

Jose Ferrer

List of Publications by Year in descending order

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159
papers

5,271
citations

71061

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118793

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159
all docs

159
docs citations

159
times ranked

4510
citing authors

#	ARTICLE	IF	CITATIONS
1	Global sensitivity and uncertainty analysis of a microalgae model for wastewater treatment. <i>Science of the Total Environment</i> , 2022, 806, 150504.	3.9	7
2	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
3	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
4	PLS-based soft-sensor to predict ammonium concentration evolution in hollow fibre membrane contactors for nitrogen recovery. <i>Journal of Water Process Engineering</i> , 2022, 47, 102735.	2.6	9
5	Anaerobic membrane bioreactors for resource recovery from municipal wastewater: a comprehensive review of recent advances. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 1944-1965.	1.2	7
6	Outdoor microalgae-based urban wastewater treatment: Recent advances, applications, and future perspectives. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021, 8, e1518.	2.8	14
7	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
8	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
9	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
10	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
11	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
12	Continuous 3-year outdoor operation of a flat-panel membrane photobioreactor to treat effluent from an anaerobic membrane bioreactor. <i>Water Research</i> , 2020, 169, 115238.	5.3	22
13	Anaerobic membrane bioreactors (AnMBR) treating urban wastewater in mild climates. <i>Bioresource Technology</i> , 2020, 314, 123763.	4.8	32
14	Modeling the anaerobic treatment of sulfate-rich urban wastewater: Application to AnMBR technology. <i>Water Research</i> , 2020, 184, 116133.	5.3	16
15	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
16	AnMBR, reclaimed water and fertigation: Two case studies in Italy and Spain to assess economic and technological feasibility and CO ₂ emissions within the EU Innovation Deal initiative. <i>Journal of Cleaner Production</i> , 2020, 270, 122398.	4.6	25
17	Microalgae-bacteria consortia in high-rate ponds for treating urban wastewater: Elucidating the key state indicators under dynamic conditions. <i>Journal of Environmental Management</i> , 2020, 261, 110244.	3.8	35
18	Energy and environmental impact of an anaerobic membrane bioreactor (AnMBR) demonstration plant treating urban wastewater. , 2020, , 289-310.		7

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19	A mathematical approach to predict the solids concentration in anaerobic membrane bioreactors (AnMBR): Evaluation of the volatile solids solubilization. <i>Journal of Environmental Management</i> , 2020, 271, 110983.	3.8	1
20	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
21	Nitrogen recovery using a membrane contactor: Modelling nitrogen and pH evolution. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103880.	3.3	34
22	PDMS membranes for feasible recovery of dissolved methane from AnMBR effluents. <i>Journal of Membrane Science</i> , 2020, 604, 118070.	4.1	37
23	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
24	Dataset to assess the shadow effect of an outdoor microalgae culture. <i>Data in Brief</i> , 2019, 25, 104143.	0.5	5
25	Effect of ambient temperature variations on an indigenous microalgae-nitrifying bacteria culture dominated by <i>Chlorella</i> . <i>Bioresource Technology</i> , 2019, 290, 121788.	4.8	49
26	Preliminary data set to assess the performance of an outdoor membrane photobioreactor. <i>Data in Brief</i> , 2019, 27, 104599.	0.5	6
27	Optimising an outdoor membrane photobioreactor for tertiary sewage treatment. <i>Journal of Environmental Management</i> , 2019, 245, 76-85.	3.8	50
28	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
29	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
30	Assessment of the impact of heavy metals in sediments along the Spanish Mediterranean coastline: pollution indices. <i>Environmental Science and Pollution Research</i> , 2019, 26, 10887-10901.	2.7	10
31	Model performance of partial least squares in utilizing the visible spectroscopy data for estimation of algal biomass in a photobioreactor. <i>Environmental Technology and Innovation</i> , 2018, 10, 122-131.	3.0	5
32	Understanding the performance of an AnMBR treating urban wastewater and food waste via model simulation and characterization of the microbial population dynamics. <i>Process Biochemistry</i> , 2018, 67, 139-146.	1.8	19
33	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
34	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
35	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
36	Endocrine disrupter compounds removal in wastewater using microalgae: Degradation kinetics assessment. <i>Chemical Engineering Journal</i> , 2018, 334, 313-321.	6.6	42

