

Alan E Wilson

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

3,934
citations

101496

36
h-index

128225

60
g-index

88
all docs

88
docs citations

88
times ranked

4312
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Getting the fundamentals of movement: a meta-analysis of the effectiveness of motor skill interventions in children. <i>Child: Care, Health and Development</i> , 2012, 38, 305-315. | 0.8 | 370 |
| 2 | Effects of cyanobacterial toxicity and morphology on the population growth of freshwater zooplankton: Meta-analyses of laboratory experiments. <i>Limnology and Oceanography</i> , 2006, 51, 1915-1924. | 1.6 | 262 |
| 3 | The interaction between cyanobacteria and zooplankton in a more eutrophic world. <i>Harmful Algae</i> , 2016, 54, 128-144. | 2.2 | 218 |
| 4 | Mutualisms and Aquatic Community Structure: The Enemy of My Enemy Is My Friend. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2004, 35, 175-197. | 3.8 | 167 |
| 5 | Local adaptation of <i>Daphnia pulicaria</i> to toxic cyanobacteria. <i>Limnology and Oceanography</i> , 2005, 50, 1565-1570. | 1.6 | 149 |
| 6 | Carotenoid metabolism strengthens the link between feather coloration and individual quality. <i>Nature Communications</i> , 2018, 9, 73. | 5.8 | 136 |
| 7 | Dominance of the noxious cyanobacterium <i>Microcystis aeruginosa</i> in low-nutrient lakes is associated with exotic zebra mussels. <i>Limnology and Oceanography</i> , 2004, 49, 482-487. | 1.6 | 129 |
| 8 | Meta-analysis of cyanobacterial effects on zooplankton population growth rate: species-specific responses. <i>Fundamental and Applied Limnology</i> , 2008, 171, 285-295. | 0.4 | 127 |
| 9 | Genetic Variation of the Bloom-Forming Cyanobacterium <i>Microcystis aeruginosa</i> within and among Lakes: Implications for Harmful Algal Blooms. <i>Applied and Environmental Microbiology</i> , 2005, 71, 6126-6133. | 1.4 | 123 |
| 10 | TYPE III FUNCTIONAL RESPONSE IN DAPHNIA. <i>Ecology</i> , 2008, 89, 1723-1732. | 1.5 | 97 |
| 11 | Success of fishmeal replacement through poultry by-product meal in aquaculture feed formulations: a meta-analysis. <i>Reviews in Aquaculture</i> , 2020, 12, 1624-1636. | 4.6 | 92 |
| 12 | Invasive zebra mussels (<i>Dreissena polymorpha</i>) increase cyanobacterial toxin concentrations in low-nutrient lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2008, 65, 448-455. | 0.7 | 81 |
| 13 | Do high concentrations of microcystin prevent <i>Daphnia</i> control of phytoplankton?. <i>Water Research</i> , 2013, 47, 1961-1970. | 5.3 | 80 |
| 14 | <i>Bacillus velezensis</i> AP193 exerts probiotic effects in channel catfish (<i>Ictalurus punctatus</i>) and reduces aquaculture pond eutrophication. <i>Aquaculture</i> , 2019, 503, 347-356. | 1.7 | 79 |
| 15 | Complex interactions between the zebra mussel, <i>Dreissena polymorpha</i> , and the harmful phytoplankton, <i>Microcystis aeruginosa</i> . <i>Limnology and Oceanography</i> , 2005, 50, 896-904. | 1.6 | 78 |
| 16 | Intraspecific Variation in Growth and Morphology of the Bloom-Forming Cyanobacterium <i>Microcystis aeruginosa</i> . <i>Applied and Environmental Microbiology</i> , 2006, 72, 7386-7389. | 1.4 | 73 |
| 17 | <i>Cylindrospermopsis raciborskii</i> dominates under very low and high nitrogen-to-phosphorus ratios. <i>Water Research</i> , 2014, 49, 207-214. | 5.3 | 72 |
| 18 | A meta-analysis of plasma corticosterone and heterophil:lymphocyte ratios "is there conservation of physiological stress responses over time?. <i>Functional Ecology</i> , 2015, 29, 1189-1196. | 1.7 | 66 |

