

# Anas Ghadouani

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

2,407  
citations

218381

26  
h-index

205818

48  
g-index

74  
all docs

74  
docs citations

74  
times ranked

2673  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of rainfall patterns on toxic cyanobacterial blooms in a changing climate: Between simplistic scenarios and complex dynamics. <i>Water Research</i> , 2012, 46, 1372-1393.	5.3	290
2	The Resilience Architecture Framework: Four organizational archetypes. <i>European Management Journal</i> , 2014, 32, 104-116.	3.1	202
3	Effects of experimentally induced cyanobacterial blooms on crustacean zooplankton communities. <i>Freshwater Biology</i> , 2003, 48, 363-381.	1.2	187
4	Application of Hydrogen Peroxide for the Removal of Toxic Cyanobacteria and Other Phytoplankton from Wastewater. <i>Environmental Science &amp; Technology</i> , 2008, 42, 8916-8921.	4.6	141
5	A novel single-parameter approach for forecasting algal blooms. <i>Water Research</i> , 2017, 108, 222-231.	5.3	103
6	The use of hydrogen peroxide to remove cyanobacteria and microcystins from waste stabilization ponds and hypereutrophic systems. <i>Ecological Engineering</i> , 2013, 50, 86-94.	1.6	102
7	Effects of <i>Microcystis aeruginosa</i> and purified microcystin-LR on the feeding behavior of <i>Daphnia pulex</i> . <i>Limnology and Oceanography</i> , 2004, 49, 666-679.	1.6	94
8	Effects of Natural Flavonoids on Photosynthetic Activity and Cell Integrity in <i>Microcystis aeruginosa</i> . <i>Toxins</i> , 2015, 7, 66-80.	1.5	78
9	Modelling hydrological processes influenced by soil, rock and vegetation in a small karst basin of southwest China. <i>Hydrological Processes</i> , 2011, 25, 2456-2470.	1.1	60
10	The long-term effect of artificial destratification on phytoplankton species composition in a subtropical reservoir. <i>Freshwater Biology</i> , 2005, 50, 1081-1093.	1.2	59
11	Grazing of two toxic <i>Planktothrix</i> species by <i>Daphnia pulex</i> : potential for bloom control and transfer of microcystins. <i>Journal of Plankton Research</i> , 2007, 29, 827-838.	0.8	59
12	Giving the consumer the choice: A methodology for Product Ecological Footprint calculation. <i>Ecological Economics</i> , 2009, 68, 2525-2534.	2.9	56
13	Phytoplankton Distribution in Lake Erie as Assessed by a New in situ Spectrofluorometric Technique. <i>Journal of Great Lakes Research</i> , 2005, 31, 154-167.	0.8	54
14	Halogen Radicals Promote the Photodegradation of Microcystins in Estuarine Systems. <i>Environmental Science &amp; Technology</i> , 2016, 50, 8505-8513.	4.6	51
15	Long-term effects of successive Ca(OH) <sub>2</sub> and CaCO <sub>3</sub> treatments on the water quality of two eutrophic hardwater lakes. <i>Freshwater Biology</i> , 2001, 46, 1089-1103.	1.2	43
16	Could increased cyanobacterial biomass following forest harvesting cause a reduction in zooplankton body size structure?. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 2308-2317.	0.7	41
17	Science, technology and policy for Water Pollution Control at the Watershed Scale: Current issues and future challenges. <i>Physics and Chemistry of the Earth</i> , 2011, 36, 335-341.	1.2	40
18	Relationships between zooplankton community structure and phytoplankton in two lime-treated eutrophic hardwater lakes. <i>Freshwater Biology</i> , 1998, 39, 775-790.	1.2	39

