

# Aurora Seco

## List of Publications by Year in descending order

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162  
papers

5,510  
citations

71061

41  
h-index

110317

64  
g-index

162  
all docs

162  
docs citations

162  
times ranked

4620  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microalgae cultivation in wastewater: Nutrient removal from anaerobic membrane bioreactor effluent. <i>Bioresource Technology</i> , 2012, 126, 247-253.	4.8	186
2	A pilot-scale study of struvite precipitation in a stirred tank reactor: Conditions influencing the process. <i>Bioresource Technology</i> , 2008, 99, 6285-6291.	4.8	163
3	Struvite precipitation assessment in anaerobic digestion processes. <i>Chemical Engineering Journal</i> , 2008, 141, 67-74.	6.6	160
4	Experimental study of the anaerobic urban wastewater treatment in a submerged hollow-fibre membrane bioreactor at pilot scale. <i>Bioresource Technology</i> , 2011, 102, 8799-8806.	4.8	159
5	Metabolic shift of polyphosphate-accumulating organisms with different levels of polyphosphate storage. <i>Water Research</i> , 2012, 46, 1889-1900.	5.3	148
6	New frontiers from removal to recycling of nitrogen and phosphorus from wastewater in the Circular Economy. <i>Bioresource Technology</i> , 2020, 300, 122673.	4.8	127
7	Instrumentation and control of anaerobic digestion processes: a review and some research challenges. <i>Reviews in Environmental Science and Biotechnology</i> , 2015, 14, 615-648.	3.9	118
8	Phosphorus recovery by struvite crystallization in WWTPs: Influence of the sludge treatment line operation. <i>Water Research</i> , 2010, 44, 2371-2379.	5.3	117
9	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. <i>Journal of Chemical Technology and Biotechnology</i> , 1997, 68, 23-30.	1.6	116
10	Struvite formation from the supernatants of an anaerobic digestion pilot plant. <i>Bioresource Technology</i> , 2010, 101, 118-125.	4.8	116
11	A review on anaerobic membrane bioreactors (AnMBRs) focused on modelling and control aspects. <i>Bioresource Technology</i> , 2018, 270, 612-626.	4.8	106
12	Cadmium and Zinc Adsorption onto Activated Carbon: Influence of Temperature, pH and Metal/Carbon Ratio. <i>Journal of Chemical Technology and Biotechnology</i> , 1996, 66, 279-285.	1.6	103
13	Single and competitive adsorption of Cd and Zn onto a granular activated carbon. <i>Water Research</i> , 1996, 30, 3050-3060.	5.3	98
14	Methane recovery efficiency in a submerged anaerobic membrane bioreactor (SAnMBR) treating sulphate-rich urban wastewater: Evaluation of methane losses with the effluent. <i>Bioresource Technology</i> , 2012, 118, 67-72.	4.8	95
15	Sewage sludge management for phosphorus recovery as struvite in EBPR wastewater treatment plants. <i>Bioresource Technology</i> , 2008, 99, 4817-4824.	4.8	88
16	An improved sampling strategy based on trajectory design for application of the Morris method to systems with many input factors. <i>Environmental Modelling and Software</i> , 2012, 37, 103-109.	1.9	86
17	The operating cost of an anaerobic membrane bioreactor (AnMBR) treating sulphate-rich urban wastewater. <i>Separation and Purification Technology</i> , 2014, 126, 30-38.	3.9	86
18	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. <i>Journal of Environmental Management</i> , 2016, 166, 45-54.	3.8	69

