# Edoardo Bertone

List of Publications by Year
in descending order

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|---|---|---|---|
| **59**<br>papers | **1,204**<br>citations | 394286<br>**19**<br>h-index | 395590<br>**33**<br>g-index |
| **61**<br>all docs | **61**<br>docs citations | **61**<br>times ranked | **1299**<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | A systematic literature review of forecasting and predictive models for cyanobacteria blooms in freshwater lakes. Water Research, 2020, 182, 115959. | 5.3 | 137 |
| 2 | Government championed strategies to overcome the barriers to public building energy efficiency retrofit projects. Sustainable Cities and Society, 2019, 44, 56-69. | 5.1 | 87 |
| 3 | Fluorescence probes for real-time remote cyanobacteria monitoring: A review of challenges and opportunities. Water Research, 2018, 141, 152-162. | 5.3 | 84 |
| 4 | Extreme events, water quality and health: A participatory Bayesian risk assessment tool for managers of reservoirs. Journal of Cleaner Production, 2016, 135, 657-667. | 4.6 | 75 |
| 5 | Integrated intelligent water-energy metering systems and informatics: Visioning a digital multi-utility service provider. Environmental Modelling and Software, 2018, 105, 94-117. | 1.9 | 71 |
| 6 | Role of financial mechanisms for accelerating the rate of water and energy efficiency retrofits in Australian public buildings: Hybrid Bayesian Network and System Dynamics modelling approach. Applied Energy, 2018, 210, 409-419. | 5.1 | 58 |
| 7 | Guidelines, barriers and strategies for energy and water retrofits of public buildings. Journal of Cleaner Production, 2018, 174, 1064-1078. | 4.6 | 55 |
| 8 | Evaluating the energy and carbon reductions resulting from resource-efficient household stock. Energy and Buildings, 2012, 55, 422-432. | 3.1 | 53 |
| 9 | A systems approach for assessing water conservation potential through demand-based water tariffs. Journal of Cleaner Production, 2017, 148, 773-784. | 4.6 | 44 |
| 10 | Climate change and its impact on the projected values of groundwater recharge: A review. Journal of Hydrology, 2021, 601, 126602. | 2.3 | 38 |
| 11 | State-of-the-art review revealing a roadmap for public building water and energy efficiency retrofit projects. International Journal of Sustainable Built Environment, 2016, 5, 526-548. | 3.2 | 35 |
| 12 | Critical review of system dynamics modelling applications for water resources planning and management. Cleaner Environmental Systems, 2021, 2, 100031. | 2.2 | 34 |
| 13 | Analysis and modelling of powdered activated carbon dosing for taste and odour removal. Water Research, 2018, 139, 321-328. | 5.3 | 25 |
| 14 | Multi-Parameter Compensation Method for Accurate In Situ Fluorescent Dissolved Organic Matter Monitoring and Properties Characterization. Water (Switzerland), 2018, 10, 1146. | 1.2 | 25 |
| 15 | In-situ fluorescence monitoring of cyanobacteria: Laboratory-based quantification of species-specific measurement accuracy. Harmful Algae, 2019, 87, 101625. | 2.2 | 25 |
| 16 | Light-induced fluorescence quenching leads to errors in sensor measurements of phytoplankton chlorophyll and phycocyanin. Water Research, 2021, 198, 117133. | 5.3 | 23 |
| 17 | Analysis of the mixing processes in the subtropical Advancetown Lake, Australia. Journal of Hydrology, 2015, 522, 67-79. | 2.3 | 22 |
| 18 | Evaluating a novel tiered scarcity adjusted water budget and pricing structure using a holistic systems modelling approach. Journal of Environmental Management, 2018, 215, 79-90. | 3.8 | 22 |

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|---|---------|-----|-----------|
| 19 | A review of systems modelling for local sustainability. Environmental Research Letters, 2021, 16, 113004. | 2.2 | 21 |
| 20 | An autonomous decision support system for manganese forecasting in subtropical water reservoirs. Environmental Modelling and Software, 2015, 73, 133-147. | 1.9 | 19 |
| 21 | Comparative environmental life cycle assessment of alternative osmotic and mixing dilution desalination system configurations. Desalination, 2021, 504, 114963. | 4.0 | 19 |
| 22 | Hybrid water treatment cost prediction model for raw water intake optimization. Environmental Modelling and Software, 2016, 75, 230-242. | 1.9 | 18 |
| 23 | Life cycle cost of dilution desalination in off-grid locations: A study of water reuse integrated with seawater desalination technology. Desalination, 2020, 491, 114584. | 4.0 | 18 |
| 24 | Medium-term storage volume prediction for optimum reservoir management: A hybrid data-driven approach. Journal of Cleaner Production, 2017, 154, 353-365. | 4.6 | 15 |
| 25 | Analysis and Modelling of Taste and Odour Events in a Shallow Subtropical Reservoir. Environments - MDPI, 2016, 3, 22. | 1.5 | 13 |
| 26 | From Thoughts to Actions: The Importance of Climate Change Education in Enhancing Students' Self-Efficacy. Australian Journal of Environmental Education, 2019, 35, 123-144. | 1.4 | 13 |
| 27 | Chlorophyll and phycocyanin in-situ fluorescence in mixed cyanobacterial species assemblages: Effects of morphology, cell size and growth phase. Water Research, 2022, 212, 118127. | 5.3 | 13 |
| 28 | Effectiveness of the Early Response to COVID-19: Data Analysis and Modelling. Systems, 2020, 8, 21. | 1.2 | 10 |
| 29 | Challenges, opportunities, and strategies for undertaking integrated precinct-scale energy–water system planning. Renewable and Sustainable Energy Reviews, 2022, 161, 112297. | 8.2 | 10 |
| 30 | Data-driven recursive input–output multivariate statistical forecasting model: case of DO concentration prediction in Advancetown Lake, Australia. Journal of Hydroinformatics, 2015, 17, 817-833. | 1.1 | 9 |
| 31 | Numerical study of the thermal structure of a stratified temperate monomictic drinking water reservoir. Journal of Hydrology: Regional Studies, 2020, 30, 100699. | 1.0 | 9 |
| 32 | Analysis of the Mixing Processes in a Shallow Subtropical Reservoir and Their Effects on Dissolved Organic Matter. Water (Switzerland), 2019, 11, 737. | 1.2 | 8 |
| 33 | Monitoring Approaches for Faecal Indicator Bacteria in Water: Visioning a Remote Real-Time Sensor for E. coli and Enterococci. Water (Switzerland), 2020, 12, 2591. | 1.2 | 8 |
| 34 | Development of a Real-Time, Mobile Nitrate Monitoring Station for High-Frequency Data Collection. Sustainability, 2020, 12, 5780. | 1.6 | 8 |
| 35 | Achieving energy efficiency in government buildings through mandatory policy and program enforcement. Frontiers of Engineering Management, 2017, 4, 92. | 3.3 | 8 |
| 36 | Spatiotemporal prediction of Escherichia coli and Enterococci for the Commonwealth Games triathlon event using Bayesian Networks. Marine Pollution Bulletin, 2019, 146, 11-21. | 2.3 | 7 |

