

# Edoardo Bertone

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

1,204  
citations

448610

19  
h-index

445137

33  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1459  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cyanobacteria species dominance and diversity in three Australian drinking water reservoirs. <i>Hydrobiologia</i> , 2022, 849, 1453-1469.	1.0	7
2	Chlorophyll and phycocyanin in-situ fluorescence in mixed cyanobacterial species assemblages: Effects of morphology, cell size and growth phase. <i>Water Research</i> , 2022, 212, 118127.	5.3	13
3	Challenges, opportunities, and strategies for undertaking integrated precinct-scale energyâ€“water system planning. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 161, 112297.	8.2	10
4	Hybrid three-dimensional modelling for reservoir fluorescent dissolved organic matter risk assessment. <i>Inland Waters</i> , 2022, 12, 463-476.	1.1	0
5	Automation of species-specific cyanobacteria phycocyanin fluorescence compensation using machine learning classification. <i>Ecological Informatics</i> , 2022, 69, 101669.	2.3	1
6	Optimisation modelling tools and solving techniques for integrated precinct-scale energyâ€“water system planning. <i>Applied Energy</i> , 2022, 318, 119190.	5.1	4
7	Bayesian Network revealing evidence-based strategies to enhance the performance of building envelope openings subject to wind-driven rain. <i>Journal of Building Engineering</i> , 2021, 33, 101565.	1.6	2
8	Integrated modelling and management of manganese for a conventional potable water treatment plant. <i>Journal of Water Process Engineering</i> , 2021, 39, 101860.	2.6	4
9	Comparative environmental life cycle assessment of alternative osmotic and mixing dilution desalination system configurations. <i>Desalination</i> , 2021, 504, 114963.	4.0	19
10	Critical review of system dynamics modelling applications for water resources planning and management. <i>Cleaner Environmental Systems</i> , 2021, 2, 100031.	2.2	34
11	Light-induced fluorescence quenching leads to errors in sensor measurements of phytoplankton chlorophyll and phycocyanin. <i>Water Research</i> , 2021, 198, 117133.	5.3	23
12	Coupled data-driven and process-based model for fluorescent dissolved organic matter prediction in a shallow subtropical reservoir. <i>Environmental Modelling and Software</i> , 2021, 141, 105053.	1.9	3
13	A three-dimensional manganese model for the management of a monomictic drinking water reservoir. <i>Environmental Modelling and Software</i> , 2021, 146, 105213.	1.9	2
14	Climate change and its impact on the projected values of groundwater recharge: A review. <i>Journal of Hydrology</i> , 2021, 601, 126602.	2.3	38
15	A review of systems modelling for local sustainability. <i>Environmental Research Letters</i> , 2021, 16, 113004.	2.2	21
16	Perceptions and willingness to pay for water management on a highly developed tourism island under climate change: A Bayesian network approach. <i>Environmental Challenges</i> , 2021, 5, 100333.	2.0	5
17	Use of a structure aware discretisation algorithm for Bayesian networks applied to water quality predictions. <i>Mathematics and Computers in Simulation</i> , 2020, 175, 192-201.	2.4	6
18	Monitoring Approaches for Faecal Indicator Bacteria in Water: Visioning a Remote Real-Time Sensor for E. coli and Enterococci. <i>Water (Switzerland)</i> , 2020, 12, 2591.	1.2	8

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19	Life cycle cost of dilution desalination in off-grid locations: A study of water reuse integrated with seawater desalination technology. <i>Desalination</i> , 2020, 491, 114584.	4.0	18
20	Development of a Real-Time, Mobile Nitrate Monitoring Station for High-Frequency Data Collection. <i>Sustainability</i> , 2020, 12, 5780.	1.6	8
21	Numerical Study of the Hydrodynamic and Sediment Transport Process in a Subtropical Water Reservoir: the Impacts of Storms and Winds. <i>Environmental Modeling and Assessment</i> , 2020, 25, 843-860.	1.2	4
22	Numerical study of the thermal structure of a stratified temperate monomictic drinking water reservoir. <i>Journal of Hydrology: Regional Studies</i> , 2020, 30, 100699.	1.0	9
23	Effectiveness of the Early Response to COVID-19: Data Analysis and Modelling. <i>Systems</i> , 2020, 8, 21.	1.2	10
24	A systematic literature review of forecasting and predictive models for cyanobacteria blooms in freshwater lakes. <i>Water Research</i> , 2020, 182, 115959.	5.3	137
25	In-situ fluorescence monitoring of cyanobacteria: Laboratory-based quantification of species-specific measurement accuracy. <i>Harmful Algae</i> , 2019, 87, 101625.	2.2	25
26	Assessing the impacts of extreme weather events on potable water quality: the value to managers of a highly participatory, integrated modelling approach. <i>H2Open Journal</i> , 2019, 2, 9-24.	0.8	4
27	Spatiotemporal prediction of <i>Escherichia coli</i> and <i>Enterococci</i> for the Commonwealth Games triathlon event using Bayesian Networks. <i>Marine Pollution Bulletin</i> , 2019, 146, 11-21.	2.3	7
28	Analysis of the Mixing Processes in a Shallow Subtropical Reservoir and Their Effects on Dissolved Organic Matter. <i>Water (Switzerland)</i> , 2019, 11, 737.	1.2	8
29	From Thoughts to Actions: The Importance of Climate Change Education in Enhancing Students' Self-Efficacy. <i>Australian Journal of Environmental Education</i> , 2019, 35, 123-144.	1.4	13
30	Digital Multi-Utility Data for Contemporaneous Water-Electricity-Gas End Use Categorization. , 2019, , .		1
31	Understanding and Modeling the Occurrence of <i>E. coli</i> Blooms in Drinking Water Reservoirs. <i>Water Resources Research</i> , 2019, 55, 10518-10526.	1.7	1
32	Government championed strategies to overcome the barriers to public building energy efficiency retrofit projects. <i>Sustainable Cities and Society</i> , 2019, 44, 56-69.	5.1	87
33	Analysis and modelling of powdered activated carbon dosing for taste and odour removal. <i>Water Research</i> , 2018, 139, 321-328.	5.3	25
34	Integrated intelligent water-energy metering systems and informatics: Visioning a digital multi-utility service provider. <i>Environmental Modelling and Software</i> , 2018, 105, 94-117.	1.9	71
35	Evaluating a novel tiered scarcity adjusted water budget and pricing structure using a holistic systems modelling approach. <i>Journal of Environmental Management</i> , 2018, 215, 79-90.	3.8	22
36	Autonomous intake selection optimisation model for a dual source drinking water treatment plant. <i>Water Science and Technology: Water Supply</i> , 2018, 18, 279-287.	1.0	2

