# Aurora Seco

## List of Publications by Year in descending order

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Version: 2024-02-01

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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 | Global sensitivity and uncertainty analysis of a microalgae model for wastewater treatment. Science of the Total Environment, 2022, 806, 150504. | 3.9 | 7 |
| 2 | Comprehensive assessment of the microalgae-nitrifying bacteria competition in microalgae-based wastewater treatment systems: Relevant factors, evaluation methods and control strategies. Algal Research, 2022, 61, 102563. | 2.4 | 17 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | Outdoor microalgaeâ€based urban wastewater treatment: Recent advances, applications, and future perspectives. Wiley Interdisciplinary Reviews: Water, 2021, 8, e1518. | 2.8 | 14 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | Selecting the most suitable microalgae species to treat the effluent from an anaerobic membrane bioreactor. Environmental Technology (United Kingdom), 2020, 41, 267-276. | 1.2 | 15 |
| 12 | Unveiling microbial structures during raw microalgae digestion and co-digestion with primary sludge to produce biogas using semi-continuous AnMBR systems. Science of the Total Environment, 2020, 699, 134365. | 3.9 | 21 |
| 13 | Performance of a membrane-coupled high-rate algal pond for urban wastewater treatment at demonstration scale. Bioresource Technology, 2020, 301, 122672. | 4.8 | 28 |
| 14 | New frontiers from removal to recycling of nitrogen and phosphorus from wastewater in the Circular Economy. Bioresource Technology, 2020, 300, 122673. | 4.8 | 127 |
| 15 | Co-digestion of harvested microalgae and primary sludge in a mesophilic anaerobic membrane bioreactor (AnMBR): Methane potential and microbial diversity. Bioresource Technology, 2020, 298, 122521. | 4.8 | 29 |
| 16 | Anaerobic membrane bioreactors (AnMBR) treating urban wastewater in mild climates. Bioresource Technology, 2020, 314, 123763. | 4.8 | 32 |
| 17 | Anaerobic membrane bioreactor (AnMBR) scale-up from laboratory to pilot-scale for microalgae and primary sludge co-digestion: Biological and filtration assessment. Bioresource Technology, 2020, 316, 123930. | 4.8 | 14 |
| 18 | On-line monitoring of photosynthetic activity based on pH data to assess microalgae cultivation. Journal of Environmental Management, 2020, 276, 111343. | 3.8 | 16 |

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| 19 | Production of microalgal external organic matter in a Chlorella-dominated culture: influence of temperature and stress factors. Environmental Science: Water Research and Technology, 2020, 6, 1828-1841. | 1.2 | 11 |
| 20 | 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 |
| 21 | Energy and environmental impact of an anaerobic membrane bioreactor (AnMBR) demonstration plant treating urban wastewater. , 2020, , 289-310. | | 7 |
| 22 | 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 |
| 23 | Insights into the biological process performance and microbial diversity during thermophilic microalgae co-digestion in an anaerobic membrane bioreactor (AnMBR). Algal Research, 2020, 50, 101981. | 2.4 | 11 |
| 24 | An integral approach to sludge handling in a WWTP operated for EBPR aiming phosphorus recovery: Simulation of alternatives, LCA and LCC analyses. Water Research, 2020, 175, 115647. | 5.3 | 25 |
| 25 | 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 |
| 26 | Improving membrane photobioreactor performance by reducing light path: operating conditions and key performance indicators. Water Research, 2020, 172, 115518. | 5.3 | 43 |
| 27 | Nitrite inhibition of microalgae induced by the competition between microalgae and nitrifying bacteria. Water Research, 2020, 172, 115499. | 5.3 | 62 |
| 28 | Nitrogen recovery using a membrane contactor: Modelling nitrogen and pH evolution. Journal of Environmental Chemical Engineering, 2020, 8, 103880. | 3.3 | 34 |
| 29 | PDMS membranes for feasible recovery of dissolved methane from AnMBR effluents. Journal of Membrane Science, 2020, 604, 118070. | 4.1 | 37 |
| 30 | Characterization of activated sludge settling properties with a sludge collapse-acceleration stage. Separation and Purification Technology, 2019, 209, 32-41. | 3.9 | 11 |
| 31 | Dataset to assess the shadow effect of an outdoor microalgae culture. Data in Brief, 2019, 25, 104143. | 0.5 | 5 |
| 32 | Acclimatised rumen culture for raw microalgae conversion into biogas: Linking microbial community structure and operational parameters in anaerobic membrane bioreactors (AnMBR). Bioresource Technology, 2019, 290, 121787. | 4.8 | 29 |
| 33 | 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 |
| 34 | Thermophilic anaerobic conversion of raw microalgae: Microbial community diversity in high solids retention systems. Algal Research, 2019, 41, 101533. | 2.4 | 13 |
| 35 | 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 |
| 36 | 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 |