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37	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
38	Calibration Procedure of the Biological Nutrient Removal Model Number 1. <i>Journal of Environmental Engineering, ASCE</i> , 2018, 144, 04017103.	0.7	0
39	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
40	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
41	A review on anaerobic membrane bioreactors (AnMBRs) focused on modelling and control aspects. <i>Bioresource Technology</i> , 2018, 270, 612-626.	4.8	106
42	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
43	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
44	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
45	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
46	Modeling the decay of nitrite oxidizing bacteria under different reduction potential conditions. <i>Process Biochemistry</i> , 2018, 71, 159-165.	1.8	5
47	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
48	Use of rumen microorganisms to boost the anaerobic biodegradability of microalgae. <i>Algal Research</i> , 2017, 24, 309-316.	2.4	17
49	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
50	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
51	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
52	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
53	Behavior of mixed Chlorophyceae cultures under prolonged dark exposure. Respiration rate modeling. <i>Ecological Engineering</i> , 2016, 91, 265-269.	1.6	8
54	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

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55	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
56	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
57	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
58	Effect of temperature on ammonium removal in <i>Scenedesmus</i> sp.. <i>Bioresource Technology</i> , 2015, 191, 346-349.	4.8	19
59	Designing an AnMBR-based WWTP for energy recovery from urban wastewater: The role of primary settling and anaerobic digestion. <i>Separation and Purification Technology</i> , 2015, 156, 132-139.	3.9	27
60	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
61	Design methodology for submerged anaerobic membrane bioreactors (AnMBR): A case study. <i>Separation and Purification Technology</i> , 2015, 141, 378-386.	3.9	43
62	Coastal waters environmental monitoring supported by river basin pluviometry and offshore wave data. <i>Marine Pollution Bulletin</i> , 2015, 92, 80-89.	2.3	3
63	Instrumentation, control, and automation for submerged anaerobic membrane bioreactors. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 1795-1806.	1.2	18
64	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
65	Navigating environmental, economic, and technological trade-offs in the design and operation of submerged anaerobic membrane bioreactors (AnMBRs). <i>Water Research</i> , 2015, 87, 531-541.	5.3	55
66	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
67	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
68	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
69	Changes in phytoplankton composition in a Mediterranean coastal lagoon in the Balearic Islands (Mallorca). <i>Hydrobiologia</i> , 2014, 724, 1-12.	1.2	10
70	Global sensitivity analysis of a filtration model for submerged anaerobic membrane bioreactors (AnMBR). <i>Bioresource Technology</i> , 2014, 158, 365-373.	4.8	13
71	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
72	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

