Jose Ferrer

List of Publications by Year
in descending order

159 papers	5,271 citations	71061 41 h-index	118793 62 g-index
159 all docs	159 docs citations	159 times ranked	4510 citing authors

#	ARTICLE	IF	CITATIONS
1	Microalgae cultivation in wastewater: Nutrient removal from anaerobic membrane bioreactor effluent. Bioresource Technology, 2012, 126, 247-253.	4.8	186
2	Struvite precipitation assessment in anaerobic digestion processes. Chemical Engineering Journal, 2008, 141, 67-74.	6.6	160
3	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
4	New frontiers from removal to recycling of nitrogen and phosphorus from wastewater in the Circular Economy. Bioresource Technology, 2020, 300, 122673.	4.8	127
5	Instrumentation and control of anaerobic digestion processes: a review and some research challenges. Reviews in Environmental Science and Biotechnology, 2015, 14, 615-648.	3.9	118
6	Phosphorus recovery by struvite crystallization in WWTPs: Influence of the sludge treatment line operation. Water Research, 2010, 44, 2371-2379.	5.3	117
7	Adsorption of Heavy Metals from Aqueous Solutions onto Activated Carbon in Single Cu and Ni Systems and in Binary Cu-Ni, Cu-Cd and Cu-Zn Systems. Journal of Chemical Technology and Biotechnology, 1997, 68, 23-30.	1.6	116
8	Struvite formation from the supernatants of an anaerobic digestion pilot plant. Bioresource Technology, 2010, 101, 118-125.	4.8	116
9	A review on anaerobic membrane bioreactors (AnMBRs) focused on modelling and control aspects. Bioresource Technology, 2018, 270, 612-626.	4.8	106
10	Cadmium and Zinc Adsorption onto Activated Carbon: Influence of Temperature, pH and Metal/Carbon Ratio. Journal of Chemical Technology and Biotechnology, 1996, 66, 279-285.	1.6	103
11	Single and competitive adsorption of Cd and Zn onto a granular activated carbon. Water Research, 1996, 30, 3050-3060.	5.3	98
12	Methane recovery efficiency in a submerged anaerobic membrane bioreactor (SAnMBR) treating sulphate-rich urban wastewater: Evaluation of methane losses with the effluent. Bioresource Technology, 2012, 118, 67-72.	4.8	95
13	A voltammetric electronic tongue as tool for water quality monitoring in wastewater treatment plants. Water Research, 2012, 46, 2605-2614.	5.3	86
14	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
15	The operating cost of an anaerobic membrane bioreactor (AnMBR) treating sulphate-rich urban wastewater. Separation and Purification Technology, 2014, 126, 30-38.	3.9	86
16	Calibration and simulation of two large wastewater treatment plants operated for nutrient removal. Water Science and Technology, 2004, 50, 87-94.	1.2	72
17	Economic and environmental sustainability of submerged anaerobic MBR-based (AnMBR-based) technology as compared to aerobic-based technologies for moderate-/high-loaded urban wastewater treatment. Journal of Environmental Management, 2016, 166, 45-54.	3.8	69
18	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