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19	Biological nutrient removal model No.1 (BNRM1). <i>Water Science and Technology</i> , 2004, 50, 69-70.	1.2	66
20	Effect of pH, cation concentration and sorbent concentration on cadmium and copper removal by a granular activated carbon. <i>Journal of Chemical Technology and Biotechnology</i> , 1999, 74, 911-918.	1.6	64
21	Modelling biological and chemically induced precipitation of calcium phosphate in enhanced biological phosphorus removal systems. <i>Water Research</i> , 2011, 45, 3744-3752.	5.3	64
22	Wastewater nutrient removal in a mixed microalgae-bacteria culture: effect of light and temperature on the microalgae-bacteria competition. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 503-515.	1.2	64
23	Interactions between calcium precipitation and the polyphosphate-accumulating bacteria metabolism. <i>Water Research</i> , 2008, 42, 3415-3424.	5.3	62
24	Nitrite inhibition of microalgae induced by the competition between microalgae and nitrifying bacteria. <i>Water Research</i> , 2020, 172, 115499.	5.3	62
25	DESASS: A software tool for designing, simulating and optimising WWTPs. <i>Environmental Modelling and Software</i> , 2008, 23, 19-26.	1.9	60
26	Using SOM and PCA for analysing and interpreting data from a P-removal SBR. <i>Engineering Applications of Artificial Intelligence</i> , 2008, 21, 919-930.	4.3	57
27	Biological Nutrient Removal Model No. 2 (BNRM2): a general model for wastewater treatment plants. <i>Water Science and Technology</i> , 2013, 67, 1481-1489.	1.2	53
28	Resource recovery from sulphate-rich sewage through an innovative anaerobic-based water resource recovery facility (WRRF). <i>Water Science and Technology</i> , 2018, 78, 1925-1936.	1.2	53
29	Occurrence of priority pollutants in WWTP effluents and Mediterranean coastal waters of Spain. <i>Marine Pollution Bulletin</i> , 2011, 62, 615-625.	2.3	51
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. <i>Bioresource Technology</i> , 2016, 218, 447-454.	4.8	51
31	Cadmium and Copper Removal by a Granular Activated Carbon in Laboratory Column Systems. <i>Separation Science and Technology</i> , 2000, 35, 1039-1053.	1.3	50
32	Relating ions concentration variations to conductivity variations in a sequencing batch reactor operated for enhanced biological phosphorus removal. <i>Environmental Modelling and Software</i> , 2006, 21, 845-851.	1.9	47
33	Microbial community characterization during anaerobic digestion of <i>Scenedesmus</i> spp. under mesophilic and thermophilic conditions. <i>Algal Research</i> , 2017, 27, 121-130.	2.4	47
34	Use of neurofuzzy networks to improve wastewater flow-rate forecasting. <i>Environmental Modelling and Software</i> , 2009, 24, 686-693.	1.9	46
35	Performance of an outdoor membrane photobioreactor for resource recovery from anaerobically treated sewage. <i>Journal of Cleaner Production</i> , 2018, 178, 665-674.	4.6	45
36	Multivariate SPC of a sequencing batch reactor for wastewater treatment. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2007, 85, 82-93.	1.8	44

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37	Environmental impact of submerged anaerobic MBR (SAnMBR) technology used to treat urban wastewater at different temperatures. <i>Bioresource Technology</i> , 2013, 149, 532-540.	4.8	43
38	Design methodology for submerged anaerobic membrane bioreactors (AnMBR): A case study. <i>Separation and Purification Technology</i> , 2015, 141, 378-386.	3.9	43
39	Improving membrane photobioreactor performance by reducing light path: operating conditions and key performance indicators. <i>Water Research</i> , 2020, 172, 115518.	5.3	43
40	Energy saving in the aeration process by fuzzy logic control. <i>Water Science and Technology</i> , 1998, 38, 209.	1.2	42
41	Fermentation and elutriation of primary sludge: Effect of SRT on process performance. <i>Water Research</i> , 2007, 41, 747-756.	5.3	42
42	An advanced control strategy for biological nutrient removal in continuous systems based on pH and ORP sensors. <i>Chemical Engineering Journal</i> , 2012, 183, 212-221.	6.6	42
43	Endocrine disrupter compounds removal in wastewater using microalgae: Degradation kinetics assessment. <i>Chemical Engineering Journal</i> , 2018, 334, 313-321.	6.6	42
44	Effect of light intensity, light duration and photoperiods in the performance of an outdoor photobioreactor for urban wastewater treatment. <i>Algal Research</i> , 2019, 40, 101511.	2.4	42
45	P-recovery in a pilot-scale struvite crystallisation reactor for source separated urine systems using seawater and magnesium chloride as magnesium sources. <i>Science of the Total Environment</i> , 2019, 672, 88-96.	3.9	42
46	A supervisory control system for optimising nitrogen removal and aeration energy consumption in wastewater treatment plants. <i>Water Science and Technology</i> , 2002, 45, 309-316.	1.2	41
47	Removal and fate of endocrine disruptors chemicals under lab-scale posttreatment stage. Removal assessment using light, oxygen and microalgae. <i>Bioresource Technology</i> , 2013, 149, 142-148.	4.8	40
48	Economic and environmental sustainability of an AnMBR treating urban wastewater and organic fraction of municipal solid waste. <i>Journal of Environmental Management</i> , 2016, 179, 83-92.	3.8	40
49	Comparison of different predictive models for nutrient estimation in a sequencing batch reactor for wastewater treatment. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2006, 84, 75-81.	1.8	39
50	A methodology for sequencing batch reactor identification with artificial neural networks: A case study. <i>Computers and Chemical Engineering</i> , 2009, 33, 465-472.	2.0	38
51	Short and long-term experiments on the effect of sulphide on microalgae cultivation in tertiary sewage treatment. <i>Bioresource Technology</i> , 2017, 244, 15-22.	4.8	37
52	PDMS membranes for feasible recovery of dissolved methane from AnMBR effluents. <i>Journal of Membrane Science</i> , 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. <i>Water Science and Technology</i> , 2001, 43, 161-171.	1.2	35
54	An extension of ASM2d including pH calculation. <i>Water Research</i> , 2004, 38, 4029-4038.	5.3	34

