

# W Gregory Cope

## List of Publications by Year in descending order

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98  
papers

2,619  
citations

218592

26  
h-index

214721

47  
g-index

100  
all docs

100  
docs citations

100  
times ranked

2719  
citing authors

#	ARTICLE	IF	CITATIONS
1	Differential exposure, duration, and sensitivity of unionoidean bivalve life stages to environmental contaminants. <i>Journal of the North American Benthological Society</i> , 2008, 27, 451-462.	3.0	161
2	Bioavailability of PAHs: Effects of Soot Carbon and PAH Source. <i>Environmental Science &amp; Technology</i> , 2004, 38, 2029-2037.	4.6	159
3	WATER QUALITY GUIDANCE FOR PROTECTION OF FRESHWATER MUSSELS (UNIONIDAE) FROM AMMONIA EXPOSURE. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 2569.	2.2	156
4	Environmental occurrence and reproductive effects of the pharmaceutical fluoxetine in native freshwater mussels. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 1311-1318.	2.2	152
5	Analysis of functional traits in reconfigured channels: implications for the bioassessment and disturbance of river restoration. <i>Journal of the North American Benthological Society</i> , 2009, 28, 80-92.	3.0	103
6	Acute and chronic toxicity of glyphosate compounds to glochidia and juveniles of <i>Lampsilis siliquoidea</i> (unionidae). <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 2094-2100.	2.2	87
7	MERCURY ACCUMULATION IN YELLOW PERCH IN WISCONSIN SEEPAGE LAKES: RELATION TO LAKE CHARACTERISTICS. <i>Environmental Toxicology and Chemistry</i> , 1990, 9, 931.	2.2	84
8	Evaluation of freshwater mussel relocation as a conservation and management strategy. <i>River Research and Applications</i> , 1995, 11, 147-155.	1.1	81
9	Mercury accumulation in yellow perch in wisconsin seepage lakes: Relation to lake characteristics. <i>Environmental Toxicology and Chemistry</i> , 1990, 9, 931-940.	2.2	76
10	Upper thermal tolerances of early life stages of freshwater mussels. <i>Journal of the North American Benthological Society</i> , 2010, 29, 959-969.	3.0	75
11	Toxicity of Candidate Molluscicides to Zebra Mussels ( <i>Dreissena polymorpha</i> ) and Selected Nontarget Organisms. <i>Journal of Great Lakes Research</i> , 1993, 19, 695-702.	0.8	69
12	Salinity Tolerance of Flathead Catfish: Implications for Dispersal of Introduced Populations. <i>Transactions of the American Fisheries Society</i> , 2005, 134, 927-936.	0.6	56
13	Metabolomic, behavioral, and reproductive effects of the synthetic estrogen 17 $\beta$ -ethinylestradiol on the unionid mussel <i>Lampsilis fasciola</i> . <i>Aquatic Toxicology</i> , 2014, 150, 103-116.	1.9	51
14	The Influence of Fish Length on Tissue Mercury Dynamics: Implications for Natural Resource Management and Human Health Risk. <i>International Journal of Environmental Research and Public Health</i> , 2013, 10, 638-659.	1.2	49
15	Bioassessment of Mercury, Cadmium, Polychlorinated Biphenyls, and Pesticides in the Upper Mississippi River with Zebra Mussels ( <i>Dreissena polymorpha</i> ). <i>Environmental Science &amp; Technology</i> , 1999, 33, 4385-4390.	4.6	48
16	Trophodynamics of Per- and Polyfluoroalkyl Substances in the Food Web of a Large Atlantic Slope River. <i>Environmental Science &amp; Technology</i> , 2020, 54, 6800-6811.	4.6	47
17	Environmental fate of chlorothalonil in a Costa Rican banana plantation. <i>Chemosphere</i> , 2007, 69, 1166-1174.	4.2	44
18	Acetylcholinesterase Inhibition in the Threeridge Mussel ( <i>Amblema plicata</i> ) by Chlorpyrifos: Implications for Biomonitoring. <i>Ecotoxicology and Environmental Safety</i> , 2001, 49, 91-98.	2.9	40