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19	Biological nutrient removal model No.1 (BNRM1). Water Science and Technology, 2004, 50, 69-70.	1.2	66
20	Modelling biological and chemically induced precipitation of calcium phosphate in enhanced biological phosphorus removal systems. Water Research, 2011, 45, 3744-3752.	5.3	64
21	Wastewater nutrient removal in a mixed microalgae–bacteria culture: effect of light and temperature on the microalgae–bacteria competition. Environmental Technology (United Kingdom), 2018, 39, 503-515.	1.2	64
22	Interactions between calcium precipitation and the polyphosphate-accumulating bacteria metabolism. Water Research, 2008, 42, 3415-3424.	5.3	62
23	DESASS: A software tool for designing, simulating and optimising WWTPs. Environmental Modelling and Software, 2008, 23, 19-26.	1.9	60
24	Sub-critical filtration conditions of commercial hollow-fibre membranes in a submerged anaerobic MBR (HF-SAnMBR) system: The effect of gas sparging intensity. Bioresource Technology, 2012, 114, 247-254.	4.8	60
25	Using SOM and PCA for analysing and interpreting data from a P-removal SBR. Engineering Applications of Artificial Intelligence, 2008, 21, 919-930.	4.3	57
26	Navigating environmental, economic, and technological trade-offs in the design and operation of submerged anaerobic membrane bioreactors (AnMBRs). Water Research, 2015, 87, 531-541.	5.3	55
27	Effect of pH and nitrite concentration on nitrite oxidation rate. Bioresource Technology, 2011, 102, 8741-8747.	4.8	54
28	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
29	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
30	Water resource recovery by means of microalgae cultivation in outdoor photobioreactors using the effluent from an anaerobic membrane bioreactor fed with pre-treated sewage. Bioresource Technology, 2016, 218, 447-454.	4.8	51
31	Optimising an outdoor membrane photobioreactor for tertiary sewage treatment. Journal of Environmental Management, 2019, 245, 76-85.	3.8	50
32	Effect of ambient temperature variations on an indigenous microalgae-nitrifying bacteria culture dominated by Chlorella. Bioresource Technology, 2019, 290, 121788.	4.8	49
33	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
34	Relating ions concentration variations to conductivity variations in a sequencing batch reactor operated for enhanced biological phosphorus removal. Environmental Modelling and Software, 2006, 21, 845-851.	1.9	47
35	Microbial community characterization during anaerobic digestion of Scenedesmus spp. under mesophilic and thermophilic conditions. Algal Research, 2017, 27, 121-130.	2.4	47
36	Use of neurofuzzy networks to improve wastewater flow-rate forecasting. Environmental Modelling and Software, 2009, 24, 686-693.	1.9	46

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37	Performance of an outdoor membrane photobioreactor for resource recovery from anaerobically treated sewage. Journal of Cleaner Production, 2018, 178, 665-674.	4.6	45
38	Multivariate SPC of a sequencing batch reactor for wastewater treatment. Chemometrics and Intelligent Laboratory Systems, 2007, 85, 82-93.	1.8	44
39	Environmental impact of submerged anaerobic MBR (SAnMBR) technology used to treat urban wastewater at different temperatures. Bioresource Technology, 2013, 149, 532-540.	4.8	43
40	Design methodology for submerged anaerobic membrane bioreactors (AnMBR): A case study. Separation and Purification Technology, 2015, 141, 378-386.	3.9	43
41	Energy saving in the aeration process by fuzzy logic control. Water Science and Technology, 1998, 38, 209.	1.2	42
42	Fermentation and elutriation of primary sludge: Effect of SRT on process performance. Water Research, 2007, 41, 747-756.	5.3	42
43	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
44	Endocrine disrupter compounds removal in wastewater using microalgae: Degradation kinetics assessment. Chemical Engineering Journal, 2018, 334, 313-321.	6.6	42
45	Effect of light intensity, light duration and photoperiods in the performance of an outdoor photobioreactor for urban wastewater treatment. Algal Research, 2019, 40, 101511.	2.4	42
46	P-recovery in a pilot-scale struvite crystallisation reactor for source separated urine systems using seawater and magnesium chloride as magnesium sources. Science of the Total Environment, 2019, 672, 88-96.	3.9	42
47	A supervisory control system for optimising nitrogen removal and aeration energy consumption in wastewater treatment plants. Water Science and Technology, 2002, 45, 309-316.	1.2	41
48	Removal and fate of endocrine disruptors chemicals under lab-scale postreatment stage. Removal assessment using light, oxygen and microalgae. Bioresource Technology, 2013, 149, 142-148.	4.8	40
49	Economic and environmental sustainability of an AnMBR treating urban wastewater and organic fraction of municipal solid waste. Journal of Environmental Management, 2016, 179, 83-92.	3.8	40
50	Comparison of different predictive models for nutrient estimation in a sequencing batch reactor for wastewater treatment. Chemometrics and Intelligent Laboratory Systems, 2006, 84, 75-81.	1.8	39
51	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
52	PDMS membranes for feasible recovery of dissolved methane from AnMBR effluents. Journal of Membrane Science, 2020, 604, 118070.	4.1	37
53	A modification to the Activated Sludge Model No. 2 based on the competition between phosphorus-accumulating organisms and glycogen-accumulating organisms. Water Science and Technology, 2001, 43, 161-171.	1.2	35
54	Microalgae-bacteria consortia in high-rate ponds for treating urban wastewater: Elucidating the key state indicators under dynamic conditions. Journal of Environmental Management, 2020, 261, 110244.	3.8	35