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55	Nitrogen recovery using a membrane contactor: Modelling nitrogen and pH evolution. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103880.	3.3	34
56	Optimisation of sludge line management to enhance phosphorus recovery in WWTP. <i>Water Research</i> , 2008, 42, 4609-4618.	5.3	33
57	Effect of pH and HNO <sub>2</sub> concentration on the activity of ammonia-oxidizing bacteria in a partial nitrification reactor. <i>Water Science and Technology</i> , 2013, 67, 2587-2594.	1.2	33
58	The Role of Potassium, Magnesium and Calcium in the Enhanced Biological Phosphorus Removal Treatment Plants. <i>Environmental Technology (United Kingdom)</i> , 2005, 26, 983-992.	1.2	32
59	Alkylphenols and polycyclic aromatic hydrocarbons in eastern Mediterranean Spanish coastal marine bivalves. <i>Environmental Monitoring and Assessment</i> , 2011, 176, 169-181.	1.3	32
60	Anaerobic membrane bioreactors (AnMBR) treating urban wastewater in mild climates. <i>Bioresource Technology</i> , 2020, 314, 123763.	4.8	32
61	A filtration model applied to submerged anaerobic MBRs (SAnMBRs). <i>Journal of Membrane Science</i> , 2013, 444, 139-147.	4.1	31
62	Precipitation assessment in wastewater treatment plants operated for biological nutrient removal: A case study in Murcia, Spain. <i>Journal of Environmental Management</i> , 2009, 90, 850-857.	3.8	30
63	Nonlinear control of an activated sludge aeration process: use of fuzzy techniques for tuning PID controllers. <i>ISA Transactions</i> , 1999, 38, 231-241.	3.1	29
64	Effect of intracellular P content on phosphate removal in <i>Scenedesmus</i> sp. Experimental study and kinetic expression. <i>Bioresource Technology</i> , 2015, 175, 325-332.	4.8	29
65	Acclimatised rumen culture for raw microalgae conversion into biogas: Linking microbial community structure and operational parameters in anaerobic membrane bioreactors (AnMBR). <i>Bioresource Technology</i> , 2019, 290, 121787.	4.8	29
66	Co-digestion of harvested microalgae and primary sludge in a mesophilic anaerobic membrane bioreactor (AnMBR): Methane potential and microbial diversity. <i>Bioresource Technology</i> , 2020, 298, 122521.	4.8	29
67	Sludge management modeling to enhance P-recovery as struvite in wastewater treatment plants. <i>Journal of Environmental Management</i> , 2017, 196, 340-346.	3.8	28
68	Performance of a membrane-coupled high-rate algal pond for urban wastewater treatment at demonstration scale. <i>Bioresource Technology</i> , 2020, 301, 122672.	4.8	28
69	Micropollutants removal in an anaerobic membrane bioreactor and in an aerobic conventional treatment plant. <i>Water Science and Technology</i> , 2012, 65, 2242-2250.	1.2	27
70	A new strategy to maximize organic matter valorization in municipalities: Combination of urban wastewater with kitchen food waste and its treatment with AnMBR technology. <i>Waste Management</i> , 2017, 62, 274-289.	3.7	27
71	Outdoor flat-panel membrane photobioreactor to treat the effluent of an anaerobic membrane bioreactor. Influence of operating, design, and environmental conditions. <i>Water Science and Technology</i> , 2018, 78, 195-206.	1.2	27
72	Optimum design and operation of primary sludge fermentation schemes for volatile fatty acids production. <i>Water Research</i> , 2006, 40, 53-60.	5.3	26

