Alan E Wilson

List of Publications by Year
in descending order

85	3,934	101496	128225
papers	citations	36 h-index	60 g-index

88	88	88	4312
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Why Do Insects Close Their Spiracles? A Meta-Analytic Evaluation of the Adaptive Hypothesis of Discontinuous Gas Exchange in Insects. Insects, 2022, 13, 117.	1.0	6
2	Systematic review and meta-analyses on the effects of whole-body vibration on bone health. Complementary Therapies in Medicine, 2022, 65, 102811.	1.3	6
3	Local adaptation mediates direct and indirect effects of multiple stressors on consumer fitness. Oecologia, 2022, 198, 483-492.	0.9	2
4	The effect of implicit learning on motor performance under psychological pressure: A systematic review and meta-analysis.. Sport, Exercise, and Performance Psychology, 2022, 11, 245-263.	0.6	2
5	A New Method to Address the Importance of Detoxified Enzyme in Insecticide Resistance â€“ Meta-Analysis. Frontiers in Physiology, 2022, 13, 818531.	1.3	1
6	Dissolved nitrogen form mediates phycocyanin content in cyanobacteria. Freshwater Biology, 2022, 67, 954-964.	1.2	10
7	Commercially available unoccupied aerial systems for monitoring harmful algal blooms: A comparative study. Limnology and Oceanography: Methods, 2022, 20, 146-158.	1.0	11
8	Can correlational analyses help determine the drivers of microcystin occurrence in freshwater ecosystems? A meta-analysis of microcystin and associated water quality parameters. Environmental Monitoring and Assessment, 2022, 194, .	1.3	1
9	Parasites and pesticides act antagonistically on honey bee health. Journal of Applied Ecology, 2021, 58, 997-1005.	1.9	20
10	Field evaluation of seven products to control cyanobacterial blooms in aquaculture. Environmental Science and Pollution Research, 2021, 28, 29971-29983.	2.7	21
11	Contrasting patterns of 2-methylisoborneol (MIB) vs. geosmin across depth in a drinking water reservoir are mediated by cyanobacteria and actinobacteria. Environmental Science and Pollution Research, 2021, 28, 32005-32014.	2.7	8
12	Carlson's Trophic State Index is a poor predictor of cyanobacterial dominance in drinking water reservoirs. AWWA Water Science, 2021, 3, e1219.	1.0	5
13	Draft genomes for one Microcystis-resistant and one Microcystis-sensitive strain of the water flea, Daphnia pulicaria. G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	1
14	Production of Daphnia zooplankton on wastewater-grown algae for sustainable conversion of waste nutrients to fish feed. Journal of Cleaner Production, 2021, 310, 127501.	4.6	10
15	Predicting microcystin occurrence in freshwater lakes and reservoirs: assessing environmental variables. Inland Waters, 2021, 11, 430-444.	1.1	5
16	Meta-analysis of Gender Performance Gaps in Undergraduate Natural Science Courses. CBE Life Sciences Education, 2021, 20, ar40.	1.1	8
17	Zooplankton as an alternative method for controlling phytoplankton in catfish pond aquaculture. Aquaculture Reports, 2021, 21, 100897.	0.7	8
18	The global Microcystis interactome. Limnology and Oceanography, 2020, 65, S194-S207.	1.6	63