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|----|---|-----|-----------|
| 19 | Whole-Body Vibration and Blood Flow and Muscle Oxygenation: A Meta-Analysis. <i>Journal of Athletic Training</i> , 2015, 50, 542-549. | 0.9 | 65 |
| 20 | Biomagnification or biodilution of microcystins in aquatic foodwebs? Meta-analyses of laboratory and field studies. <i>Harmful Algae</i> , 2012, 18, 47-55. | 2.2 | 64 |
| 21 | Hydrogen peroxide treatment promotes chlorophytes over toxic cyanobacteria in a hyper-eutrophic aquaculture pond. <i>Environmental Pollution</i> , 2018, 240, 590-598. | 3.7 | 64 |
| 22 | Efficacy of bovine viral diarrhea virus vaccination to prevent reproductive disease: A meta-analysis. <i>Theriogenology</i> , 2015, 83, 360-365.e1. | 0.9 | 63 |
| 23 | The global <i>Microcystis</i> interactome. <i>Limnology and Oceanography</i> , 2020, 65, S194-S207. | 1.6 | 63 |
| 24 | Altered expression of Na ⁺ /K ⁺ -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. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2013, 8, 131-140. | 0.4 | 58 |
| 25 | <i>Aedes albopictus</i> is a competent vector of Zika virus: A meta-analysis. <i>PLoS ONE</i> , 2019, 14, e0216794. | 1.1 | 55 |
| 26 | Eutrophication mediates a common off-flavor compound, 2-methylisoborneol, in a drinking water reservoir. <i>Water Research</i> , 2016, 92, 228-234. | 5.3 | 54 |
| 27 | Who let the cats out? A global meta-analysis on risk of parasitic infection in indoor versus outdoor domestic cats (<i>Felis catus</i>). <i>Biology Letters</i> , 2019, 15, 20180840. | 1.0 | 53 |
| 28 | Benchtop fluorometry of phycocyanin as a rapid approach for estimating cyanobacterial biovolume. <i>Journal of Plankton Research</i> , 2015, 37, 248-257. | 0.8 | 51 |
| 29 | Bioaccumulation of microcystins by fish associated with a persistent cyanobacterial bloom in Lago de Patzcuaro (Michoacan, Mexico). <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1621-1628. | 2.2 | 48 |
| 30 | Large effects of consumer offense on ecosystem structure and function. <i>Ecology</i> , 2013, 94, 2375-2380. | 1.5 | 47 |
| 31 | Environmental factors associated with toxic cyanobacterial blooms across 20 drinking water reservoirs in a semi-arid region of Brazil. <i>Harmful Algae</i> , 2019, 86, 128-137. | 2.2 | 47 |
| 32 | Evaluation of the human health threat associated with the hepatotoxin microcystin in the muscle and liver tissues of yellow perch (<i>Perca flavescens</i>). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2008, 65, 1487-1497. | 0.7 | 46 |
| 33 | A direct test of cyanobacterial chemical defense: Variable effects of microcystin-treated food on two <i>Daphnia pulex</i> clones. <i>Limnology and Oceanography</i> , 2007, 52, 1467-1479. | 1.6 | 45 |
| 34 | Assessing Science Training Programs: Structured Undergraduate Research Programs Make a Difference. <i>BioScience</i> , 2018, 68, 529-534. | 2.2 | 44 |
| 35 | A meta-analysis of growth rate in diploid and triploid oysters. <i>Aquaculture</i> , 2019, 499, 9-16. | 1.7 | 44 |
| 36 | Growth Rate Consequences of Coloniality in a Harmful Phytoplankter. <i>PLoS ONE</i> , 2010, 5, e8679. | 1.1 | 40 |