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73	Effect of pH, substrate and free nitrous acid concentrations on ammonium oxidation rate. <i>Bioresource Technology</i> , 2012, 124, 478-484.	4.8	25
74	AnMBR, reclaimed water and fertigation: Two case studies in Italy and Spain to assess economic and technological feasibility and CO <sub>2</sub> emissions within the EU Innovation Deal initiative. <i>Journal of Cleaner Production</i> , 2020, 270, 122398.	4.6	25
75	An integral approach to sludge handling in a WWTP operated for EBPR aiming phosphorus recovery: Simulation of alternatives, LCA and LCC analyses. <i>Water Research</i> , 2020, 175, 115647.	5.3	25
76	Real-time control strategy for nitrogen removal via nitrite in a SHARON reactor using pH and ORP sensors. <i>Process Biochemistry</i> , 2012, 47, 1510-1515.	1.8	24
77	Fermentation of Municipal Primary Sludge: Effect of Srt and Solids Concentration on Volatile Fatty Acid Production. <i>Environmental Technology (United Kingdom)</i> , 2002, 23, 863-875.	1.2	23
78	Anaerobic treatment of urban wastewater in membrane bioreactors: evaluation of seasonal temperature variations. <i>Water Science and Technology</i> , 2014, 69, 1581-1588.	1.2	23
79	Exploring the limits of anaerobic biodegradability of urban wastewater by AnMBR technology. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 1877-1887.	1.2	23
80	Study of the Adsorption of Cd and Zn onto an Activated Carbon: Influence of pH, Cation Concentration, and Adsorbent Concentration. <i>Separation Science and Technology</i> , 1999, 34, 1577-1593.	1.3	22
81	Model-based automatic tuning of a filtration control system for submerged anaerobic membrane bioreactors (AnMBR). <i>Journal of Membrane Science</i> , 2014, 465, 14-26.	4.1	22
82	The Effect of Sludge Age on the Deterioration of the Enhanced Biological Phosphorus Removal Process. <i>Environmental Technology (United Kingdom)</i> , 1999, 20, 1055-1063.	1.2	21
83	Potential use of the organic fraction of municipal solid waste in anaerobic co-digestion with wastewater in submerged anaerobic membrane technology. <i>Waste Management</i> , 2016, 56, 158-165.	3.7	21
84	Assessment of cross-flow filtration as microalgae harvesting technique prior to anaerobic digestion: Evaluation of biomass integrity and energy demand. <i>Bioresource Technology</i> , 2018, 269, 188-194.	4.8	21
85	Unveiling microbial structures during raw microalgae digestion and co-digestion with primary sludge to produce biogas using semi-continuous AnMBR systems. <i>Science of the Total Environment</i> , 2020, 699, 134365.	3.9	21
86	A systematic approach for fine-tuning of fuzzy controllers applied to WWTPs. <i>Environmental Modelling and Software</i> , 2010, 25, 670-676.	1.9	20
87	Short-term effect of ammonia concentration and salinity on activity of ammonia oxidizing bacteria. <i>Water Science and Technology</i> , 2010, 61, 3008-3016.	1.2	20
88	Study of the influence of temperature and precipitations on the levels of BTEX in natural waters. <i>Journal of Hazardous Materials</i> , 2013, 263, 131-138.	6.5	20
89	Calcium effect on enhanced biological phosphorus removal. <i>Water Science and Technology</i> , 2006, 53, 29-37.	1.2	19
90	Low cost-sensors as a real alternative to on-line nitrogen analysers in continuous systems. <i>Water Science and Technology</i> , 2009, 60, 3261-3268.	1.2	19