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55	An extension of ASM2d including pH calculation. Water Research, 2004, 38, 4029-4038.	5.3	34
56	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
57	Nitrogen recovery using a membrane contactor: Modelling nitrogen and pH evolution. Journal of Environmental Chemical Engineering, 2020, 8, 103880.	3.3	34
58	Optimisation of sludge line management to enhance phosphorus recovery in WWTP. Water Research, 2008, 42, 4609-4618.	5.3	33
59	Effect of pH and HNO2 concentration on the activity of ammonia-oxidizing bacteria in a partial nitritation reactor. Water Science and Technology, 2013, 67, 2587-2594.	1.2	33
60	The Role of Potassium, Magnesium and Calcium in the Enhanced Biological Phosphorus Removal Treatment Plants. Environmental Technology (United Kingdom), 2005, 26, 983-992.	1.2	32
61	Anaerobic membrane bioreactors (AnMBR) treating urban wastewater in mild climates. Bioresource Technology, 2020, 314, 123763.	4.8	32
62	A filtration model applied to submerged anaerobic MBRs (SAnMBRs). Journal of Membrane Science, 2013, 444, 139-147.	4.1	31
63	Simulation of salt water–fresh water interface motion. Water Resources Research, 1983, 19, 61-68.	1.7	30
64	Precipitation assessment in wastewater treatment plants operated for biological nutrient removal: A case study in Murcia, Spain. Journal of Environmental Management, 2009, 90, 850-857.	3.8	30
65	Nonlinear control of an activated sludge aeration process: use of fuzzy techniques for tuning PID controllers. ISA Transactions, 1999, 38, 231-241.	3.1	29
66	Effect of intracellular P content on phosphate removal in Scenedesmus sp. Experimental study and kinetic expression. Bioresource Technology, 2015, 175, 325-332.	4.8	29
67	Performance of a membrane-coupled high-rate algal pond for urban wastewater treatment at demonstration scale. Bioresource Technology, 2020, 301, 122672.	4.8	28
68	Designing an AnMBR-based WWTP for energy recovery from urban wastewater: The role of primary settling and anaerobic digestion. Separation and Purification Technology, 2015, 156, 132-139.	3.9	27
69	A new strategy to maximize organic matter valorization in municipalities: Combination of urban wastewater with kitchen food waste and its treatment with AnMBR technology. Waste Management, 2017, 62, 274-289.	3.7	27
70	Outdoor flat-panel membrane photobioreactor to treat the effluent of an anaerobic membrane bioreactor. Influence of operating, design, and environmental conditions. Water Science and Technology, 2018, 78, 195-206.	1.2	27
71	Optimum design and operation of primary sludge fermentation schemes for volatile fatty acids production. Water Research, 2006, 40, 53-60.	5.3	26
72	Advanced control system for optimal filtration in submerged anaerobic MBRs (SAnMBRs). Journal of Membrane Science, 2013, 430, 330-341.	4.1	26