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73	New methodology for analysing and increasing the cost-efficiency of environmental monitoring networks. <i>Marine Pollution Bulletin</i> , 2014, 86, 161-173.	2.3	9
74	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
75	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
76	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
77	Performance of industrial scale hollow-fibre membranes in a submerged anaerobic MBR (HF-SAnMBR) system at mesophilic and psychrophilic conditions. <i>Separation and Purification Technology</i> , 2013, 104, 290-296.	3.9	34
78	Factors that affect the permeability of commercial hollow-fibre membranes in a submerged anaerobic MBR (HF-SAnMBR) system. <i>Water Research</i> , 2013, 47, 1277-1288.	5.3	68
79	A filtration model applied to submerged anaerobic MBRs (SAnMBRs). <i>Journal of Membrane Science</i> , 2013, 444, 139-147.	4.1	31
80	Chlorophyll a, nutrients and phytoplanktonic community in a continental ecosystem highly influenced by marine waters. <i>Journal of Experimental Marine Biology and Ecology</i> , 2013, 442, 30-38.	0.7	3
81	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
82	Advanced control system for optimal filtration in submerged anaerobic MBRs (SAnMBRs). <i>Journal of Membrane Science</i> , 2013, 430, 330-341.	4.1	26
83	Glophymed: An index to establish the ecological status for the Water Framework Directive based on phytoplankton in coastal waters. <i>Marine Pollution Bulletin</i> , 2013, 75, 218-223.	2.3	21
84	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
85	Effect of pH and HNO ₂ 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
86	Influence of total solids concentration on membrane permeability in a submerged hollow-fibre anaerobic membrane bioreactor. <i>Water Science and Technology</i> , 2012, 66, 377-384.	1.2	10
87	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
88	A voltammetric electronic tongue as tool for water quality monitoring in wastewater treatment plants. <i>Water Research</i> , 2012, 46, 2605-2614.	5.3	86
89	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
90	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

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91	Effect of pH, substrate and free nitrous acid concentrations on ammonium oxidation rate. <i>Bioresource Technology</i> , 2012, 124, 478-484.	4.8	25
92	Microalgae cultivation in wastewater: Nutrient removal from anaerobic membrane bioreactor effluent. <i>Bioresource Technology</i> , 2012, 126, 247-253.	4.8	186
93	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
94	Sub-critical long-term operation of industrial scale hollow-fibre membranes in a submerged anaerobic MBR (HF-SAnMBR) system. <i>Separation and Purification Technology</i> , 2012, 100, 88-96.	3.9	25
95	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
96	Sub-critical filtration conditions of commercial hollow-fibre membranes in a submerged anaerobic MBR (HF-SAnMBR) system: The effect of gas sparging intensity. <i>Bioresource Technology</i> , 2012, 114, 247-254.	4.8	60
97	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. <i>Marine Pollution Bulletin</i> , 2012, 64, 1637-1647.	2.3	5
98	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
99	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
100	Effect of pH and nitrite concentration on nitrite oxidation rate. <i>Bioresource Technology</i> , 2011, 102, 8741-8747.	4.8	54
101	Application of the Morris method for screening the influential parameters of fuzzy controllers applied to wastewater treatment plants. <i>Water Science and Technology</i> , 2011, 63, 2199-2206.	1.2	48
102	Monitoring pH and ORP in a SHARON reactor. <i>Water Science and Technology</i> , 2011, 63, 2505-2512.	1.2	10
103	DSC: software tool for simulation-based design of control strategies applied to wastewater treatment plants. <i>Water Science and Technology</i> , 2011, 63, 796-803.	1.2	1
104	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
105	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
106	Struvite formation from the supernatants of an anaerobic digestion pilot plant. <i>Bioresource Technology</i> , 2010, 101, 118-125.	4.8	116
107	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
108	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