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37	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. <i>Applied Energy</i> , 2018, 210, 409-419.	5.1	58
38	Guidelines, barriers and strategies for energy and water retrofits of public buildings. <i>Journal of Cleaner Production</i> , 2018, 174, 1064-1078.	4.6	55
39	Multi-Parameter Compensation Method for Accurate In Situ Fluorescent Dissolved Organic Matter Monitoring and Properties Characterization. <i>Water (Switzerland)</i> , 2018, 10, 1146.	1.2	25
40	Fluorescence probes for real-time remote cyanobacteria monitoring: A review of challenges and opportunities. <i>Water Research</i> , 2018, 141, 152-162.	5.3	84
41	How Can We Use Fluorescence And Artificial Intelligence To Better Control Blue-Green Algal Blooms?. , 2018, , .		0
42	A systems approach for assessing water conservation potential through demand-based water tariffs. <i>Journal of Cleaner Production</i> , 2017, 148, 773-784.	4.6	44
43	Medium-term storage volume prediction for optimum reservoir management: A hybrid data-driven approach. <i>Journal of Cleaner Production</i> , 2017, 154, 353-365.	4.6	15
44	Achieving energy efficiency in government buildings through mandatory policy and program enforcement. <i>Frontiers of Engineering Management</i> , 2017, 4, 92.	3.3	8
45	Analysis and Modelling of Taste and Odour Events in a Shallow Subtropical Reservoir. <i>Environments - MDPI</i> , 2016, 3, 22.	1.5	13
46	State-of-the-art review revealing a roadmap for public building water and energy efficiency retrofit projects. <i>International Journal of Sustainable Built Environment</i> , 2016, 5, 526-548.	3.2	35
47	Statistical analysis and modelling of the manganese cycle in the subtropical Advancetown Lake, Australia. <i>Journal of Hydrology: Regional Studies</i> , 2016, 8, 69-81.	1.0	3
48	Extreme events, water quality and health: A participatory Bayesian risk assessment tool for managers of reservoirs. <i>Journal of Cleaner Production</i> , 2016, 135, 657-667.	4.6	75
49	Hybrid water treatment cost prediction model for raw water intake optimization. <i>Environmental Modelling and Software</i> , 2016, 75, 230-242.	1.9	18
50	Data-driven recursive input-output multivariate statistical forecasting model: case of DO concentration prediction in Advancetown Lake, Australia. <i>Journal of Hydroinformatics</i> , 2015, 17, 817-833.	1.1	9
51	Evaluating design alternatives of constructed storm-water treatment wetlands. , 2015, , .		0
52	Bayesian Network and system thinking modelling to manage water-related health risks from extreme events. , 2015, , .		4
53	Analysis of the mixing processes in the subtropical Advancetown Lake, Australia. <i>Journal of Hydrology</i> , 2015, 522, 67-79.	2.3	22
54	An autonomous decision support system for manganese forecasting in subtropical water reservoirs. <i>Environmental Modelling and Software</i> , 2015, 73, 133-147.	1.9	19

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55	Intelligent data mining of vertical profiler readings to predict manganese concentrations in water reservoirs. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2014, 63, 541-552.	0.6	6
56	Autonomous VPS-based Manganese Prediction System for Sub-tropical Water Reservoirs. <i>Procedia Engineering</i> , 2014, 89, 206-212.	1.2	1
57	Evaluating the energy and carbon reductions resulting from resource-efficient household stock. <i>Energy and Buildings</i> , 2012, 55, 422-432.	3.1	53
58	Framework for Enhancing the Supply-Demand Balance of a Tri-Supply Urban Water Scheme in Australia. <i>Water (Switzerland)</i> , 2011, 3, 976-987.	1.2	3
59	Using Compensated Fluorescence Probes Data for Proactive Water Treatment Management. , 0, , .		1