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19	EVALUATION OF RELOCATION OF UNIONID MUSSELS TO IN SITU REFUGIA. <i>Journal of Molluscan Studies</i> , 2003, 69, 27-34.	0.4	36
20	Burrowing, byssus, and biomarkers: behavioral and physiological indicators of sublethal thermal stress in freshwater mussels (Unionidae). <i>Marine and Freshwater Behaviour and Physiology</i> , 2013, 46, 229-250.	0.4	36
21	Does proximity to coal-fired power plants influence fish tissue mercury?. <i>Ecotoxicology</i> , 2010, 19, 1601-1611.	1.1	35
22	Survival and behaviour of juvenile unionid mussels exposed to thermal stress and dewatering in the presence of a sediment temperature gradient. <i>Freshwater Biology</i> , 2014, 59, 601-613.	1.2	35
23	Assessing Organic Contaminants in Fish: A Comparison of a Nonlethal Tissue Sampling Technique to Mobile and Stationary Passive Sampling Devices. <i>Environmental Science &amp; Technology</i> , 2005, 39, 7601-7608.	4.6	34
24	Acute toxicity of polyacrylamide flocculants to early life stages of freshwater mussels. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 2715-2721.	2.2	32
25	Rapid decreases in salinity, but not increases, lead to immune dysregulation in Nile tilapia, <i>Oreochromis niloticus</i> (L.). <i>Journal of Fish Diseases</i> , 2013, 36, 389-399.	0.9	31
26	A Statewide Assessment of Mercury Dynamics in North Carolina Water Bodies and Fish. <i>Transactions of the American Fisheries Society</i> , 2009, 138, 1328-1341.	0.6	28
27	Partial life cycle and acute toxicity of perfluoroalkyl acids to freshwater mussels. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 1611-1620.	2.2	28
28	Longitudinal Patterns in Abundance of the Zebra Mussel ( <i>Dreissena polymorpha</i> ) in the Upper Mississippi River. <i>Journal of Freshwater Ecology</i> , 1997, 12, 235-238.	0.5	27
29	Cadmium, Metal-binding Proteins, and Growth in Bluegill ( <i>Lepomis macrochirus</i> ) Exposed to Contaminated Sediments from the Upper Mississippi River Basin. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1994, 51, 1356-1367.	0.7	24
30	Effects of Handling and Aerial Exposure on the Survival of Unionid Mussels. <i>Journal of Freshwater Ecology</i> , 1995, 10, 199-207.	0.5	24
31	Effects of lead on Na <sup>+</sup> , K <sup>+</sup> ATPase and hemolymph ion concentrations in the freshwater mussel <i>Elliptio complanata</i> . <i>Environmental Toxicology</i> , 2012, 27, 268-276.	2.1	24
32	Acute effects of road salts and associated cyanide compounds on the early life stages of the unionid mussel <i>Villosa iris</i> . <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 1801-1806.	2.2	24
33	Assessment of toxicity test endpoints for freshwater mussel larvae (glochidia). <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 199-207.	2.2	24
34	Endocrine active contaminants in aquatic systems and intersex in common sport fishes. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 959-968.	2.2	24
35	Elimination Rate Constants of 46 Polycyclic Aromatic Hydrocarbons in the Unionid Mussel, <i>Elliptio complanata</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2004, 47, 332-40.	2.1	23
36	The Status of Mussel Health Assessment and a Path Forward. <i>Freshwater Mollusk Biology and Conservation</i> , 2019, 22, 26.	0.4	23