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|----|---|-----|-----------|
| 37 | Maternal consumption of non-toxic <i>Microcystis</i> by <i>Daphnia magna</i> induces tolerance to toxic <i>Microcystis</i> in offspring. <i>Freshwater Biology</i> , 2016, 61, 219-228. | 1.2 | 39 |
| 38 | Arginine kinase in the cladoceran <i>Daphnia magna</i> : cDNA sequencing and expression is associated with resistance to toxic <i>Microcystis</i> . <i>Aquatic Toxicology</i> , 2015, 160, 13-21. | 1.9 | 29 |
| 39 | Cladoceran offspring tolerance to toxic <i>Microcystis</i> is promoted by maternal warming. <i>Environmental Pollution</i> , 2017, 227, 451-459. | 3.7 | 27 |
| 40 | Large variation in vulnerability to grazing within a population of the colonial phytoplankter, <i>Microcystis aeruginosa</i> . <i>Limnology and Oceanography</i> , 2011, 56, 1714-1724. | 1.6 | 25 |
| 41 | Effects of zebra mussels on phytoplankton and ciliates: a field mesocosm experiment. <i>Journal of Plankton Research</i> , 2003, 25, 905-915. | 0.8 | 24 |
| 42 | When do herbivorous insects compete? A phylogenetic meta-analysis. <i>Ecology Letters</i> , 2019, 22, 875-883. | 3.0 | 23 |
| 43 | A Meta-Analysis to Determine if Lower Extremity Muscle Strengthening Should Be Included in Military Knee Overuse Injury-Prevention Programs. <i>Journal of Athletic Training</i> , 2016, 51, 919-926. | 0.9 | 22 |
| 44 | Field evaluation of seven products to control cyanobacterial blooms in aquaculture. <i>Environmental Science and Pollution Research</i> , 2021, 28, 29971-29983. | 2.7 | 21 |
| 45 | Relationship between zebra mussel biomass and total phosphorus in European and North American lakes. <i>Fundamental and Applied Limnology</i> , 2002, 153, 339-351. | 0.4 | 21 |
| 46 | Parasites and pesticides act antagonistically on honey bee health. <i>Journal of Applied Ecology</i> , 2021, 58, 997-1005. | 1.9 | 20 |
| 47 | Journal Impact Factors Are Inflated. <i>BioScience</i> , 2007, 57, 550-551. | 2.2 | 19 |
| 48 | Indirect consequences of hypolimnetic hypoxia on zooplankton growth in a large eutrophic lake. <i>Aquatic Biology</i> , 2012, 16, 217-227. | 0.5 | 18 |
| 49 | The Importance of Carotenoid Dose in Supplementation Studies with Songbirds. <i>Physiological and Biochemical Zoology</i> , 2016, 89, 61-71. | 0.6 | 17 |
| 50 | Sequencing Disparity in the Genomic Era. <i>Molecular Biology and Evolution</i> , 2019, 36, 1624-1627. | 3.5 | 17 |
| 51 | Copepod respiration increases by 7% per $^{\circ}\text{C}$ increase in temperature: A meta-analysis. <i>Limnology and Oceanography Letters</i> , 2019, 4, 53-61. | 1.6 | 17 |
| 52 | Comparisons between Aquaponic and Conventional Hydroponic Crop Yields: A Meta-Analysis. <i>Sustainability</i> , 2019, 11, 6511. | 1.6 | 16 |
| 53 | Application of meta-analysis towards understanding the effect of adding a methionine hydroxy analogue in the diet on growth performance and feed utilization of fish and shrimp. <i>Reviews in Aquaculture</i> , 2020, 12, 2316-2332. | 4.6 | 15 |
| 54 | Formalizing the definition of meta-analysis in <i>Molecular Ecology</i> . <i>Molecular Ecology</i> , 2015, 24, 4042-4051. | 2.0 | 14 |

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|----|--|-----|-----------|
| 55 | Diversity of cyanobacteria and the presence of cyanotoxins in the epilimnion of Lake Yerevan (Armenia). <i>Toxicon</i> , 2018, 150, 28-38. | 0.8 | 11 |
| 56 | The role of hydraulic conditions of coagulation and flocculation on the damage of cyanobacteria. <i>Science of the Total Environment</i> , 2020, 740, 139737. | 3.9 | 11 |
| 57 | Commercially available unoccupied aerial systems for monitoring harmful algal blooms: A comparative study. <i>Limnology and Oceanography: Methods</i> , 2022, 20, 146-158. | 1.0 | 11 |
| 58 | Physicochemical characteristics of a southern Lake Michigan river plume. <i>Journal of Great Lakes Research</i> , 2018, 44, 209-218. | 0.8 | 10 |
| 59 | Eutrophication mediates rapid clonal evolution in <i>Daphnia pulex</i> . <i>Freshwater Biology</i> , 2019, 64, 1275-1283. | 1.2 | 10 |
| 60 | Production of <i>Daphnia</i> zooplankton on wastewater-grown algae for sustainable conversion of waste nutrients to fish feed. <i>Journal of Cleaner Production</i> , 2021, 310, 127501. | 4.6 | 10 |
| 61 | Dissolved nitrogen form mediates phycocyanin content in cyanobacteria. <i>Freshwater Biology</i> , 2022, 67, 954-964. | 1.2 | 10 |
| 62 | Effects of vehicle-ride exposure on cervical pathology: a meta-analysis. <i>Industrial Health</i> , 2015, 53, 197-205. | 0.4 | 9 |
| 63 | Vehicle Exposure and Spinal Musculature Fatigue in Military Warfighters: A Meta-Analysis. <i>Journal of Athletic Training</i> , 2016, 51, 981-990. | 0.9 | 9 |
| 64 | RECOGNITION OF AN IMPORTANT WATER QUALITY ISSUE AT ZOOS: PREVALENCE AND POTENTIAL THREAT OF TOXIC CYANOBACTERIA. <i>Journal of Zoo and Wildlife Medicine</i> , 2014, 45, 165-168. | 0.3 | 8 |
| 65 | Phytoplankton N-fixation efficiency and its effect on harmful algal blooms. <i>Freshwater Science</i> , 2018, 37, 264-275. | 0.9 | 8 |
| 66 | Effectiveness of Fungicide on Soybean Rust in the Southeastern United States: A Meta-Analysis. <i>Sustainability</i> , 2018, 10, 1784. | 1.6 | 8 |
| 67 | Contrasting patterns of 2-methylisoborneol (MIB) vs. geosmin across depth in a drinking water reservoir are mediated by cyanobacteria and actinobacteria. <i>Environmental Science and Pollution Research</i> , 2021, 28, 32005-32014. | 2.7 | 8 |
| 68 | Meta-analysis of Gender Performance Gaps in Undergraduate Natural Science Courses. <i>CBE Life Sciences Education</i> , 2021, 20, ar40. | 1.1 | 8 |
| 69 | Zooplankton as an alternative method for controlling phytoplankton in catfish pond aquaculture. <i>Aquaculture Reports</i> , 2021, 21, 100897. | 0.7 | 8 |
| 70 | Consumer adaptation mediates top-down regulation across a productivity gradient. <i>Oecologia</i> , 2019, 190, 195-205. | 0.9 | 7 |
| 71 | Why Do Insects Close Their Spiracles? A Meta-Analytic Evaluation of the Adaptive Hypothesis of Discontinuous Gas Exchange in Insects. <i>Insects</i> , 2022, 13, 117. | 1.0 | 6 |
| 72 | Systematic review and meta-analyses on the effects of whole-body vibration on bone health. <i>Complementary Therapies in Medicine</i> , 2022, 65, 102811. | 1.3 | 6 |

