Josep Ribes

List of Publications by Year in descending order

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37 papers	1,229 citations	361296 20 h-index	360920 35 g-index
37 all docs	37 docs citations	37 times ranked	1217 citing authors

#	Article	IF	Citations
1	A semi-industrial scale AnMBR for municipal wastewater treatment at ambient temperature: performance of the biological process. Water Research, 2022, 215, 118249.	5.3	17
2	ENHANCING VIRTUAL LEARNING STRATEGIES IN THE AREA OF CHEMICAL ENGINEERING. , 2021, , .		0
3	New frontiers from removal to recycling of nitrogen and phosphorus from wastewater in the Circular Economy. Bioresource Technology, 2020, 300, 122673.	4.8	127
4	Modeling the anaerobic treatment of sulfate-rich urban wastewater: Application to AnMBR technology. Water Research, 2020, 184, 116133.	5.3	16
5	Resource recovery from sulphate-rich sewage through an innovative anaerobic-based water resource recovery facility (WRRF). Water Science and Technology, 2018, 78, 1925-1936.	1.2	53
6	Electrical conductivity as a state indicator for the start-up period of anaerobic fixed-bed reactors. Water Science and Technology, 2016, 73, 2294-2300.	1.2	8
7	Comparative neurocognitive effects of lithium and anticonvulsants in long-term stable bipolar patients. Journal of Affective Disorders, 2016, 190, 34-40.	2.0	23
8	Instrumentation, control, and automation for submerged anaerobic membrane bioreactors. Environmental Technology (United Kingdom), 2015, 36, 1795-1806.	1.2	18
9	Global sensitivity analysis of a filtration model for submerged anaerobic membrane bioreactors (AnMBR). Bioresource Technology, 2014, 158, 365-373.	4.8	13
10	Model-based automatic tuning of a filtration control system for submerged anaerobic membrane bioreactors (AnMBR). Journal of Membrane Science, 2014, 465, 14-26.	4.1	22
11	Mathematical modelling of filtration in submerged anaerobic MBRs (SAnMBRs): Long-term validation. Journal of Membrane Science, 2013, 446, 303-309.	4.1	17
12	Performance of industrial scale hollow-fibre membranes in a submerged anaerobic MBR (HF-SAnMBR) system at mesophilic and psychrophilic conditions. Separation and Purification Technology, 2013, 104, 290-296.	3.9	34
13	Factors that affect the permeability of commercial hollow-fibre membranes in a submerged anaerobic MBR (HF-SAnMBR) system. Water Research, 2013, 47, 1277-1288.	5.3	68
14	A filtration model applied to submerged anaerobic MBRs (SAnMBRs). Journal of Membrane Science, 2013, 444, 139-147.	4.1	31
15	Advanced control system for optimal filtration in submerged anaerobic MBRs (SAnMBRs). Journal of Membrane Science, 2013, 430, 330-341.	4.1	26
16	Biological Nutrient Removal Model No. 2 (BNRM2): a general model for wastewater treatment plants. Water Science and Technology, 2013, 67, 1481-1489.	1.2	53
17	Reliable method for assessing the COD mass balance of a submerged anaerobic membrane bioreactor (SAMBR) treating sulphate-rich municipal wastewater. Water Science and Technology, 2012, 66, 494-502.	1.2	15
18	Influence of total solids concentration on membrane permeability in a submerged hollow-fibre anaerobic membrane bioreactor. Water Science and Technology, 2012, 66, 377-384.	1.2	10

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19	Application of the general model â€˜Biological Nutrient Removal Model No. 1â€™ to upgrade two full-scale WWTPs. Environmental Technology (United Kingdom), 2012, 33, 1005-1012.	1.2	11
20	An improved sampling strategy based on trajectory design for application of the Morris method to systems with many input factors. Environmental Modelling and Software, 2012, 37, 103-109.	1.9	86
21	Sub-critical long-term operation of industrial scale hollow-fibre membranes in a submerged anaerobic MBR (HF-SAnMBR) system. Separation and Purification Technology, 2012, 100, 88-96.	3.9	25
22	An advanced control strategy for biological nutrient removal in continuous systems based on pH and ORP sensors. Chemical Engineering Journal, 2012, 183, 212-221.	6.6	42
23	Experimental study of the anaerobic urban wastewater treatment in a submerged hollow-fibre membrane bioreactor at pilot scale. Bioresource Technology, 2011, 102, 8799-8806.	4.8	159
24	Application of the Morris method for screening the influential parameters of fuzzy controllers applied to wastewater treatment plants. Water Science and Technology, 2011, 63, 2199-2206.	1.2	48
25	DSC: software tool for simulation-based design of control strategies applied to wastewater treatment plants. Water Science and Technology, 2011, 63, 796-803.	1.2	1
26	A systematic approach for fine-tuning of fuzzy controllers applied to WWTPs. Environmental Modelling and Software, 2010, 25, 670-676.	1.9	20
27	Calibration of denitrifying activity of polyphosphate accumulating organisms in an extended ASM2d model. Water Research, 2010, 44, 5284-5297.	5.3	15
28	Low cost-sensors as a real alternative to on-line nitrogen analysers in continuous systems. Water Science and Technology, 2009, 60, 3261-3268.	1.2	19
29	A methodology for sequencing batch reactor identification with artificial neural networks: A case study. Computers and Chemical Engineering, 2009, 33, 465-472.	2.0	38
30	DESASS: A software tool for designing, simulating and optimising WWTPs. Environmental Modelling and Software, 2008, 23, 19-26.	1.9	60
31	Parameter subset selection for the dynamic calibration of activated sludge models (ASMs): experience versus systems analysis. Water Science and Technology, 2007, 56, 107-115.	1.2	42
32	Fermentation and elutriation of primary sludge: Effect of SRT on process performance. Water Research, 2007, 41, 747-756.	5.3	42
33	Optimum design and operation of primary sludge fermentation schemes for volatile fatty acids production. Water Research, 2006, 40, 53-60.	5.3	26
34	Simple Rule-Based Algorithm for Optimizing Volatile Fatty Acids Production in Primary Sludge Fermentation Schemes. Journal of Environmental Engineering, ASCE, 2006, 132, 1439-1446.	0.7	0
35	Use of Biological and Sedimentation Models for Designing PeÃ±Ãscola WWTP. Environmental Technology (United Kingdom), 2004, 25, 681-687.	1.2	3
36	Modelling anaerobic biomass growth kinetics with a substrate threshold concentration. Water Research, 2004, 38, 4502-4510.	5.3	30

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37	Modelling of an Activated Primary Settling Tank Including the Fermentation Process and VFA Elutriation. Environmental Technology (United Kingdom), 2002, 23, 1147-1156.	1.2	11