

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	Effect of the shear intensity on fouling in submerged membrane bioreactor for wastewater treatment. <i>Journal of Membrane Science</i> , 2008, 311, 173-181.	4.1	66
2	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
3	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
4	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
5	Effect of previous coagulation in direct ultrafiltration of primary settled municipal wastewater. <i>Desalination</i> , 2012, 304, 41-48.	4.0	42
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	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
8	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
9	Physical cleaning initiation controlled by transmembrane pressure set-point in a submerged membrane bioreactor. <i>Separation and Purification Technology</i> , 2013, 104, 55-63.	3.9	28
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	Kinetic Study of the Pyrolysis of Canary Pine: The Relationship between the Elemental Composition and the Kinetic Parameters. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 9094-9101.	1.8	10
18	Influence of Gas Sparging Intermittence on Ultrafiltration Performance of Anaerobic Suspensions. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 4668-4675.	1.8	8

#	ARTICLE	IF	CITATIONS
19	A Rotating Hollow Fiber Module for Fouling Control in Direct Membrane Filtration of Primary Settled Wastewater. Industrial & Engineering Chemistry Research, 2019, 58, 16901-16910.	1.8	7
20	Direct Membrane Filtration for Wastewater Treatment Using an Intermittent Rotating Hollow Fiber Module. Water (Switzerland), 2020, 12, 1836.	1.2	6
21	Tecnologías de biosorción y membranas en la eliminación de metales pesados. Tecnología Y Ciencias Del Agua, 2018, 9, 91-102.	0.1	6
22	Enhancement of Peak Flux Capacity in Membrane Bioreactors for Wastewater Reuse by Controlling the Backwashing Strategy. Industrial & Engineering Chemistry Research, 2019, 58, 1373-1381.	1.8	5
23	Submerged Membrane Bioreactor at Substrate-Limited Conditions: Activity and Biomass Characteristics. Water Environment Research, 2010, 82, 202-208.	1.3	4
24	Nanofiltration/Reverse Osmosis as Pretreatment Technique for Water Reuse: Ultrafiltration Versus Tertiary Membrane Reactor. Clean - Soil, Air, Water, 2017, 45, 1600014.	0.7	4
25	Critical assessment of the nanofiltration for reusing brackish effluent from an anaerobic membrane bioreactor. Environmental Progress and Sustainable Energy, 2018, 37, 383-390.	1.3	2
26	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
27	A Building Material from the Upper Jurassic Period into the Canarian Architectural Heritage: The Durability of the Heartwood of Pinus Canariensis. International Journal of Architectural Heritage, 2020, , 1-10.	1.7	1
28	RESEARCH AND EDUCATIONAL INNOVATION. EDULEARN Proceedings, 2017, , .	0.0	0
29	TEACHING INNOVATION AND USE OF ICT IN UNIVERSITY EDUCATION. EDULEARN Proceedings, 2017, , .	0.0	0
30	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
31	STRATEGIES FOR INNOVATION AND REFORM IN LEARNING. , 2017, , .		0
32	TEACHING SKILLS IN ICT IN TECHNICAL DEGREES: APPLICATION TO THE CASE OF THE UNIVERSITY OF LA LAGUNA. INTED Proceedings, 2018, , .	0.0	0
33	EDUCATIONAL QUALITY AND EVALUATION CRITERIA: THE UNIVERSITY OF LA LAGUNA CASE. INTED Proceedings, 2018, , .	0.0	0