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91	Effect of temperature on ammonium removal in <i>Scenedesmus</i> sp.. <i>Bioresource Technology</i> , 2015, 191, 346-349.	4.8	19
92	Influence of food waste addition over microbial communities in an Anaerobic Membrane Bioreactor plant treating urban wastewater. <i>Journal of Environmental Management</i> , 2018, 217, 788-796.	3.8	19
93	Monitoring pH and electric conductivity in an EBPR sequencing batch reactor. <i>Water Science and Technology</i> , 2004, 50, 145-152.	1.2	18
94	Mixed microalgae culture for ammonium removal in the absence of phosphorus: Effect of phosphorus supplementation and process modeling. <i>Process Biochemistry</i> , 2014, 49, 2249-2257.	1.8	18
95	Instrumentation, control, and automation for submerged anaerobic membrane bioreactors. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 1795-1806.	1.2	18
96	A plant-wide energy model for wastewater treatment plants: application to anaerobic membrane bioreactor technology. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 2298-2315.	1.2	18
97	Mathematical modelling of filtration in submerged anaerobic MBRs (SAnMBRs): Long-term validation. <i>Journal of Membrane Science</i> , 2013, 446, 303-309.	4.1	17
98	Use of rumen microorganisms to boost the anaerobic biodegradability of microalgae. <i>Algal Research</i> , 2017, 24, 309-316.	2.4	17
99	Comprehensive assessment of the microalgae-nitrifying bacteria competition in microalgae-based wastewater treatment systems: Relevant factors, evaluation methods and control strategies. <i>Algal Research</i> , 2022, 61, 102563.	2.4	17
100	A semi-industrial scale AnMBR for municipal wastewater treatment at ambient temperature: performance of the biological process. <i>Water Research</i> , 2022, 215, 118249.	5.3	17
101	Calibration and Validation of Activated Sludge Model No.2d for Spanish Municipal Wastewater. <i>Environmental Technology (United Kingdom)</i> , 2002, 23, 849-862.	1.2	16
102	On-line monitoring of photosynthetic activity based on pH data to assess microalgae cultivation. <i>Journal of Environmental Management</i> , 2020, 276, 111343.	3.8	16
103	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. <i>Separation and Purification Technology</i> , 2021, 275, 119128.	3.9	16
104	Calibration of denitrifying activity of polyphosphate accumulating organisms in an extended ASM2d model. <i>Water Research</i> , 2010, 44, 5284-5297.	5.3	15
105	Reliable method for assessing the COD mass balance of a submerged anaerobic membrane bioreactor (SAMBR) treating sulphate-rich municipal wastewater. <i>Water Science and Technology</i> , 2012, 66, 494-502.	1.2	15
106	Removal of algae from biological cultures: a challenge for electrocoagulation?. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 82-87.	1.6	15
107	Selecting the most suitable microalgae species to treat the effluent from an anaerobic membrane bioreactor. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 267-276.	1.2	15
108	Identification and quantification of microbial populations in activated sludge and anaerobic digestion processes. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 45-53.	1.2	14