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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 | 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 |
| 39 | Wastewater nutrient removal in a mixed microalgaeâ€“bacteria culture: effect of light and temperature on the microalgaeâ€“bacteria competition. Environmental Technology (United Kingdom), 2018, 39, 503-515. | 1.2 | 64 |
| 40 | Effect of sludge age on microbial consortia developed in MFCs. Journal of Chemical Technology and Biotechnology, 2018, 93, 1290-1299. | 1.6 | 14 |
| 41 | Endocrine disrupter compounds removal in wastewater using microalgae: Degradation kinetics assessment. Chemical Engineering Journal, 2018, 334, 313-321. | 6.6 | 42 |
| 42 | 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 |
| 43 | Calibration Procedure of the Biological Nutrient Removal Model Number 1. Journal of Environmental Engineering, ASCE, 2018, 144, 04017103. | 0.7 | 0 |
| 44 | 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 |
| 45 | 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 |
| 46 | A review on anaerobic membrane bioreactors (AnMBRs) focused on modelling and control aspects. Bioresource Technology, 2018, 270, 612-626. | 4.8 | 106 |
| 47 | 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 |
| 48 | 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 |
| 49 | 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 |
| 50 | 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 |
| 51 | 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 |
| 52 | Use of rumen microorganisms to boost the anaerobic biodegradability of microalgae. Algal Research, 2017, 24, 309-316. | 2.4 | 17 |
| 53 | Sludge management modeling to enhance P-recovery as struvite in wastewater treatment plants. Journal of Environmental Management, 2017, 196, 340-346. | 3.8 | 28 |
| 54 | Microbial community characterization during anaerobic digestion of Scenedesmus spp. under mesophilic and thermophilic conditions. Algal Research, 2017, 27, 121-130. | 2.4 | 47 |

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|---|---|---|---|
| 55 | Short and long-term experiments on the effect of sulphide on microalgae cultivation in tertiary sewage treatment. Bioresource Technology, 2017, 244, 15-22. | 4.8 | 37 |
| 56 | 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 |
| 57 | 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 |
| 58 | 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 |
| 59 | Behavior of mixed Chlorophyceae cultures under prolonged dark exposure. Respiration rate modeling. Ecological Engineering, 2016, 91, 265-269. | 1.6 | 8 |
| 60 | 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 |
| 61 | Removal of algae from biological cultures: a challenge for electrocoagulation?. Journal of Chemical Technology and Biotechnology, 2016, 91, 82-87. | 1.6 | 15 |
| 62 | 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 |
| 63 | 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 |
| 64 | Filtration process cost in submerged anaerobic membrane bioreactors (AnMBRs) for urban wastewater treatment. Separation Science and Technology, 2016, 51, 517-524. | 1.3 | 8 |
| 65 | Effect of temperature on ammonium removal in Scenedesmus sp.. Bioresource Technology, 2015, 191, 346-349. | 4.8 | 19 |
| 66 | Identification and quantification of microbial populations in activated sludge and anaerobic digestion processes. Environmental Technology (United Kingdom), 2015, 36, 45-53. | 1.2 | 14 |
| 67 | Design methodology for submerged anaerobic membrane bioreactors (AnMBR): A case study. Separation and Purification Technology, 2015, 141, 378-386. | 3.9 | 43 |
| 68 | Enrichment of AOB and NOB Population by Applying a BABE Reactor in an Activated Sludge Pilot Plant. Water Environment Research, 2015, 87, 369-377. | 1.3 | 9 |
| 69 | Instrumentation, control, and automation for submerged anaerobic membrane bioreactors. Environmental Technology (United Kingdom), 2015, 36, 1795-1806. | 1.2 | 18 |
| 70 | 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 |
| 71 | 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 |
| 72 | 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 |