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37	Maternally transferred mercury in wild largemouth bass, <i>Micropterus salmoides</i> . <i>Environmental Pollution</i> , 2013, 178, 493-497.	3.7	22
38	Metabolomic, behavioral, and reproductive effects of the aromatase inhibitor fadrozole hydrochloride on the unionid mussel <i>Lampsilis fasciola</i> . <i>General and Comparative Endocrinology</i> , 2014, 206, 213-226.	0.8	21
39	Relation of contaminants to fish intersex in riverine sport fishes. <i>Science of the Total Environment</i> , 2018, 643, 73-89.	3.9	21
40	Understanding the influence of multiple pollutant stressors on the decline of freshwater mussels in a biodiversity hotspot. <i>Science of the Total Environment</i> , 2021, 773, 144757.	3.9	19
41	Assessing the Effectiveness of the Pesticides and Farmworker Health Toolkit: A Curriculum for Enhancing Farmworkers' Understanding of Pesticide Safety Concepts. <i>Journal of Agromedicine</i> , 2014, 19, 96-102.	0.9	18
42	Extending the toxicity-testing paradigm for freshwater mussels: Assessing chronic reproductive effects of the synthetic estrogen 17 $\beta$ -ethinylestradiol on the unionid mussel <i>Elliptio complanata</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2017, 191, 14-25.	1.3	18
43	Food web contaminant dynamics of a large Atlantic Slope river: Implications for common and imperiled species. <i>Science of the Total Environment</i> , 2018, 633, 1062-1077.	3.9	18
44	The presence of algae mitigates the toxicity of copper-based algaecides to a nontarget organism. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 2132-2142.	2.2	18
45	Bioavailability of sediment-associated mercury to Hexagenia mayflies in a contaminated floodplain river. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2000, 57, 1092-1102.	0.7	17
46	Engaging Latino Farmworkers in the Development of Symbols to Improve Pesticide Safety and Health Education and Risk Communication. <i>Journal of Immigrant and Minority Health</i> , 2013, 15, 975-981.	0.8	16
47	Influence of sediment presence on freshwater mussel thermal tolerance. <i>Freshwater Science</i> , 2014, 33, 56-65.	0.9	16
48	Copper-Based Aquatic Algaecide Adsorption and Accumulation Kinetics: Influence of Exposure Concentration and Duration for Controlling the Cyanobacterium <i>Lyngbya wollei</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017, 99, 365-371.	1.3	15
49	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 1999, 109, 277-292.	1.1	14
50	Detection and Identification of Histamine-Producing Bacteria Associated with Harvesting and Processing Mahimahi and Yellowfin Tuna. <i>Journal of Food Protection</i> , 2005, 68, 1676-1682.	0.8	14
51	A Retrospective Analysis of Agricultural Herbicides in Surface Water Reveals Risk Plausibility for Declines in Submerged Aquatic Vegetation. <i>Toxics</i> , 2017, 5, 21.	1.6	14
52	Magnetic resonance imaging of live freshwater mussels (Unionidae). <i>Invertebrate Biology</i> , 2008, 127, 396-402.	0.3	13
53	Sensitivity of freshwater molluscs to hydrilla-targeting herbicides: providing context for invasive aquatic weed control in diverse ecosystems. <i>Journal of Freshwater Ecology</i> , 2015, 30, 335-348.	0.5	13
54	Assessment of growth, survival, and organ tissues of caged mussels ( <i>Bivalvia</i> : Unionidae) in a river-scape influenced by coal mining in the southeastern USA. <i>Science of the Total Environment</i> , 2018, 645, 1273-1286.	3.9	13