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109	Effect of sludge age on microbial consortia developed in MFCs. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1290-1299.	1.6	14
110	Anaerobic membrane bioreactor (AnMBR) scale-up from laboratory to pilot-scale for microalgae and primary sludge co-digestion: Biological and filtration assessment. <i>Bioresource Technology</i> , 2020, 316, 123930.	4.8	14
111	Outdoor microalgae-based urban wastewater treatment: Recent advances, applications, and future perspectives. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021, 8, e1518.	2.8	14
112	Calibration and simulation of ASM2d at different temperatures in a phosphorus removal pilot plant. <i>Water Science and Technology</i> , 2006, 53, 199-206.	1.2	13
113	Global sensitivity analysis of a filtration model for submerged anaerobic membrane bioreactors (AnMBR). <i>Bioresource Technology</i> , 2014, 158, 365-373.	4.8	13
114	Effect of long residence time and high temperature over anaerobic biodegradation of <i>Scenedesmus</i> microalgae grown in wastewater. <i>Journal of Environmental Management</i> , 2018, 218, 425-434.	3.8	13
115	Thermophilic anaerobic conversion of raw microalgae: Microbial community diversity in high solids retention systems. <i>Algal Research</i> , 2019, 41, 101533.	2.4	13
116	Assessing and modeling nitrite inhibition in microalgae-bacteria consortia for wastewater treatment by means of photo-respirometric and chlorophyll fluorescence techniques. <i>Science of the Total Environment</i> , 2022, 808, 152128.	3.9	13
117	Influence of sludge age on enhanced phosphorus removal in biological systems. <i>Water Science and Technology</i> , 1996, 34, 41.	1.2	12
118	Real-time optimization of the key filtration parameters in an AnMBR: Urban wastewater mono-digestion vs. co-digestion with domestic food waste. <i>Waste Management</i> , 2018, 80, 299-309.	3.7	12
119	Plant-wide modelling in wastewater treatment: showcasing experiences using the Biological Nutrient Removal Model. <i>Water Science and Technology</i> , 2020, 81, 1700-1714.	1.2	12
120	A software for the integrated design of wastewater treatment plants. <i>Environmental Modelling and Software</i> , 1998, 13, 31-44.	1.9	11
121	Modelling of an Activated Primary Settling Tank Including the Fermentation Process and VFA Elutriation. <i>Environmental Technology (United Kingdom)</i> , 2002, 23, 1147-1156.	1.2	11
122	Effect of pH on biological phosphorus uptake. <i>Biotechnology and Bioengineering</i> , 2006, 95, 875-882.	1.7	11
123	Application of the general model "Biological Nutrient Removal Model No. 1"™ to upgrade two full-scale WWTPs. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 1005-1012.	1.2	11
124	Treatment of a submerged anaerobic membrane bioreactor (SANMBR) effluent by an activated sludge system: The role of sulphide and thiosulphate in the process. <i>Journal of Environmental Management</i> , 2015, 147, 213-218.	3.8	11
125	Characterization of activated sludge settling properties with a sludge collapse-acceleration stage. <i>Separation and Purification Technology</i> , 2019, 209, 32-41.	3.9	11
126	Production of microalgal external organic matter in a <i>Chlorella</i> -dominated culture: influence of temperature and stress factors. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1828-1841.	1.2	11