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|---|---------|-----|-----------|
| 37 | Cyanobacteria species dominance and diversity in three Australian drinking water reservoirs. Hydrobiologia, 2022, 849, 1453-1469. | 1.0 | 7 |
| 38 | Intelligent data mining of vertical profiler readings to predict manganese concentrations in water reservoirs. Journal of Water Supply: Research and Technology - AQUA, 2014, 63, 541-552. | 0.6 | 6 |
| 39 | Use of a structure aware discretisation algorithm for Bayesian networks applied to water quality predictions. Mathematics and Computers in Simulation, 2020, 175, 192-201. | 2.4 | 6 |
| 40 | Perceptions and willingness to pay for water management on a highly developed tourism island under climate change: A Bayesian network approach. Environmental Challenges, 2021, 5, 100333. | 2.0 | 5 |
| 41 | Bayesian Network and system thinking modelling to manage water-related health risks from extreme events. , 2015, , . | | 4 |
| 42 | Assessing the impacts of extreme weather events on potable water quality: the value to managers of a highly participatory, integrated modelling approach. H2Open Journal, 2019, 2, 9-24. | 0.8 | 4 |
| 43 | Numerical Study of the Hydrodynamic and Sediment Transport Process in a Subtropical Water Reservoir: the Impacts of Storms and Winds. Environmental Modeling and Assessment, 2020, 25, 843-860. | 1.2 | 4 |
| 44 | Integrated modelling and management of manganese for a conventional potable water treatment plant. Journal of Water Process Engineering, 2021, 39, 101860. | 2.6 | 4 |
| 45 | Optimisation modelling tools and solving techniques for integrated precinct-scale energyâ€"water system planning. Applied Energy, 2022, 318, 119190. | 5.1 | 4 |
| 46 | Framework for Enhancing the Supply-Demand Balance of a Tri-Supply Urban Water Scheme in Australia. Water (Switzerland), 2011, 3, 976-987. | 1.2 | 3 |
| 47 | Statistical analysis and modelling of the manganese cycle in the subtropical Advancetown Lake, Australia. Journal of Hydrology: Regional Studies, 2016, 8, 69-81. | 1.0 | 3 |
| 48 | Coupled data-driven and process-based model for fluorescent dissolved organic matter prediction in a shallow subtropical reservoir. Environmental Modelling and Software, 2021, 141, 105053. | 1.9 | 3 |
| 49 | Autonomous intake selection optimisation model for a dual source drinking water treatment plant. Water Science and Technology: Water Supply, 2018, 18, 279-287. | 1.0 | 2 |
| 50 | Bayesian Network revealing evidence-based strategies to enhance the performance of building envelope openings subject to wind-driven rain. Journal of Building Engineering, 2021, 33, 101565. | 1.6 | 2 |
| 51 | A three-dimensional manganese model for the management of a monomictic drinking water reservoir. Environmental Modelling and Software, 2021, 146, 105213. | 1.9 | 2 |
| 52 | Autonomous VPS-based Manganese Prediction System for Sub-tropical Water Reservoirs. Procedia Engineering, 2014, 89, 206-212. | 1.2 | 1 |
| 53 | Digital Multi-Utility Data for Contemporaneous Water-Electricity-Gas End Use Categorization. , 2019, , . | | 1 |
| 54 | Understanding and Modeling the Occurrence of E. coli Blooms in Drinking Water Reservoirs. Water Resources Research, 2019, 55, 10518-10526. | 1.7 | 1 |

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|---|---|---|---|
| 55 | Using Compensated Fluorescence Probes Data for Proactive Water Treatment Management. , 0, , . | | 1 |
| 56 | Automation of species-specific cyanobacteria phycocyanin fluorescence compensation using machine learning classification. Ecological Informatics, 2022, 69, 101669. | 2.3 | 1 |
| 57 | Evaluating design alternatives of constructed storm-water treatment wetlands. , 2015, , . | | 0 |
| 58 | How Can We Use Fluorescence And Artificial Intelligence To Better Control Blue-Green Algal Blooms?. , 2018, , . | | 0 |
| 59 | Hybrid three-dimensional modelling for reservoir fluorescent dissolved organic matter risk assessment. Inland Waters, 2022, 12, 463-476. | 1.1 | 0 |