

Justin Brookes

List of Publications by Year in descending order

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77
papers

5,402
citations

87886

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82542

72
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78
docs citations

78
times ranked

6060
citing authors

#	ARTICLE	IF	CITATIONS
1	Extreme Climate Anomalies Enhancing Cyanobacterial Blooms in Eutrophic Lake Taihu, China. <i>Water Resources Research</i> , 2021, 57, e2020WR029371.	4.2	60
2	Toolbox for the sampling and monitoring of benthic cyanobacteria. <i>Water Research</i> , 2020, 169, 115222.	11.3	17
3	Are nitrous oxide emissions indirectly fueled by input of terrestrial dissolved organic nitrogen in a large eutrophic Lake Taihu, China?. <i>Science of the Total Environment</i> , 2020, 722, 138005.	8.0	11
4	Water Depth Underpins the Relative Roles and Fates of Nitrogen and Phosphorus in Lakes. <i>Environmental Science & Technology</i> , 2020, 54, 3191-3198.	10.0	247
5	Pick your poison: do cyanotoxins or disinfection by-products pose the greater risk?. <i>Inland Waters</i> , 2019, 9, 345-347.	2.2	2
6	Variability in Dissolved Organic Matter Composition and Biolability across Gradients of Glacial Coverage and Distance from Glacial Terminus on the Tibetan Plateau. <i>Environmental Science & Technology</i> , 2019, 53, 12207-12217.	10.0	37
7	Socio-Cultural Values of Ecosystem Services from Oak Forests in the Eastern Himalaya. <i>Sustainability</i> , 2019, 11, 2250.	3.2	33
8	Influence of the three Gorges Reservoir on the shrinkage of China's two largest freshwater lakes. <i>Global and Planetary Change</i> , 2019, 177, 45-55.	3.5	39
9	Impact of copper sulphate, potassium permanganate, and hydrogen peroxide on <i>Pseudanabaena galeata</i> cell integrity, release and degradation of 2-methylisoborneol. <i>Water Research</i> , 2019, 157, 64-73.	11.3	33
10	Water quality trends in the Three Gorges Reservoir region before and after impoundment (1992–2016). <i>Ecology and Hydrobiology</i> , 2019, 19, 317-327.	2.3	58
11	Spatial distribution of sediment nitrogen and phosphorus in Lake Taihu from a hydrodynamics-induced transport perspective. <i>Science of the Total Environment</i> , 2019, 650, 1554-1565.	8.0	118
12	A multi-lake comparative analysis of the General Lake Model (GLM): Stress-testing across a global observatory network. <i>Environmental Modelling and Software</i> , 2018, 102, 274-291.	4.5	93
13	Predicted risks of groundwater decline in seasonal wetland plant communities depend on basin morphology. <i>Wetlands Ecology and Management</i> , 2018, 26, 359-372.	1.5	6
14	Response of dissolved organic matter optical properties to net inflow runoff in a large fluvial plain lake and the connecting channels. <i>Science of the Total Environment</i> , 2018, 639, 876-887.	8.0	25
15	Geographic and temporal variations in turbulent heat loss from lakes: A global analysis across 45 lakes. <i>Limnology and Oceanography</i> , 2018, 63, 2436-2449.	3.1	47
16	Improving water quality in China: Environmental investment pays dividends. <i>Water Research</i> , 2017, 118, 152-159.	11.3	140
17	Latitude and lake size are important predictors of overlake atmospheric stability. <i>Geophysical Research Letters</i> , 2017, 44, 8875-8883.	4.0	31
18	Benthic cyanobacteria: A source of cylindrospermopsin and microcystin in Australian drinking water reservoirs. <i>Water Research</i> , 2017, 124, 454-464.	11.3	83