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55	Windows of Susceptibility and Consequences of Early Life Exposures to 17 $\beta$ -estradiol on Medaka ( <i>Oryzias latipes</i> ) Reproductive Success. <i>Environmental Science &amp; Technology</i> , 2017, 51, 5296-5305.	4.6	12
56	Assessing toxicity of contaminants in riverine suspended sediments to freshwater mussels. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 395-407.	2.2	12
57	Do postlarval amphidromous fishes transport marine-derived nutrients and pollutants to Caribbean streams?. <i>Ecology of Freshwater Fish</i> , 2018, 27, 847-856.	0.7	12
58	BIOCHEMICAL COMPOSITION OF THREE SPECIES OF UNIONID MUSSELS AFTER EMERSION. <i>Journal of Molluscan Studies</i> , 2003, 69, 101-106.	0.4	11
59	INFLUENCE OF WATER QUALITY AND ASSOCIATED CONTAMINANTS ON SURVIVAL AND GROWTH OF THE ENDANGERED CAPE FEAR SHINER ( <i>NOTROPIS MEKISTOCHOLAS</i> ). <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 2288.	2.2	11
60	Population Density and Instream Habitat Suitability of the Endangered Cape Fear Shiner. <i>Transactions of the American Fisheries Society</i> , 2009, 138, 1439-1457.	0.6	11
61	Sources of endocrine-disrupting compounds in North Carolina waterways: A geographic information systems approach. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 437-445.	2.2	11
62	Chasing a changing climate: Reproductive and dispersal traits predict how sessile species respond to global warming. <i>Diversity and Distributions</i> , 2018, 24, 880-891.	1.9	11
63	Thermal Tolerances of Freshwater Mussels and their Host Fishes: Species Interactions in a Changing Climate. <i>Freshwater Mollusk Biology and Conservation</i> , 2012, 15, 69.	0.4	11
64	POPULATION DYNAMICS OF ZEBRA MUSSELS <i>DREISSENA POLYMORPHA</i> (PALLAS, 1771) DURING THE INITIAL INVASION OF THE UPPER MISSISSIPPI RIVER, USA. <i>Journal of Molluscan Studies</i> , 2006, 72, 179-188.	0.4	10
65	Contaminants in tropical island streams and their biota. <i>Environmental Research</i> , 2018, 161, 615-623.	3.7	10
66	Polycyclic aromatic hydrocarbons in surface waters, sediments, and unionid mussels: relation to road crossings and implications for chronic mussel exposure. <i>Hydrobiologia</i> , 2018, 810, 465-476.	1.0	10
67	Sediment-contact and survival of fingernail clams: Implications for conducting short-term laboratory tests. <i>Environmental Toxicology</i> , 2000, 15, 23-27.	2.1	9
68	Behavior and Survival of Stocked Trout in Southern Appalachian Mountain Streams. <i>Transactions of the American Fisheries Society</i> , 2019, 148, 3-20.	0.6	9
69	Adapting Certified Safe Farm to North Carolina Agriculture: An Implementation Study. <i>Journal of Agromedicine</i> , 2016, 21, 269-283.	0.9	8
70	Species traits and catchment-scale habitat factors influence the occurrence of freshwater mussel populations and assemblages. <i>Freshwater Biology</i> , 2016, 61, 1671-1684.	1.2	8
71	Hydrologic characteristics of freshwater mussel habitat: novel insights from modeled flows. <i>Freshwater Science</i> , 2018, 37, 343-356.	0.9	8
72	Selenium, Mercury, and Their Molar Ratio in Sportfish from Drinking Water Reservoirs. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1864.	1.2	8