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| 73 | Anaerobic treatment of urban wastewater in membrane bioreactors: evaluation of seasonal temperature variations. Water Science and Technology, 2014, 69, 1581-1588. | 1.2 | 23 |
| 74 | Global sensitivity analysis of a filtration model for submerged anaerobic membrane bioreactors (AnMBR). Bioresource Technology, 2014, 158, 365-373. | 4.8 | 13 |
| 75 | 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 |
| 76 | 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 |
| 77 | 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 |
| 78 | Mathematical modelling of filtration in submerged anaerobic MBRs (SAnMBRs): Long-term validation. Journal of Membrane Science, 2013, 446, 303-309. | 4.1 | 17 |
| 79 | 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 |
| 80 | A filtration model applied to submerged anaerobic MBRs (SAnMBRs). Journal of Membrane Science, 2013, 444, 139-147. | 4.1 | 31 |
| 81 | Study of the influence of temperature and precipitations on the levels of BTEX in natural waters. Journal of Hazardous Materials, 2013, 263, 131-138. | 6.5 | 20 |
| 82 | 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 |
| 83 | Guidelines for alkylphenols estimation as alkylphenol polyethoxylates pollution indicator in wastewater treatment plant effluents. Analytical Methods, 2013, 5, 2209. | 1.3 | 3 |
| 84 | 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 |
| 85 | 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 |
| 86 | Micropollutants removal in an anaerobic membrane bioreactor and in an aerobic conventional treatment plant. Water Science and Technology, 2012, 65, 2242-2250. | 1.2 | 27 |
| 87 | 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 |
| 88 | 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 |
| 89 | Metabolic shift of polyphosphate-accumulating organisms with different levels of polyphosphate storage. Water Research, 2012, 46, 1889-1900. | 5.3 | 148 |
| 90 | 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 |

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|---|---|---|---|
| 91 | 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 |
| 92 | Effect of pH, substrate and free nitrous acid concentrations on ammonium oxidation rate. Bioresource Technology, 2012, 124, 478-484. | 4.8 | 25 |
| 93 | Microalgae cultivation in wastewater: Nutrient removal from anaerobic membrane bioreactor effluent. Bioresource Technology, 2012, 126, 247-253. | 4.8 | 186 |
| 94 | 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 |
| 95 | 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 |
| 96 | Modelling biological and chemically induced precipitation of calcium phosphate in enhanced biological phosphorus removal systems. Water Research, 2011, 45, 3744-3752. | 5.3 | 64 |
| 97 | Occurrence of priority pollutants in WWTP effluents and Mediterranean coastal waters of Spain. Marine Pollution Bulletin, 2011, 62, 615-625. | 2.3 | 51 |
| 98 | 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 |
| 99 | Alkylphenols and polycyclic aromatic hydrocarbons in eastern Mediterranean Spanish coastal marine bivalves. Environmental Monitoring and Assessment, 2011, 176, 169-181. | 1.3 | 32 |
| 100 | Monitoring pH and ORP in a SHARON reactor. Water Science and Technology, 2011, 63, 2505-2512. | 1.2 | 10 |
| 101 | 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 |
| 102 | Wastewater COD characterization: analysis of respirometric and physicalâ€chemical methods for determining biodegradable organic matter fractions. Journal of Chemical Technology and Biotechnology, 2010, 85, 536-544. | 1.6 | 10 |
| 103 | A systematic approach for fine-tuning of fuzzy controllers applied to WWTPs. Environmental Modelling and Software, 2010, 25, 670-676. | 1.9 | 20 |
| 104 | Struvite formation from the supernatants of an anaerobic digestion pilot plant. Bioresource Technology, 2010, 101, 118-125. | 4.8 | 116 |
| 105 | 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 |
| 106 | Phosphorus recovery by struvite crystallization in WWTPs: Influence of the sludge treatment line operation. Water Research, 2010, 44, 2371-2379. | 5.3 | 117 |
| 107 | Calibration of denitrifying activity of polyphosphate accumulating organisms in an extended ASM2d model. Water Research, 2010, 44, 5284-5297. | 5.3 | 15 |
| 108 | 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 |