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19	Integrated science informs forest and water allocation policies in the South East of Australia. <i>Inland Waters</i> , 2017, 7, 358-371.	2.2	5
20	<scp>DNA</scp> extraction from benthic Cyanobacteria: comparative assessment and optimization. <i>Journal of Applied Microbiology</i> , 2017, 122, 294-304.	3.1	17
21	The persistence of cyanobacterial (<i>Microcystis</i> spp.) blooms throughout winter in Lake Taihu, China. <i>Limnology and Oceanography</i> , 2016, 61, 711-722.	3.1	114
22	Fish diets in a freshwater-deprived semiarid estuary (The Coorong, Australia) as inferred by stable isotope analysis. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 178, 1-11.	2.1	8
23	The role of phytoplankton as pre-cursors for disinfection by-product formation upon chlorination. <i>Water Research</i> , 2016, 102, 229-240.	11.3	70
24	Study of Seasonal Phosphorus Dynamics in Vegetated and Non-vegetated Wetland Sediment Affected by Long-term Agricultural Productions. <i>Journal of Applied Sciences</i> , 2016, 16, 252-261.	0.3	0
25	Fish productivity in the lower lakes and Coorong, Australia, during severe drought. <i>Transactions of the Royal Society of South Australia</i> , 2015, 139, 189-215.	0.4	16
26	A global database of lake surface temperatures collected by in situ and satellite methods from 1985–2009. <i>Scientific Data</i> , 2015, 2, 150008.	5.3	153
27	Repairing Australia's estuaries for improved fisheries production – what benefits, at what cost?. <i>Marine and Freshwater Research</i> , 2015, 66, 493.	1.3	65
28	A Global Lake Ecological Observatory Network (GLEON) for synthesising high-frequency sensor data for validation of deterministic ecological models. <i>Inland Waters</i> , 2015, 5, 49-56.	2.2	62
29	Predicting the resilience and recovery of aquatic systems: A framework for model evolution within environmental observatories. <i>Water Resources Research</i> , 2015, 51, 7023-7043.	4.2	80
30	Green algal over cyanobacterial dominance promoted with nitrogen and phosphorus additions in a mesocosm study at Lake Taihu, China. <i>Environmental Science and Pollution Research</i> , 2015, 22, 5041-5049.	5.3	37
31	Extreme water level decline effects sediment distribution and composition in Lake Alexandrina, South Australia. <i>Limnology</i> , 2014, 15, 117-126.	1.5	12
32	Application of Various Oxidants for Cyanobacteria Control and Cyanotoxin Removal in Wastewater Treatment. <i>Journal of Environmental Engineering, ASCE</i> , 2014, 140, .	1.4	21
33	The effects of various control and water treatment processes on the membrane integrity and toxin fate of cyanobacteria. <i>Journal of Hazardous Materials</i> , 2014, 264, 313-322.	12.4	86
34	Emerging Challenges for the Drinking Water Industry. <i>Environmental Science & Technology</i> , 2014, 48, 2099-2101.	10.0	30
35	Repair and revitalisation of Australia's tropical estuaries and coastal wetlands: Opportunities and constraints for the reinstatement of lost function and productivity. <i>Marine Policy</i> , 2014, 47, 23-38.	3.2	70
36	Environmental factors controlling colony formation in blooms of the cyanobacteria <i>Microcystis</i> spp. in Lake Taihu, China. <i>Harmful Algae</i> , 2014, 31, 136-142.	4.8	105

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37	The interaction between climate warming and eutrophication to promote cyanobacteria is dependent on trophic state and varies among taxa. <i>Limnology and Oceanography</i> , 2014, 59, 99-114.	3.1	333
38	Floodplain connectivity facilitates significant export of zooplankton to the main River Murray channel during a flood event. <i>Inland Waters</i> , 2014, 4, 413-424.	2.2	17
39	Effect of Discharges on the Effectiveness of the Cox Creek Wetland System, South Australia. <i>Journal of Environmental Science and Technology</i> , 2014, 7, 281-293.	0.3	0
40	Impact of potassium permanganate on cyanobacterial cell integrity and toxin release and degradation. <i>Chemosphere</i> , 2013, 92, 529-534.	8.2	75
41	The effect of salinity on the germination of <i>Ruppia tuberosa</i> and <i>Ruppia megacarpa</i> and implications for the Coorong: A coastal lagoon of southern Australia. <i>Aquatic Botany</i> , 2013, 111, 81-88.	1.6	21
42	Evaluating the effectiveness of copper sulphate, chlorine, potassium permanganate, hydrogen peroxide and ozone on cyanobacterial cell integrity. <i>Water Research</i> , 2013, 47, 5153-5164.	11.3	178
43	Effects of diurnal vertical mixing and stratification on phytoplankton productivity in geothermal Lake Rotowhero, New Zealand. <i>Inland Waters</i> , 2013, 3, 369-376.	2.2	7
44	Removal of cyanobacterial metabolites through wastewater treatment plant filters. <i>Water Science and Technology</i> , 2012, 65, 1244-1251.	2.5	6
45	Comparison of efficacy of two P-inactivation agents on sediments from different regions of Lake Taihu: sediment core incubations. <i>Fundamental and Applied Limnology</i> , 2012, 181, 271-281.	0.7	7
46	Eco-physiological adaptations that favour freshwater cyanobacteria in a changing climate. <i>Water Research</i> , 2012, 46, 1394-1407.	11.3	603
47	Assessing granular media filtration for the removal of chemical contaminants from wastewater. <i>Water Research</i> , 2011, 45, 3461-3472.	11.3	53
48	Resilience to Blooms. <i>Science</i> , 2011, 334, 46-47.	12.6	223
49	Assessment of Riverine Ecological Condition in the Fleurieu Peninsula, South Australia: Implications for Restoration. <i>Transactions of the Royal Society of South Australia</i> , 2010, 134, 228-242.	0.4	0
50	Water and climate change: challenges for the 21st century. <i>Journal of Water and Climate Change</i> , 2010, 1, 1-1.	2.9	5
51	Vertical distributions of chlorophyll in deep, warm monomictic lakes. <i>Aquatic Sciences</i> , 2010, 72, 295-307.	1.5	63
52	Reservoir Inflow Monitoring for Improved Management of Treated Water Quality – A South Australian Experience. <i>Water Resources Management</i> , 2010, 24, 4161-4174.	3.9	9
53	Investigations into the biodegradation of microcystin-LR in wastewaters. <i>Journal of Hazardous Materials</i> , 2010, 180, 628-633.	12.4	81
54	Retention of nitrogen, phosphorus and silicon in a large semi-arid riverine lake system. <i>Biogeochemistry</i> , 2010, 99, 49-63.	3.5	72