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73	Effect of pH, substrate and free nitrous acid concentrations on ammonium oxidation rate. Bioresource Technology, 2012, 124, 478-484.	4.8	25
74	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
75	AnMBR, reclaimed water and fertigation: Two case studies in Italy and Spain to assess economic and technological feasibility and CO2 emissions within the EU Innovation Deal initiative. Journal of Cleaner Production, 2020, 270, 122398.	4.6	25
76	Real-time control strategy for nitrogen removal via nitrite in a SHARON reactor using pH and ORP sensors. Process Biochemistry, 2012, 47, 1510-1515.	1.8	24
77	Anaerobic treatment of urban wastewater in membrane bioreactors: evaluation of seasonal temperature variations. Water Science and Technology, 2014, 69, 1581-1588.	1.2	23
78	Exploring the limits of anaerobic biodegradability of urban wastewater by AnMBR technology. Environmental Science: Water Research and Technology, 2018, 4, 1877-1887.	1.2	23
79	Study of the Adsorption of Cd and Zn onto an Activated Carbon: Influence of pH, Cation Concentration, and Adsorbent Concentration. Separation Science and Technology, 1999, 34, 1577-1593.	1.3	22
80	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
81	Continuous 3-year outdoor operation of a flat-panel membrane photobioreactor to treat effluent from an anaerobic membrane bioreactor. Water Research, 2020, 169, 115238.	5.3	22
82	The Effect of Sludge Age on the Deterioration of the Enhanced Biological Phosphorus Removal Process. Environmental Technology (United Kingdom), 1999, 20, 1055-1063.	1.2	21
83	Glophymed: An index to establish the ecological status for the Water Framework Directive based on phytoplankton in coastal waters. Marine Pollution Bulletin, 2013, 75, 218-223.	2.3	21
84	Potential use of the organic fraction of municipal solid waste in anaerobic co-digestion with wastewater in submerged anaerobic membrane technology. Waste Management, 2016, 56, 158-165.	3.7	21
85	Assessment of cross-flow filtration as microalgae harvesting technique prior to anaerobic digestion: Evaluation of biomass integrity and energy demand. Bioresource Technology, 2018, 269, 188-194.	4.8	21
86	A systematic approach for fine-tuning of fuzzy controllers applied to WWTPs. Environmental Modelling and Software, 2010, 25, 670-676.	1.9	20
87	Short-term effect of ammonia concentration and salinity on activity of ammonia oxidizing bacteria. Water Science and Technology, 2010, 61, 3008-3016.	1.2	20
88	Calcium effect on enhanced biological phosphorus removal. Water Science and Technology, 2006, 53, 29-37.	1.2	19
89	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
90	Effect of temperature on ammonium removal in Scenedesmus sp.. Bioresource Technology, 2015, 191, 346-349.	4.8	19

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91	Understanding the performance of an AnMBR treating urban wastewater and food waste via model simulation and characterization of the microbial population dynamics. Process Biochemistry, 2018, 67, 139-146.	1.8	19
92	Influence of food waste addition over microbial communities in an Anaerobic Membrane Bioreactor plant treating urban wastewater. Journal of Environmental Management, 2018, 217, 788-796.	3.8	19
93	Mixed microalgae culture for ammonium removal in the absence of phosphorus: Effect of phosphorus supplementation and process modeling. Process Biochemistry, 2014, 49, 2249-2257.	1.8	18
94	Instrumentation, control, and automation for submerged anaerobic membrane bioreactors. Environmental Technology (United Kingdom), 2015, 36, 1795-1806.	1.2	18
95	A plant-wide energy model for wastewater treatment plants: application to anaerobic membrane bioreactor technology. Environmental Technology (United Kingdom), 2016, 37, 2298-2315.	1.2	18
96	Mathematical modelling of filtration in submerged anaerobic MBRs (SAnMBRs): Long-term validation. Journal of Membrane Science, 2013, 446, 303-309.	4.1	17
97	Use of rumen microorganisms to boost the anaerobic biodegradability of microalgae. Algal Research, 2017, 24, 309-316.	2.4	17
98	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
99	Calibration and Validation of Activated Sludge Model No.2d for Spanish Municipal Wastewater. Environmental Technology (United Kingdom), 2002, 23, 849-862.	1.2	16
100	Modeling the anaerobic treatment of sulfate-rich urban wastewater: Application to AnMBR technology. Water Research, 2020, 184, 116133.	5.3	16
101	On-line monitoring of photosynthetic activity based on pH data to assess microalgae cultivation. Journal of Environmental Management, 2020, 276, 111343.	3.8	16
102	Economic analysis of the scale-up and implantation of a hollow fibre membrane contactor plant for nitrogen recovery in a full-scale wastewater treatment plant. Separation and Purification Technology, 2021, 275, 119128.	3.9	16
103	Calibration of denitrifying activity of polyphosphate accumulating organisms in an extended ASM2d model. Water Research, 2010, 44, 5284-5297.	5.3	15
104	Identification and quantification of microbial populations in activated sludge and anaerobic digestion processes. Environmental Technology (United Kingdom), 2015, 36, 45-53.	1.2	14
105	Outdoor microalgae–based urban wastewater treatment: Recent advances, applications, and future perspectives. Wiley Interdisciplinary Reviews: Water, 2021, 8, e1518.	2.8	14
106	Calibration and simulation of ASM2d at different temperatures in a phosphorus removal pilot plant. Water Science and Technology, 2006, 53, 199-206.	1.2	13
107	Global sensitivity analysis of a filtration model for submerged anaerobic membrane bioreactors (AnMBR). Bioresource Technology, 2014, 158, 365-373.	4.8	13
108	Effect of long residence time and high temperature over anaerobic biodegradation of Scenedesmus microalgae grown in wastewater. Journal of Environmental Management, 2018, 218, 425-434.	3.8	13