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73	Microhabitat Suitability and Niche Breadth of Common and Imperiled Atlantic Slope Freshwater Mussels. <i>Freshwater Mollusk Biology and Conservation</i> , 2016, 19, 27.	0.4	8
74	Exposure of Unionid Mussels to Electric Current: Assessing Risks Associated with Electrofishing. <i>Transactions of the American Fisheries Society</i> , 2007, 136, 1593-1606.	0.6	7
75	Plasma Vitellogenin and Estradiol Concentrations in Adult Gulf Sturgeon from the Pascagoula River Drainage, Mississippi. <i>Transactions of the American Fisheries Society</i> , 2009, 138, 1028-1035.	0.6	7
76	The Pesticide Risk Beliefs Inventory: A Quantitative Instrument for the Assessment of Beliefs about Pesticide Risks. <i>International Journal of Environmental Research and Public Health</i> , 2011, 8, 1923-1935.	1.2	7
77	A Comparison of the chemical sensitivities between in vitro and in vivo propagated juvenile freshwater mussels: Implications for standard toxicity testing. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 3077-3085.	2.2	7
78	Modeling pesticide fate in a small tidal estuary. <i>Ecological Modelling</i> , 2007, 200, 149-159.	1.2	6
79	Accumulation of mercury by aufwuchs in Wisconsin seepage lakes: Implications for monitoring. <i>Archives of Environmental Contamination and Toxicology</i> , 1992, 23, 172-178.	2.1	5
80	Evaluation of Juvenile Freshwater Mussel Sensitivity to Multiple Forms of Florpyrauxifen-Benzyl. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 105, 588-594.	1.3	5
81	Life Stage Sensitivity of a Freshwater Snail to Herbicides Used in Invasive Aquatic Weed Control. <i>Freshwater Mollusk Biology and Conservation</i> , 2016, 19, 69.	0.4	5
82	Validation of a Predictive Model for Fish Tissue Mercury Concentrations. <i>Transactions of the American Fisheries Society</i> , 2013, 142, 380-387.	0.6	4
83	Need for Improved Risk Communication of Fish Consumption Advisories to Protect Maternal and Child Health: Influence of Primary Informants. <i>International Journal of Environmental Research and Public Health</i> , 2013, 10, 1720-1734.	1.2	4
84	Growth, Condition, and Trophic Relations of Stocked Trout in Southern Appalachian Mountain Streams. <i>Transactions of the American Fisheries Society</i> , 2019, 148, 771-784.	0.6	3
85	Declining Occurrence and Low Colonization Probability in Freshwater Mussel Assemblages: A Dynamic Occurrence Modeling Approach. <i>Freshwater Mollusk Biology and Conservation</i> , 2017, 20, 13.	0.4	3
86	Controlling nitrogen release from farm ponds with a subsurface outflow device: Implications for improved water quality in receiving streams. <i>Agricultural Water Management</i> , 2008, 95, 737-742.	2.4	2
87	Effects of Turbidity, Sediment, and Polyacrylamide on Native Freshwater Mussels. <i>Journal of the American Water Resources Association</i> , 2018, 54, 631-643.	1.0	2
88	Anglers' Views on Using Signs to Communicate Fish Consumption Advisories. <i>Fisheries</i> , 2020, 45, 307-316.	0.6	2
89	Managing the Invasive Cyanobacterium <i>Lyngbya wollei</i> in a Southeastern USA Reservoir: Evaluation of a Multi-year Treatment Program. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	2
90	Method Development for a Short-Term 7-Day Toxicity Test with Unionid Mussels. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 3392-3409.	2.2	2

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91	Genotoxic Response of Unionid Mussel Hemolymph to Hydrogen Peroxide and Polycyclic Aromatic Hydrocarbons. <i>Freshwater Mollusk Biology and Conservation</i> , 2012, 15, 113.	0.4	2
92	Certified Safe Farm Implementation in North Carolina: Hazards, Safety Improvements, and Economic Incentives. <i>Journal of Agromedicine</i> , 2018, 23, 381-392.	0.9	1
93	Investigating audience response system technology during pesticide training for farmers. <i>Journal of Agricultural Education and Extension</i> , 2021, 27, 73-87.	1.1	1
94	Survival and Contaminants in Imperiled and Common Riverine Fishes Assessed with an In Situ Bioassay Approach. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 2206-2219.	2.2	1
95	Short-Term Effects of Small Dam Removal on a Freshwater Mussel Assemblage. <i>Freshwater Mollusk Biology and Conservation</i> , 2013, 16, 41.	0.4	1
96	Biomass of the Cyanobacterium <i>Lyngbya wollei</i> Alters Copper Algaecide Exposure and Risks to a Non-target Organism. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 104, 228-234.	1.3	0
97	Assessing Accumulation and Sublethal Effects of Lead in a Unionid Mussel. <i>Freshwater Mollusk Biology and Conservation</i> , 2012, 15, 60.	0.4	0
98	A New Open-Source Web Application with Animations to Support Learning of Neuron-to-Neuron Signaling. <i>American Biology Teacher</i> , 2021, 83, 600-602.	0.1	0