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55	Ecosystem science: toward a new paradigm for managing Australia's inland aquatic ecosystems. <i>Marine and Freshwater Research</i> , 2009, 60, 271.	1.3	52
56	Effects of light history on primary productivity in a phytoplankton community dominated by the toxic cyanobacterium <i>Cylindrospermopsis raciborskii</i> . <i>Freshwater Biology</i> , 2009, 54, 272-282.	2.4	37
57	Rehabilitation of Stream Ecosystem Functions through the Reintroduction of Coarse Particulate Organic Matter. <i>Restoration Ecology</i> , 2009, 17, 97-106.	2.9	35
58	Separated adsorption and bacterial degradation of microcystins in GAC filtration. <i>International Journal of Environment and Waste Management</i> , 2009, 3, 236.	0.3	3
59	A future for the Coorong and Lower Lakes. <i>Pacific Conservation Biology</i> , 2009, 15, 7.	1.0	6
60	A comparison of phosphorus and DOC leachates from different types of leaf litter in an urban environment. <i>Freshwater Biology</i> , 2008, 53, 1902-1913.	2.4	56
61	Ocean urea fertilization for carbon credits poses high ecological risks. <i>Marine Pollution Bulletin</i> , 2008, 56, 1049-1056.	5.0	58
62	Discriminating and assessing adsorption and biodegradation removal mechanisms during granular activated carbon filtration of microcystin toxins. <i>Water Research</i> , 2007, 41, 4262-4270.	11.3	150
63	Effect of Chlorination on <i>Microcystis aeruginosa</i> Cell Integrity and Subsequent Microcystin Release and Degradation. <i>Environmental Science & Technology</i> , 2007, 41, 4447-4453.	10.0	243
64	Bacterial degradation of microcystin toxins within a biologically active sand filter. <i>Water Research</i> , 2006, 40, 768-774.	11.3	129
65	In situ Evidence for the Association of Total Coliforms and <i>Escherichia coli</i> with Suspended Inorganic Particles in an Australian Reservoir. <i>Water, Air, and Soil Pollution</i> , 2006, 170, 191-209.	2.4	42
66	Applications of ecological stoichiometry for sustainable acquisition of ecosystem services. <i>Oikos</i> , 2005, 109, 52-62.	2.7	36
67	Relative Value of Surrogate Indicators for Detecting Pathogens in Lakes and Reservoirs. <i>Environmental Science & Technology</i> , 2005, 39, 8614-8621.	10.0	69
68	A three dimensional model of <i>Cryptosporidium</i> dynamics in lakes and reservoirs: A new tool for risk management. <i>International Journal of River Basin Management</i> , 2004, 2, 181-197.	2.7	29
69	Interannual variability in rainfall and its impact on nutrient load and phytoplankton in Myponga Reservoir, South Australia. <i>International Journal of River Basin Management</i> , 2004, 2, 169-179.	2.7	12
70	Vertical migration, entrainment and photosynthesis of the freshwater dinoflagellate <i>Peridinium cinctum</i> in a shallow urban lake. <i>Journal of Plankton Research</i> , 2004, 26, 143-157.	1.8	31
71	Numerical models for management of <i>Anabaena circinalis</i> . <i>Journal of Applied Phycology</i> , 2004, 16, 457-468.	2.8	14
72	Fate and transport of pathogens in lakes and reservoirs. <i>Environment International</i> , 2004, 30, 741-759.	10.0	188

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73	Modelling the effects of artificial mixing and copper sulphate dosing on phytoplankton in an Australian reservoir. <i>Lakes and Reservoirs: Research and Management</i> , 2003, 8, 31-40.	0.9	11
74	Changes in the photochemistry of <i>Microcystis aeruginosa</i> in response to light and mixing. <i>New Phytologist</i> , 2003, 158, 151-164.	7.3	49
75	Algal esterase activity as a biomeasure of environmental degradation in a freshwater creek. <i>Aquatic Toxicology</i> , 2002, 59, 209-223.	4.0	95
76	Use of FDA and flow cytometry to assess metabolic activity as an indicator of nutrient status in phytoplankton. <i>Marine and Freshwater Research</i> , 2000, 51, 817.	1.3	56
77	Separation of forms of <i>Microcystis</i> from <i>Anabaena</i> in mixed populations by the application of pressure. <i>Marine and Freshwater Research</i> , 1994, 45, 863.	1.3	15