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19	Spatial and temporal variability in the relationship between cyanobacterial biomass and microcystins. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 6379-6395.	1.3	37
20	Greenhouse gas emissions from waste stabilisation ponds in Western Australia and Quebec (Canada). <i>Water Research</i> , 2016, 101, 64-74.	5.3	37
21	Acute Toxicological Response of <i>Daphnia</i> and <i>Moina</i> to Hydrogen Peroxide. <i>Journal of Environmental Engineering, ASCE</i> , 2012, 138, 607-611.	0.7	34
22	Spatial Heterogeneity Of Planktonic Microorganisms In Aquatic Systems. , 2007, , 203-310.		33
23	Environmental Factors and the Application of Hydrogen Peroxide for the Removal of Toxic Cyanobacteria from Waste Stabilization Ponds. <i>Journal of Environmental Engineering, ASCE</i> , 2011, 137, 952-960.	0.7	32
24	Effects of the Distribution of a Toxic Microcystis Bloom on the Small Scale Patchiness of Zooplankton. <i>PLoS ONE</i> , 2013, 8, e66674.	1.1	32
25	Closing the circle for urban food waste anaerobic digestion: The use of digestate and biochar on plant growth in potting soil. <i>Journal of Cleaner Production</i> , 2022, 347, 131071.	4.6	31
26	Sludge accumulation and distribution impact the hydraulic performance in waste stabilisation ponds. <i>Water Research</i> , 2017, 110, 354-365.	5.3	29
27	Contribution of sediments in the removal of microcystin-LR from water. <i>Toxicon</i> , 2014, 83, 84-90.	0.8	27
28	The Importance of Lake Sediments as a Pathway for Microcystin Dynamics in Shallow Eutrophic Lakes. <i>Toxins</i> , 2015, 7, 900-918.	1.5	26
29	Flow cytometry for rapid characterisation of microbial community dynamics in waste stabilisation ponds. <i>Water Research</i> , 2020, 169, 115243.	5.3	26
30	Phenotypic plasticity in <i>Daphnia pulex</i> as an adaptation to high biomass of colonial and filamentous cyanobacteria: experimental evidence. <i>Journal of Plankton Research</i> , 2002, 24, 1047-1056.	0.8	24
31	Changes to zooplankton community structure following colonization of a small lake by <i>Leptodora kindtii</i> . <i>Limnology and Oceanography</i> , 2004, 49, 1239-1249.	1.6	21
32	Response of plankton communities to whole-lake Ca(OH) <sub>2</sub> and CaCO <sub>3</sub> additions in eutrophic hardwater lakes. <i>Freshwater Biology</i> , 2001, 46, 1105-1119.	1.2	20
33	Sterols indicate water quality and wastewater treatment efficiency. <i>Water Research</i> , 2017, 108, 401-411.	5.3	20
34	The small, the big, and the beautiful: Emerging challenges and opportunities for waste stabilization ponds in Australia. <i>Wiley Interdisciplinary Reviews: Water</i> , 2019, 6, e1383.	2.8	20
35	Spatial analysis of phytoplankton patterns in relation to environmental factors across the southern Taihu basin, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013, 27, 1347-1357.	1.9	19
36	The development and application of improved solids modelling to enable resilient urban sewer networks. <i>Journal of Environmental Management</i> , 2019, 240, 219-230.	3.8	19

