 55, 4668-4675.	1.8	8
24	A novel rotating HF membrane to control fouling on anaerobic membrane bioreactors treating wastewater. Journal of Membrane Science, 2016, 501, 45-52.	4.1	49
25	Analysis of backwashing efficiency in dead-end hollow-fibre ultrafiltration of anaerobic suspensions. Environmental Science and Pollution Research, 2015, 22, 16600-16609.	2.7	18
26	Fouling analysis of a tertiary submerged membrane bioreactor operated in dead-end mode at high-fluxes. Journal of Membrane Science, 2015, 493, 8-18.	4.1	26
27	Application of a backwashing strategy based on transmembrane pressure set-point in a tertiary submerged membrane bioreactor. Journal of Membrane Science, 2014, 470, 504-512.	4.1	29
28	Performance of a tertiary submerged membrane bioreactor operated at supra-critical fluxes. Journal of Membrane Science, 2014, 457, 1-8.	4.1	19
29	Physical cleaning initiation controlled by transmembrane pressure set-point in a submerged membrane bioreactor. Separation and Purification Technology, 2013, 104, 55-63.	3.9	28
30	Effect of previous coagulation in direct ultrafiltration of primary settled municipal wastewater. Desalination, 2012, 304, 41-48.	4.0	42
31	Submerged Membrane Bioreactor at Substrate-limited Conditions: Activity and Biomass Characteristics. Water Environment Research, 2010, 82, 202-208.	1.3	4
32	Effect of the shear intensity on fouling in submerged membrane bioreactor for wastewater treatment. Journal of Membrane Science, 2008, 311, 173-181.	4.1	66
33	Analysis of the pyrolysis kinetics of wastewater-fed microalgal biomass by a parallel order-based reaction model. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-14.	1.2	2