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|----|---|-----|-----------|
| 73 | Pond bank access as an approach for managing toxic cyanobacteria in beef cattle pasture drinking water ponds. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 247. | 1.3 | 5 |
| 74 | Carlson's Trophic State Index is a poor predictor of cyanobacterial dominance in drinking water reservoirs. <i>AWWA Water Science</i> , 2021, 3, e1219. | 1.0 | 5 |
| 75 | Predicting microcystin occurrence in freshwater lakes and reservoirs: assessing environmental variables. <i>Inland Waters</i> , 2021, 11, 430-444. | 1.1 | 5 |
| 76 | MYONECROSIS AND DEATH DUE TO PRESUMED MICROCYSTIN TOXICOSIS IN AMERICAN WHITE PELICANS (PELECANUS ERYTHORHYNOS). <i>Journal of Zoo and Wildlife Medicine</i> , 2020, 51, 407. | 0.3 | 5 |
| 77 | Nutrient enrichment and vertical mixing mediate 2-methylisoborneol and geosmin concentrations in a drinking water reservoir. <i>Water Science and Technology: Water Supply</i> , 2017, 17, 500-507. | 1.0 | 4 |
| 78 | <i>lcyno</i>: a cyanobacterial bloom vulnerability index for drinking water treatment plants. <i>Water Science and Technology: Water Supply</i> , 2020, 20, 3517-3530. | 1.0 | 3 |
| 79 | Local adaptation mediates direct and indirect effects of multiple stressors on consumer fitness. <i>Oecologia</i> , 2022, 198, 483-492. | 0.9 | 2 |
| 80 | The effect of implicit learning on motor performance under psychological pressure: A systematic review and meta-analysis.. <i>Sport, Exercise, and Performance Psychology</i> , 2022, 11, 245-263. | 0.6 | 2 |
| 81 | The relative importance of various mating criteria in copepods. <i>Journal of Plankton Research</i> , 2020, 42, 19-30. | 0.8 | 1 |
| 82 | Draft genomes for one Microcystis-resistant and one Microcystis-sensitive strain of the water flea, <i>Daphnia pulex</i> . <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, . | 0.8 | 1 |
| 83 | A New Method to Address the Importance of Detoxified Enzyme in Insecticide Resistance “ Meta-Analysis. <i>Frontiers in Physiology</i> , 2022, 13, 818531. | 1.3 | 1 |
| 84 | Can correlational analyses help determine the drivers of microcystin occurrence in freshwater ecosystems? A meta-analysis of microcystin and associated water quality parameters. <i>Environmental Monitoring and Assessment</i> , 2022, 194, . | 1.3 | 1 |
| 85 | Grazing by an endemic atyid shrimp controls microbial communities in the Hawaiian anchialine ecosystem. <i>Limnology and Oceanography</i> , 0, , . | 1.6 | 1 |