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109	Calibration of denitrifying activity of polyphosphate accumulating organisms in an extended ASM2d model. <i>Water Research</i> , 2010, 44, 5284-5297.	5.3	15
110	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
111	Use of neurofuzzy networks to improve wastewater flow-rate forecasting. <i>Environmental Modelling and Software</i> , 2009, 24, 686-693.	1.9	46
112	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
113	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
114	Determination of phytoplankton composition using absorption spectra. <i>Talanta</i> , 2009, 78, 814-819.	2.9	4
115	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
116	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
117	DESASS: A software tool for designing, simulating and optimising WWTPs. <i>Environmental Modelling and Software</i> , 2008, 23, 19-26.	1.9	60
118	Struvite precipitation assessment in anaerobic digestion processes. <i>Chemical Engineering Journal</i> , 2008, 141, 67-74.	6.6	160
119	Interactions between calcium precipitation and the polyphosphate-accumulating bacteria metabolism. <i>Water Research</i> , 2008, 42, 3415-3424.	5.3	62
120	Optimisation of sludge line management to enhance phosphorus recovery in WWTP. <i>Water Research</i> , 2008, 42, 4609-4618.	5.3	33
121	DETECTION AND PREVENTION OF ENHANCED BIOLOGICAL PHOSPHORUS REMOVAL DETERIORATION CAUSED BY ZOOGLOEA OVERABUNDANCE. <i>Environmental Technology (United Kingdom)</i> , 2008, 29, 35-42.	1.2	9
122	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
123	Fermentation and elutriation of primary sludge: Effect of SRT on process performance. <i>Water Research</i> , 2007, 41, 747-756.	5.3	42
124	Multivariate SPC of a sequencing batch reactor for wastewater treatment. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2007, 85, 82-93.	1.8	44
125	Calcium effect on enhanced biological phosphorus removal. <i>Water Science and Technology</i> , 2006, 53, 29-37.	1.2	19
126	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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127	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
128	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
129	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
130	Effect of pH on biological phosphorus uptake. <i>Biotechnology and Bioengineering</i> , 2006, 95, 875-882.	1.7	11
131	Simple Rule-Based Algorithm for Optimizing Volatile Fatty Acids Production in Primary Sludge Fermentation Schemes. <i>Journal of Environmental Engineering, ASCE</i> , 2006, 132, 1439-1446.	0.7	0
132	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
133	Calibration and simulation of two large wastewater treatment plants operated for nutrient removal. <i>Water Science and Technology</i> , 2004, 50, 87-94.	1.2	72
134	Biological nutrient removal model No.1 (BNRM1). <i>Water Science and Technology</i> , 2004, 50, 69-70.	1.2	66
135	Use of Biological and Sedimentation Models for Designing Peñíscola WWTP. <i>Environmental Technology (United Kingdom)</i> , 2004, 25, 681-687.	1.2	3
136	An extension of ASM2d including pH calculation. <i>Water Research</i> , 2004, 38, 4029-4038.	5.3	34
137	Design of nutrient removal activated sludge systems. <i>Water Science and Technology</i> , 2003, 47, 115-122.	1.2	4
138	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
139	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
140	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
141	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
142	Integrated analysis for pre-sorting and waste collection schemes implemented in Spanish cities. <i>Waste Management and Research</i> , 2001, 19, 380-390.	2.2	6
143	Evaluation of Activated Sludge Model No.2 at High Phosphorus Concentrations. <i>Environmental Technology (United Kingdom)</i> , 2001, 22, 497-507.	1.2	1
144	A Steady-State Model for the Design of Biological Wastewater Treatment Facilities. <i>Environmental Technology (United Kingdom)</i> , 2000, 21, 733-744.	1.2	0

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145	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
146	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
147	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
148	Energy saving in the aeration process by fuzzy logic control. <i>Water Science and Technology</i> , 1998, 38, 209.	1.2	42
149	A software for the integrated design of wastewater treatment plants. <i>Environmental Modelling and Software</i> , 1998, 13, 31-44.	1.9	11
150	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
151	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 1997, 94, 349-360.	1.1	0
152	Single and competitive adsorption of Cd and Zn onto a granular activated carbon. <i>Water Research</i> , 1996, 30, 3050-3060.	5.3	98
153	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
154	Influence of sludge age on enhanced phosphorus removal in biological systems. <i>Water Science and Technology</i> , 1996, 34, 41.	1.2	12
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156	Control of activated sludge settleability using preaeration and preprecipitation. <i>Water Research</i> , 1993, 27, 293-296.	5.3	6
157	Molinate decontamination processes in effluent water from rice fields. <i>Science of the Total Environment</i> , 1992, 123-124, 219-232.	3.9	11
158	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
159	Simulation of salt waterâ€“fresh water interface motion. <i>Water Resources Research</i> , 1983, 19, 61-68.	1.7	30