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19	Success of fishmeal replacement through poultry byâ€product meal in aquaculture feed formulations: a metaâ€analysis. Reviews in Aquaculture, 2020, 12, 1624-1636.	4.6	92
20	The role of hydraulic conditions of coagulation and flocculation on the damage of cyanobacteria. Science of the Total Environment, 2020, 740, 139737.	3.9	11
21	Icyano: a cyanobacterial bloom vulnerability index for drinking water treatment plants. Water Science and Technology: Water Supply, 2020, 20, 3517-3530.	1.0	3
22	Application of metaâ€analysis towards understanding the effect of adding a methionine hydroxy analogue in the diet on growth performance and feed utilization of fish and shrimp. Reviews in Aquaculture, 2020, 12, 2316-2332.	4.6	15
23	The relative importance of various mating criteria in copepods. Journal of Plankton Research, 2020, 42, 19-30.	0.8	1
24	MYONECROSIS AND DEATH DUE TO PRESUMED MICROCYSTIN TOXICOSIS IN AMERICAN WHITE PELICANS (PELECANUS ERYTHRORHYNCOS). Journal of Zoo and Wildlife Medicine, 2020, 51, 407.	0.3	5
25	Sequencing Disparity in the Genomic Era. Molecular Biology and Evolution, 2019, 36, 1624-1627.	3.5	17
26	Copepod respiration increases by 7% per Â°C increase in temperature: A metaâ€analysis. Limnology and Oceanography Letters, 2019, 4, 53-61.	1.6	17
27	Environmental factors associated with toxic cyanobacterial blooms across 20 drinking water reservoirs in a semi-arid region of Brazil. Harmful Algae, 2019, 86, 128-137.	2.2	47
28	Aedes albopictus is a competent vector of Zika virus: A meta-analysis. PLoS ONE, 2019, 14, e0216794.	1.1	55
29	Who let the cats out? A global meta-analysis on risk of parasitic infection in indoor versus outdoor domestic cats (Felis catus). Biology Letters, 2019, 15, 20180840.	1.0	53
30	Consumer adaptation mediates topâ€“down regulation across a productivity gradient. Oecologia, 2019, 190, 195-205.	0.9	7
31	When do herbivorous insects compete? A phylogenetic metaâ€analysis. Ecology Letters, 2019, 22, 875-883.	3.0	23
32	Eutrophication mediates rapid clonal evolution in Daphnia pulicaria. Freshwater Biology, 2019, 64, 1275-1283.	1.2	10
33	Comparisons between Aquaponic and Conventional Hydroponic Crop Yields: A Meta-Analysis. Sustainability, 2019, 11, 6511.	1.6	16
34	A meta-analysis of growth rate in diploid and triploid oysters. Aquaculture, 2019, 499, 9-16.	1.7	44
35	Bacillus velezensis AP193 exerts probiotic effects in channel catfish (Ictalurus punctatus) and reduces aquaculture pond eutrophication. Aquaculture, 2019, 503, 347-356.	1.7	79
36	Phytoplankton N₂-fixation efficiency and its effect on harmful algal blooms. Freshwater Science, 2018, 37, 264-275.	0.9	8