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| 109 | Use of neurofuzzy networks to improve wastewater flow-rate forecasting. Environmental Modelling and Software, 2009, 24, 686-693. | 1.9 | 46 |
| 110 | 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 |
| 111 | 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 |
| 112 | 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 |
| 113 | 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 |
| 114 | Sewage sludge management for phosphorus recovery as struvite in EBPR wastewater treatment plants. Bioresource Technology, 2008, 99, 4817-4824. | 4.8 | 88 |
| 115 | A pilot-scale study of struvite precipitation in a stirred tank reactor: Conditions influencing the process. Bioresource Technology, 2008, 99, 6285-6291. | 4.8 | 163 |
| 116 | DESASS: A software tool for designing, simulating and optimising WWTPs. Environmental Modelling and Software, 2008, 23, 19-26. | 1.9 | 60 |
| 117 | Struvite precipitation assessment in anaerobic digestion processes. Chemical Engineering Journal, 2008, 141, 67-74. | 6.6 | 160 |
| 118 | Interactions between calcium precipitation and the polyphosphate-accumulating bacteria metabolism. Water Research, 2008, 42, 3415-3424. | 5.3 | 62 |
| 119 | Optimisation of sludge line management to enhance phosphorus recovery in WWTP. Water Research, 2008, 42, 4609-4618. | 5.3 | 33 |
| 120 | DETECTION AND PREVENTION OF ENHANCED BIOLOGICAL PHOSPHORUS REMOVAL DETERIORATION CAUSED BY ZOOGLOEA OVERABUNDANCE. Environmental Technology (United Kingdom), 2008, 29, 35-42. | 1.2 | 9 |
| 121 | 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 |
| 122 | Fermentation and elutriation of primary sludge: Effect of SRT on process performance. Water Research, 2007, 41, 747-756. | 5.3 | 42 |
| 123 | Process understanding of a wastewater batch reactor with block-wise PLS. Environmetrics, 2007, 18, 551-560. | 0.6 | 8 |
| 124 | Multivariate SPC of a sequencing batch reactor for wastewater treatment. Chemometrics and Intelligent Laboratory Systems, 2007, 85, 82-93. | 1.8 | 44 |
| 125 | Calcium effect on enhanced biological phosphorus removal. Water Science and Technology, 2006, 53, 29-37. | 1.2 | 19 |
| 126 | Optimum design and operation of primary sludge fermentation schemes for volatile fatty acids production. Water Research, 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. Water Science and Technology, 2006, 53, 199-206. | 1.2 | 13 |
| 128 | Application of a fuzzy algorithm for pH control in a struvite crystallisation reactor. Water Science and Technology, 2006, 53, 161-168. | 1.2 | 9 |
| 129 | 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 |
| 130 | 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 |
| 131 | Effect of pH on biological phosphorus uptake. Biotechnology and Bioengineering, 2006, 95, 875-882. | 1.7 | 11 |
| 132 | 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 |
| 133 | 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 |
| 134 | Monitoring pH and electric conductivity in an EBPR sequencing batch reactor. Water Science and Technology, 2004, 50, 145-152. | 1.2 | 18 |
| 135 | Biological nutrient removal model No.1 (BNRM1). Water Science and Technology, 2004, 50, 69-70. | 1.2 | 66 |
| 136 | Use of Biological and Sedimentation Models for Designing PeÃ±Ãscola WWTP. Environmental Technology (United Kingdom), 2004, 25, 681-687. | 1.2 | 3 |
| 137 | An extension of ASM2d including pH calculation. Water Research, 2004, 38, 4029-4038. | 5.3 | 34 |
| 138 | Biological nutrient removal model No.1 (BNRM1). Water Science and Technology, 2004, 50, 69-78. | 1.2 | 2 |
| 139 | Design of nutrient removal activated sludge systems. Water Science and Technology, 2003, 47, 115-122. | 1.2 | 4 |
| 140 | Calibration and Validation of Activated Sludge Model No.2d for Spanish Municipal Wastewater. Environmental Technology (United Kingdom), 2002, 23, 849-862. | 1.2 | 16 |
| 141 | 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 |
| 142 | Fermentation of Municipal Primary Sludge: Effect of Srt and Solids Concentration on Volatile Fatty Acid Production. Environmental Technology (United Kingdom), 2002, 23, 863-875. | 1.2 | 23 |
| 143 | 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 |
| 144 | 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 |