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37	Effects of recent increases in salinity and nutrient concentrations on the microbialite community of Lake Clifton (Western Australia): are the thrombolites at risk?. <i>Hydrobiologia</i> , 2010, 649, 207-216.	1.0	17
38	Impact of Hydrodynamic Reconfiguration with Baffles on Treatment Performance in Waste Stabilisation Ponds: A Full-Scale Experiment. <i>Water (Switzerland)</i> , 2018, 10, 109.	1.2	17
39	Cyanobacterial and microcystins dynamics following the application of hydrogen peroxide to waste stabilisation ponds. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 2097-2105.	1.9	15
40	Local nutrient regimes determine site-specific environmental triggers of cyanobacterial and microcystin variability in urban lakes. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 2179-2195.	1.9	14
41	A Critical Review on Processes and Energy Profile of the Australian Meat Processing Industry. <i>Energies</i> , 2017, 10, 731.	1.6	14
42	Spatial patterns of seston concentration and biochemical composition between nearshore and offshore waters of a Great Lake. <i>Freshwater Biology</i> , 2007, 52, 2196-2210.	1.2	13
43	Relative impacts of key drivers on the response of the water table to a major alley farming experiment. <i>Hydrology and Earth System Sciences</i> , 2009, 13, 2095-2104.	1.9	10
44	Development of a new risk-based framework to guide investment in water quality monitoring. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 2455-2464.	1.3	10
45	Adaptation Tipping Points of a Wetland under a Drying Climate. <i>Water (Switzerland)</i> , 2018, 10, 234.	1.2	10
46	Development of Toxicological Risk Assessment Models for Acute and Chronic Exposure to Pollutants. <i>Toxins</i> , 2016, 8, 251.	1.5	9
47	Matching Ecosystem Functions with Adaptive Ecosystem Management: Decision Pathways to Overcome Institutional Barriers. <i>Water (Switzerland)</i> , 2018, 10, 672.	1.2	9
48	Can mussels be used as sentinel organisms for characterization of pollution in urban water systems?. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 2679-2689.	1.9	8
49	Coastal Garbage Patches: Fronts Accumulate Plastic Films at Ashmore Reef Marine Park (Pulau Pasir), Australia. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	8
50	Response of Zooplankton Size Structure to Multiple Stressors in Urban Lakes. <i>Water (Switzerland)</i> , 2021, 13, 2305.	1.2	8
51	Examining shifts in zooplankton community variability following biological invasion. <i>Limnology and Oceanography</i> , 2013, 58, 399-408.	1.6	7
52	Seasonal and inter-annual variability of water column properties along the Rottneest continental shelf, south-west Australia. <i>Ocean Science</i> , 2019, 15, 333-348.	1.3	7
53	High-Resolution Bathymetry Mapping of Water Bodies: Development and Implementation. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	7
54	Dying to find the source – the use of rhodamine WT as a proxy for soluble point source pollutants in closed pipe surface drainage networks. <i>Hydrology and Earth System Sciences</i> , 2009, 13, 2169-2178.	1.9	6

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55	Water table response to an experimental alley farming trial: dissecting the spatial and temporal structure of the data. <i>Ecological Applications</i> , 2010, 20, 1704-1720.	1.8	5
56	Influence of Storm Events on Chlorophyll Distribution Along the Oligotrophic Continental Shelf Off South-Western Australia. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	5
57	Development and persistence of deep chlorophyll maxima in oligotrophic lakes over the summer season. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2008, 30, 409-415.	0.1	4
58	SewerSedFoam: A Model for Free Surface Flow, Sediment Transport, and Deposited Bed Morphology in Sewers. <i>Water (Switzerland)</i> , 2020, 12, 270.	1.2	4
59	Insights drawn from a full-scale Intermittently Decanted Extended Aeration (IDEA) plant for optimising nitrogen and phosphorus removal from municipal wastewater. <i>Science of the Total Environment</i> , 2020, 744, 140576.	3.9	3
60	Integrated approach towards quantifying carbon dioxide and methane release from waste stabilization ponds. <i>Water Research</i> , 2021, 202, 117389.	5.3	3
61	7. Global warming, climate patterns and toxic cyanobacteria. , 2015, , 195-238.		2
62	10. Control and management of Harmful Algal Blooms. , 2015, , 313-358.		2
63	An investigation into the impacts of water demand management and decentralized water recycling on excess sewer sediment deposition. <i>Journal of Environmental Management</i> , 2021, 279, 111788.	3.8	1
64	Pollution from land-based sources. , 2019, , 106-122.		1
65	Resilience and Adaptive Capacity of the Swan Coastal Plain Wetlands. <i>Frontiers in Water</i> , 2021, 3, .	1.0	1
66	7 Global warming, climate patterns and toxic cyanobacteria. , 2020, , 209-252.		1
67	Could the presence of larger fractions of non-cyanobacterial species be used as a predictor of microcystin production under variable nutrient regimes?. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 476.	1.3	0
68	Water for the Twenty First Century, Can Small Solutions Help Tackle One of the Biggest Problems Facing Humanity?. , 0, , .		0
69	Developing and Validating a Model to Assess Sewer Sediment Issues from Changing Wastewater Inflows and Concentration. <i>Green Energy and Technology</i> , 2019, , 836-841.	0.4	0
70	Monitoring ocean and estuary health. , 2019, , 87-105.		0