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127	Insights into the biological process performance and microbial diversity during thermophilic microalgae co-digestion in an anaerobic membrane bioreactor (AnMBR). <i>Algal Research</i> , 2020, 50, 101981.	2.4	11
128	Isobaric Vapor-Liquid Equilibria of 1-Butanol + N,N-Dimethylformamide and 1-Pentanol + N,N-Dimethylformamide Systems at 50.00 and 100.00 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , 1995, 40, 589-592.	1.0	10
129	Wastewater COD characterization: analysis of respirometric and physical-chemical methods for determining biodegradable organic matter fractions. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 536-544.	1.6	10
130	Monitoring pH and ORP in a SHARON reactor. <i>Water Science and Technology</i> , 2011, 63, 2505-2512.	1.2	10
131	Widening the applicability of AnMBR for urban wastewater treatment through PDMS membranes for dissolved methane capture: Effect of temperature and hydrodynamics. <i>Journal of Environmental Management</i> , 2021, 287, 112344.	3.8	10
132	Study of the Factors Affecting Activated Sludge Settling in Domestic Wastewater Treatment Plants. <i>Water Science and Technology</i> , 1992, 25, 273-279.	1.2	9
133	Application of a fuzzy algorithm for pH control in a struvite crystallisation reactor. <i>Water Science and Technology</i> , 2006, 53, 161-168.	1.2	9
134	Using Unfold-PCA for batch-to-batch start-up process understanding and steady-state identification in a sequencing batch reactor. <i>Journal of Chemometrics</i> , 2008, 22, 81-90.	0.7	9
135	DETECTION AND PREVENTION OF ENHANCED BIOLOGICAL PHOSPHORUS REMOVAL DETERIORATION CAUSED BY ZOOGLAEA OVERABUNDANCE. <i>Environmental Technology (United Kingdom)</i> , 2008, 29, 35-42.	1.2	9
136	Enrichment of AOB and NOB Population by Applying a BABE Reactor in an Activated Sludge Pilot Plant. <i>Water Environment Research</i> , 2015, 87, 369-377.	1.3	9
137	Fate of endocrine disruptor compounds in an anaerobic membrane bioreactor (AnMBR) coupled to an activated sludge reactor. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 226-233.	1.2	9
138	Process understanding of a wastewater batch reactor with block-wise PLS. <i>Environmetrics</i> , 2007, 18, 551-560.	0.6	8
139	Behavior of mixed Chlorophyceae cultures under prolonged dark exposure. Respiration rate modeling. <i>Ecological Engineering</i> , 2016, 91, 265-269.	1.6	8
140	Filtration process cost in submerged anaerobic membrane bioreactors (AnMBRs) for urban wastewater treatment. <i>Separation Science and Technology</i> , 2016, 51, 517-524.	1.3	8
141	Kinetic modeling of autotrophic microalgae mainline processes for sewage treatment in phosphorus-replete and -deplete culture conditions. <i>Science of the Total Environment</i> , 2021, 797, 149165.	3.9	8
142	Modeling multiple reactive solute transport with adsorption under equilibrium and nonequilibrium conditions. <i>Advances in Water Resources</i> , 1994, 17, 363-374.	1.7	7
143	Calcium phosphate precipitation in a SBR operated for EBPR: interactions with the biological process. <i>Water Science and Technology</i> , 2008, 58, 427-433.	1.2	7
144	Modeling light and temperature influence on ammonium removal by <i>Scenedesmus</i> sp. under outdoor conditions. <i>Water Science and Technology</i> , 2016, 74, 1964-1970.	1.2	7

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145	Energy and environmental impact of an anaerobic membrane bioreactor (AnMBR) demonstration plant treating urban wastewater. , 2020, , 289-310.		7
146	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
147	Global sensitivity and uncertainty analysis of a microalgae model for wastewater treatment. Science of the Total Environment, 2022, 806, 150504.	3.9	7
148	Control of activated sludge settleability using preaeration and preprecipitation. Water Research, 1993, 27, 293-296.	5.3	6
149	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
150	Dataset to assess the shadow effect of an outdoor microalgae culture. Data in Brief, 2019, 25, 104143.	0.5	5
151	Design of nutrient removal activated sludge systems. Water Science and Technology, 2003, 47, 115-122.	1.2	4
152	Use of Biological and Sedimentation Models for Designing Peñíscola WWTP. Environmental Technology (United Kingdom), 2004, 25, 681-687.	1.2	3
153	Guidelines for alkylphenols estimation as alkylphenol polyethoxylates pollution indicator in wastewater treatment plant effluents. Analytical Methods, 2013, 5, 2209.	1.3	3
154	Biological nutrient removal model No.1 (BNRM1). Water Science and Technology, 2004, 50, 69-78.	1.2	2
155	Evaluation of Activated Sludge Model No.2 at High Phosphorus Concentrations. Environmental Technology (United Kingdom), 2001, 22, 497-507.	1.2	1
156	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
157	A mathematical approach to predict the solids concentration in anaerobic membrane bioreactors (AnMBR): Evaluation of the volatile solids solubilization. Journal of Environmental Management, 2020, 271, 110983.	3.8	1
158	Advanced HRT-Controller Aimed at Optimising Nitrogen Recovery by Microalgae: Application in an Outdoor Flat-Panel Membrane Photobioreactor. ChemEngineering, 2022, 6, 24.	1.0	1
159	Title is missing!. Water, Air, and Soil Pollution, 1997, 94, 349-360.	1.1	0
160	A Steady-State Model for the Design of Biological Wastewater Treatment Facilities. Environmental Technology (United Kingdom), 2000, 21, 733-744.	1.2	0
161	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
162	Calibration Procedure of the Biological Nutrient Removal Model Number 1. Journal of Environmental Engineering, ASCE, 2018, 144, 04017103.	0.7	0