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109	Assessing and modeling nitrite inhibition in microalgae-bacteria consortia for wastewater treatment by means of photo-respirometric and chlorophyll fluorescence techniques. Science of the Total Environment, 2022, 808, 152128.	3.9	13
110	Influence of sludge age on enhanced phosphorus removal in biological systems. Water Science and Technology, 1996, 34, 41.	1.2	12
111	Real-time optimization of the key filtration parameters in an AnMBR: Urban wastewater mono-digestion vs. co-digestion with domestic food waste. Waste Management, 2018, 80, 299-309.	3.7	12
112	Plant-wide modelling in wastewater treatment: showcasing experiences using the Biological Nutrient Removal Model. Water Science and Technology, 2020, 81, 1700-1714.	1.2	12
113	Molinate decontamination processes in effluent water from rice fields. Science of the Total Environment, 1992, 123-124, 219-232.	3.9	11
114	A software for the integrated design of wastewater treatment plants. Environmental Modelling and Software, 1998, 13, 31-44.	1.9	11
115	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
116	Effect of pH on biological phosphorus uptake. Biotechnology and Bioengineering, 2006, 95, 875-882.	1.7	11
117	Application of the general model 'Biological Nutrient Removal Model No. 1' to upgrade two full-scale WWTPs. Environmental Technology (United Kingdom), 2012, 33, 1005-1012.	1.2	11
118	Treatment of a submerged anaerobic membrane bioreactor (SAnMBR) effluent by an activated sludge system: The role of sulphide and thiosulphate in the process. Journal of Environmental Management, 2015, 147, 213-218.	3.8	11
119	Characterization of activated sludge settling properties with a sludge collapse-acceleration stage. Separation and Purification Technology, 2019, 209, 32-41.	3.9	11
120	Wastewater COD characterization: analysis of respirometric and physical–chemical methods for determining biodegradable organic matter fractions. Journal of Chemical Technology and Biotechnology, 2010, 85, 536-544.	1.6	10
121	Monitoring pH and ORP in a SHARON reactor. Water Science and Technology, 2011, 63, 2505-2512.	1.2	10
122	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
123	Assessment of the impact of heavy metals in sediments along the Spanish Mediterranean coastline: pollution indices. Environmental Science and Pollution Research, 2019, 26, 10887-10901.	2.7	10
124	Widening the applicability of AnMBR for urban wastewater treatment through PDMS membranes for dissolved methane capture: Effect of temperature and hydrodynamics. Journal of Environmental Management, 2021, 287, 112344.	3.8	10
125	Study of the Factors Affecting Activated Sludge Settling in Domestic Wastewater Treatment Plants. Water Science and Technology, 1992, 25, 273-279.	1.2	9
126	Using Unfold-PCA for batch-to-batch start-up process understanding and steady-state identification in a sequencing batch reactor. Journal of Chemometrics, 2008, 22, 81-90.	0.7	9