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| 145 | Evaluation of Activated Sludge Model No.2 at High Phosphorus Concentrations. Environmental Technology (United Kingdom), 2001, 22, 497-507. | 1.2 | 1 |
| 146 | A Steady-State Model for the Design of Biological Wastewater Treatment Facilities. Environmental Technology (United Kingdom), 2000, 21, 733-744. | 1.2 | 0 |
| 147 | Cadmium and Copper Removal by a Granular Activated Carbon in Laboratory Column Systems. Separation Science and Technology, 2000, 35, 1039-1053. | 1.3 | 50 |
| 148 | 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 |
| 149 | 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 |
| 150 | Effect of pH, cation concentration and sorbent concentration on cadmium and copper removal by a granular activated carbon. Journal of Chemical Technology and Biotechnology, 1999, 74, 911-918. | 1.6 | 64 |
| 151 | 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 |
| 152 | Energy saving in the aeration process by fuzzy logic control. Water Science and Technology, 1998, 38, 209. | 1.2 | 42 |
| 153 | A software for the integrated design of wastewater treatment plants. Environmental Modelling and Software, 1998, 13, 31-44. | 1.9 | 11 |
| 154 | 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 |
| 155 | Title is missing!. Water, Air, and Soil Pollution, 1997, 94, 349-360. | 1.1 | 0 |
| 156 | Single and competitive adsorption of Cd and Zn onto a granular activated carbon. Water Research, 1996, 30, 3050-3060. | 5.3 | 98 |
| 157 | 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 |
| 158 | Influence of sludge age on enhanced phosphorus removal in biological systems. Water Science and Technology, 1996, 34, 41. | 1.2 | 12 |
| 159 | Isobaric Vapor-Liquid Equilibria of 1-Butanol + N,N-Dimethylformamide and 1-Pentanol + N,N-Dimethylformamide Systems at 50.00 and 100.00 kPa. Journal of Chemical & Engineering Data, 1995, 40, 589-592. | 1.0 | 10 |
| 160 | Modeling multiple reactive solute transport with adsorption under equilibrium and nonequilibrium conditions. Advances in Water Resources, 1994, 17, 363-374. | 1.7 | 7 |
| 161 | Control of activated sludge settleability using preaeration and preprecipitation. Water Research, 1993, 27, 293-296. | 5.3 | 6 |
| 162 | Study of the Factors Affecting Activated Sludge Settling in Domestic Wastewater Treatment Plants. Water Science and Technology, 1992, 25, 273-279. | 1.2 | 9 |