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37	Pond bank access as an approach for managing toxic cyanobacteria in beef cattle pasture drinking water ponds. Environmental Monitoring and Assessment, 2018, 190, 247.	1.3	5
38	Physicochemical characteristics of a southern Lake Michigan river plume. Journal of Great Lakes Research, 2018, 44, 209-218.	0.8	10
39	Carotenoid metabolism strengthens the link between feather coloration and individual quality. Nature Communications, 2018, 9, 73.	5.8	136
40	Diversity of cyanobacteria and the presence of cyanotoxins in the epilimnion of Lake Yerevan (Armenia). Toxicon, 2018, 150, 28-38.	0.8	11
41	Assessing Science Training Programs: Structured Undergraduate Research Programs Make a Difference. BioScience, 2018, 68, 529-534.	2.2	44
42	Hydrogen peroxide treatment promotes chlorophytes over toxic cyanobacteria in a hyper-eutrophic aquaculture pond. Environmental Pollution, 2018, 240, 590-598.	3.7	64
43	Effectiveness of Fungicide on Soybean Rust in the Southeastern United States: A Meta-Analysis. Sustainability, 2018, 10, 1784.	1.6	8
44	Cladoceran offspring tolerance to toxic Microcystis is promoted by maternal warming. Environmental Pollution, 2017, 227, 451-459.	3.7	27
45	Nutrient enrichment and vertical mixing mediate 2-methylisoborneol and geosmin concentrations in a drinking water reservoir. Water Science and Technology: Water Supply, 2017, 17, 500-507.	1.0	4
46	Maternal consumption of nonâ€toxic Microcystis by Daphnia magna induces tolerance to toxic Microcystis in offspring. Freshwater Biology, 2016, 61, 219-228.	1.2	39
47	Vehicle Exposure and Spinal Musculature Fatigue in Military Warfighters: A Meta-Analysis. Journal of Athletic Training, 2016, 51, 981-990.	0.9	9
48	The interaction between cyanobacteria and zooplankton in a more eutrophic world. Harmful Algae, 2016, 54, 128-144.	2.2	218
49	The Importance of Carotenoid Dose in Supplementation Studies with Songbirds. Physiological and Biochemical Zoology, 2016, 89, 61-71.	0.6	17
50	A Meta-Analysis to Determine if Lower Extremity Muscle Strengthening Should Be Included in Military Knee Overuse Injury-Prevention Programs. Journal of Athletic Training, 2016, 51, 919-926.	0.9	22
51	Eutrophication mediates a common off-flavor compound, 2-methylisoborneol, in a drinking water reservoir. Water Research, 2016, 92, 228-234.	5.3	54
52	Formalizing the definition of metaâ€analysis in Molecular Ecology. Molecular Ecology, 2015, 24, 4042-4051.	2.0	14
53	Effects of vehicle-ride exposure on cervical pathology: a meta-analysis. Industrial Health, 2015, 53, 197-205.	0.4	9
54	Arginine kinase in the cladoceran Daphnia magna: cDNA sequencing and expression is associated with resistance to toxic Microcystis. Aquatic Toxicology, 2015, 160, 13-21.	1.9	29

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55	A metaâ€analysis of plasma corticosterone and heterophilÂ:Âlymphocyte ratios â€“ is there conservation of physiological stress responses over time?. Functional Ecology, 2015, 29, 1189-1196.	1.7	66
56	Whole-Body Vibration and Blood Flow and Muscle Oxygenation: A Meta-Analysis. Journal of Athletic Training, 2015, 50, 542-549.	0.9	65
57	Efficacy of bovine viral diarrhea virus vaccination to prevent reproductive disease: A meta-analysis. Theriogenology, 2015, 83, 360-365.e1.	0.9	63
58	Benchtop fluorometry of phycocyanin as a rapid approach for estimating cyanobacterial biovolume. Journal of Plankton Research, 2015, 37, 248-257.	0.8	51
59	RECOGNITION OF AN IMPORTANT WATER QUALITY ISSUE AT ZOOS: PREVALENCE AND POTENTIAL THREAT OF TOXIC CYANOBACTERIA. Journal of Zoo and Wildlife Medicine, 2014, 45, 165-168.	0.3	8
60	Cylindrospermopsis raciborskii dominates under very low and high nitrogen-to-phosphorus ratios. Water Research, 2014, 49, 207-214.	5.3	72
61	Altered expression of Na+/K+â€“ATPase and other osmoregulatory genes in the gills of euryhaline animals in response to salinity transfer: A meta-analysis of 59 quantitative PCR studies over 10years. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2013, 8, 131-140.	0.4	58
62	Do high concentrations of microcystin prevent Daphnia control of phytoplankton?. Water Research, 2013, 47, 1961-1970.	5.3	80
63	Large effects of consumer offense on ecosystem structure and function. Ecology, 2013, 94, 2375-2380.	1.5	47
64	Biomagnification or biodilution of microcystins in aquatic foodwebs? Meta-analyses of laboratory and field studies. Harmful Algae, 2012, 18, 47-55.	2.2	64
65	Getting the fundamentals of movement: a metaâ€analysis of the effectiveness of motor skill interventions in children. Child: Care, Health and Development, 2012, 38, 305-315.	0.8	370
66	Indirect consequences of hypolimnetic hypoxia on zooplankton growth in a large eutrophic lake. Aquatic Biology, 2012, 16, 217-227.	0.5	18
67	Bioaccumulation of microcystins by fish associated with a persistent cyanobacterial bloom in Lago de Patzcuaro (Michoacan, Mexico). Environmental Toxicology and Chemistry, 2011, 30, 1621-1628.	2.2	48
68	Large variation in vulnerability to grazing within a population of the colonial phytoplankter, Microcystis aeruginosa. Limnology and Oceanography, 2011, 56, 1714-1724.	1.6	25
69	Growth Rate Consequences of Coloniality in a Harmful Phytoplankter. PLoS ONE, 2010, 5, e8679.	1.1	40
70	Invasive zebra mussels (Dreissena polymorpha) increase cyanobacterial toxin concentrations in low-nutrient lakes. Canadian Journal of Fisheries and Aquatic Sciences, 2008, 65, 448-455.	0.7	81
71	Evaluation of the human health threat associated with the hepatotoxin microcystin in the muscle and liver tissues of yellow perch (Perca flavescens). Canadian Journal of Fisheries and Aquatic Sciences, 2008, 65, 1487-1497.	0.7	46
72	TYPE III FUNCTIONAL RESPONSE INDAPHNIA. Ecology, 2008, 89, 1723-1732.	1.5	97