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127	DETECTION AND PREVENTION OF ENHANCED BIOLOGICAL PHOSPHORUS REMOVAL DETERIORATION CAUSED BY ZOOGLOEA OVERABUNDANCE. Environmental Technology (United Kingdom), 2008, 29, 35-42.	1.2	9
128	New methodology for analysing and increasing the cost-efficiency of environmental monitoring networks. Marine Pollution Bulletin, 2014, 86, 161-173.	2.3	9
129	Fate of endocrine disruptor compounds in an anaerobic membrane bioreactor (AnMBR) coupled to an activated sludge reactor. Environmental Science: Water Research and Technology, 2018, 4, 226-233.	1.2	9
130	PLS-based soft-sensor to predict ammonium concentration evolution in hollow fibre membrane contactors for nitrogen recovery. Journal of Water Process Engineering, 2022, 47, 102735.	2.6	9
131	Changes in phytoplankton composition in a <scp>M</scp>editerranean coastal lagoon in the <scp>C</scp>ullera <scp>E</scp>stany (<scp>C</scp>omunitat <scp>V</scp>alenciana,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 8		
132	Behavior of mixed Chlorophyceae cultures under prolonged dark exposure. Respiration rate modeling. Ecological Engineering, 2016, 91, 265-269.	1.6	8
133	Filtration process cost in submerged anaerobic membrane bioreactors (AnMBRs) for urban wastewater treatment. Separation Science and Technology, 2016, 51, 517-524.	1.3	8
134	Kinetic modeling of autotrophic microalgae mainline processes for sewage treatment in phosphorus-replete and -deplete culture conditions. Science of the Total Environment, 2021, 797, 149165.	3.9	8
135	Modeling multiple reactive solute transport with adsorption under equilibrium and nonequilibrium conditions. Advances in Water Resources, 1994, 17, 363-374.	1.7	7
136	Calcium phosphate precipitation in a SBR operated for EBPR: interactions with the biological process. Water Science and Technology, 2008, 58, 427-433.	1.2	7
137	Modeling light and temperature influence on ammonium removal by Scenedesmus sp. under outdoor conditions. Water Science and Technology, 2016, 74, 1964-1970.	1.2	7
138	Energy and environmental impact of an anaerobic membrane bioreactor (AnMBR) demonstration plant treating urban wastewater. , 2020, , 289-310.		7
139	Anaerobic membrane bioreactors for resource recovery from municipal wastewater: a comprehensive review of recent advances. Environmental Science: Water Research and Technology, 2021, 7, 1944-1965.	1.2	7
140	Global sensitivity and uncertainty analysis of a microalgae model for wastewater treatment. Science of the Total Environment, 2022, 806, 150504.	3.9	7
141	Control of activated sludge settleability using preaeration and preprecipitation. Water Research, 1993, 27, 293-296.	5.3	6
142	Integrated analysis for pre-sorting and waste collection schemes implemented in Spanish cities. Waste Management and Research, 2001, 19, 380-390.	2.2	6
143	Preliminary data set to assess the performance of an outdoor membrane photobioreactor. Data in Brief, 2019, 27, 104599.	0.5	6
144	Evaluation of the possibility for phytoplankton monitoring frequency reduction in the coastal waters of the Community of Valencia, in the scope of the Water Framework Directive. Marine Pollution Bulletin, 2012, 64, 1637-1647.	2.3	5

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145	Model performance of partial least squares in utilizing the visible spectroscopy data for estimation of algal biomass in a photobioreactor. Environmental Technology and Innovation, 2018, 10, 122-131.	3.0	5
146	Modeling the decay of nitrite oxidizing bacteria under different reduction potential conditions. Process Biochemistry, 2018, 71, 159-165.	1.8	5
147	Dataset to assess the shadow effect of an outdoor microalgae culture. Data in Brief, 2019, 25, 104143.	0.5	5
148	Design of nutrient removal activated sludge systems. Water Science and Technology, 2003, 47, 115-122.	1.2	4
149	Determination of phytoplankton composition using absorption spectra. Talanta, 2009, 78, 814-819.	2.9	4
150	Use of Biological and Sedimentation Models for Designing PeÃ±Ãscola WWTP. Environmental Technology (United Kingdom), 2004, 25, 681-687.	1.2	3
151	Chlorophyll a, nutrients and phytoplanktonic community in a continental ecosystem highly influenced by marine waters. Journal of Experimental Marine Biology and Ecology, 2013, 442, 30-38.	0.7	3
152	Coastal waters environmental monitoring supported by river basin pluviometry and offshore wave data. Marine Pollution Bulletin, 2015, 92, 80-89.	2.3	3
153	Evaluation of Activated Sludge Model No.2 at High Phosphorus Concentrations. Environmental Technology (United Kingdom), 2001, 22, 497-507.	1.2	1
154	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
155	A mathematical approach to predict the solids concentration in anaerobic membrane bioreactos (AnMBR): Evaluation of the volatile solids solubilization. Journal of Environmental Management, 2020, 271, 110983.	3.8	1
156	Title is missing!. Water, Air, and Soil Pollution, 1997, 94, 349-360.	1.1	0
157	A Steady-State Model for the Design of Biological Wastewater Treatment Facilities. Environmental Technology (United Kingdom), 2000, 21, 733-744.	1.2	0
158	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
159	Calibration Procedure of the Biological Nutrient Removal Model Number 1. Journal of Environmental Engineering, ASCE, 2018, 144, 04017103.	0.7	0