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73	Meta-analysis of cyanobacterial effects on zooplankton population growth rate: species-specific responses. Fundamental and Applied Limnology, 2008, 171, 285-295.	0.4	127
74	A direct test of cyanobacterial chemical defense: Variable effects of microcystin-treated food on two Daphnia pulicaria clones. Limnology and Oceanography, 2007, 52, 1467-1479.	1.6	45
75	Journal Impact Factors Are Inflated. BioScience, 2007, 57, 550-551.	2.2	19
76	Effects of cyanobacterial toxicity and morphology on the population growth of freshwater zooplankton: Metaâ€analyses of laboratory experiments. Limnology and Oceanography, 2006, 51, 1915-1924.	1.6	262
77	Intraspecific Variation in Growth and Morphology of the Bloom-Forming Cyanobacterium Microcystis aeruginosa. Applied and Environmental Microbiology, 2006, 72, 7386-7389.	1.4	73
78	Complex interactions between the zebra mussel, Dreissena polymorpha, and the harmful phytoplankter, Microcystis aeruginosa. Limnology and Oceanography, 2005, 50, 896-904.	1.6	78
79	Genetic Variation of the Bloom-Forming Cyanobacterium Microcystis aeruginosa within and among Lakes: Implications for Harmful Algal Blooms. Applied and Environmental Microbiology, 2005, 71, 6126-6133.	1.4	123
80	Local adaptation of Daphnia pulicaria to toxic cyanobacteria. Limnology and Oceanography, 2005, 50, 1565-1570.	1.6	149
81	Mutualisms and Aquatic Community Structure: The Enemy of My Enemy Is My Friend. Annual Review of Ecology, Evolution, and Systematics, 2004, 35, 175-197.	3.8	167
82	Dominance of the noxious cyanobacterium Microcystis aeruginosa in lowâ€nutrient lakes is associated with exotic zebra mussels. Limnology and Oceanography, 2004, 49, 482-487.	1.6	129
83	Effects of zebra mussels on phytoplankton and ciliates: a field mesocosm experiment. Journal of Plankton Research, 2003, 25, 905-915.	0.8	24
84	Relationship between zebra mussel biomass and total phosphorus in European and North American lakes. Fundamental and Applied Limnology, 2002, 153, 339-351.	0.4	21
85	Grazing by an endemic atyid shrimp controls microbial communities in the Hawaiian anchialine ecosystem. Limnology and Oceanography, 0, , .	1.6	1