

Christopher L Rowe

List of Publications by Year in descending order

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57
papers

1,985
citations

236925

25
h-index

243625

44
g-index

57
all docs

57
docs citations

57
times ranked

1653
citing authors

#	ARTICLE	IF	CITATIONS
1	Ecotoxicological implications of aquatic disposal of coal combustion residues in the United States: a review. <i>Environmental Monitoring and Assessment</i> , 2002, 80, 207-276.	2.7	158
2	Elevated trace element concentrations and standard metabolic rate in banded water snakes (<i>Nerodia fasciata</i>) exposed to coal combustion wastes. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 1258-1263.	4.3	143
3	Impacts of hydroperiod on growth and survival of larval amphibians in temporary ponds of Central Pennsylvania, USA. <i>Oecologia</i> , 1995, 102, 397-403.	2.0	116
4	Resource allocation-based life histories: A conceptual basis for studies of ecological toxicology. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 1698-1703.	4.3	111
5	“The Calamity of So Long Life” Life Histories, Contaminants, and Potential Emerging Threats to Long-lived Vertebrates. <i>BioScience</i> , 2008, 58, 623-631.	4.9	102
6	Reproduction, Embryonic Development, and Maternal Transfer of Contaminants in the Amphibian <i>Gastrophryne carolinensis</i> . <i>Environmental Health Perspectives</i> , 2006, 114, 661-666.	6.0	101
7	Accumulation and Selective Maternal Transfer of Contaminants in the Turtle <i>Trachemys scripta</i> Associated with Coal Ash Deposition. <i>Archives of Environmental Contamination and Toxicology</i> , 2001, 40, 531-536.	4.1	96
8	Elevated Trace Element Concentrations in Southern Toads, <i>Bufo terrestris</i> , Exposed to Coal Combustion Waste. <i>Archives of Environmental Contamination and Toxicology</i> , 1998, 35, 325-329.	4.1	86
9	Failed Recruitment of Southern Toads (<i>Bufo terrestris</i>) in a Trace Element-Contaminated Breeding Habitat: Direct and Indirect Effects That May Lead to a Local Population Sink. <i>Archives of Environmental Contamination and Toxicology</i> , 2001, 40, 399-405.	4.1	80
10	Exposure to Coal Ash Impacts Swimming Performance and Predator Avoidance in Larval Bullfrogs (<i>Rana catesbeiana</i>). <i>Journal of Herpetology</i> , 1998, 32, 289.	0.5	76
11	ELEVATED TRACE ELEMENT CONCENTRATIONS AND STANDARD METABOLIC RATE IN BANDED WATER SNAKES (<i>NERODIA FASCIATA</i>) EXPOSED TO COAL COMBUSTION WASTES. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 1258.	4.3	73
12	Oral Deformities in Tadpoles of the Bullfrog (<i>Rana catesbeiana</i>) Caused by Conditions in a Polluted Habitat. <i>Copeia</i> , 1998, 1998, 244.	1.3	65
13	Metabolic costs incurred by crayfish (<i>Procambarus acutus</i>) in a trace element-polluted habitat: further evidence of similar responses among diverse taxonomic groups. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2001, 129, 275-283.	2.6	46
14	MATERNAL TRANSFER OF SELENIUM IN ALLIGATOR <i>MISSISSIPPIENSIS</i> NESTING DOWNSTREAM FROM A COAL-BURNING POWER PLANT. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 1969.	4.3	46
15	Relationships among abiotic parameters and breeding effort by three amphibians in temporary wetlands of central Pennsylvania. <i>Wetlands</i> , 1993, 13, 237-246.	1.5	43
16	The Value of Simulated Pond Communities in Mesocosms for Studies of Amphibian Ecology and Ecotoxicology. <i>Journal of Herpetology</i> , 1994, 28, 346.	0.5	43
17	Elevated standard metabolic rate in a freshwater shrimp (<i>Palaemonetes paludosus</i>) exposed to trace element-rich coal combustion waste. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 1998, 121, 299-304.	1.8	42
18	Multiple stressors and complex life cycles: Insights from a population-level assessment of breeding site contamination and terrestrial habitat loss in an amphibian. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 2874-2882.	4.3	40

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19	Effects of acute and chronic acidification on three larval amphibians that breed in temporary ponds. Archives of Environmental Contamination and Toxicology, 1992, 23, 339-350.	4.1	37
20	Accumulation and maternal transfer of polychlorinated biphenyls in snapping turtles of the upper Hudson River, New York, USA. Environmental Toxicology and Chemistry, 2008, 27, 2565-2574.	4.3	32
21	Differences in maintenance energy expenditure by two estuarine shrimp (Palaemonetes pugio and P.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Part A, Molecular & Integrative Physiology, 2002, 132, 341-351.	1.8	29
22	Growth responses of an estuarine fish exposed to mixed trace elements in sediments over a full life cycle. Ecotoxicology and Environmental Safety, 2003, 54, 229-239.	6.0	29
23	Latent Mortality of Juvenile Snapping Turtles from the Upper Hudson River, New York, Exposed Maternally and Via the Diet to Polychlorinated Biphenyls (PCBs). Environmental Science & Technology, 2009, 43, 6052-6057.	10.0	29
24	Effects of coal combustion residues on survival, antioxidant potential, and genotoxicity resulting from full-lifecycle exposure of grass shrimp (Palaemonetes pugio Holthius). Science of the Total Environment, 2007, 373, 420-430.	8.0	27
25	Tracing Maternal Transfer of Methylmercury in the Sheepshead Minnow (Cyprinodon variegatus) with an Enriched Mercury Stable Isotope. Environmental Science & Technology, 2014, 48, 1957-1963.	10.0	26
26	Chronic exposure of Leptocheirus plumulosus to Baltimore Harbor sediment: Bioenergetic and population-level effects. Marine Environmental Research, 2006, 62, 116-130.	2.5	24
27	Bioaccumulation and effects of metals and trace elements from aquatic disposal of coal combustion residues: Recent advances and recommendations for further study. Science of the Total Environment, 2014, 485-486, 490-496.	8.0	24
28	Predation on Larval and Embryonic Amphibians by Acid-Tolerant Caddisfly Larvae (Ptilostomis postica). Journal of Herpetology, 1994, 28, 357.	0.5	21
29	Lack of biological effects of water accommodated fractions of chemically- and physically-dispersed oil on molecular, physiological, and behavioral traits of juvenile snapping turtles following embryonic exposure. Science of the Total Environment, 2009, 407, 5344-5355.	8.0	21
30	Integrative demographic modeling reveals population level impacts of PCB toxicity to juvenile snapping turtles. Environmental Pollution, 2014, 184, 154-160.	7.5	19
31	Interdisciplinary and Hierarchical Approaches for Studying the Effects of Metals and Metalloids on Amphibians. , 2010, , 325-336.		19
32	Quantification of total and particulate dimethylsulfoniopropionate (DMSP) in five Bermudian coral species across a depth gradient. Coral Reefs, 2012, 31, 561-570.	2.2	18
33	Changes in Habitat Availability for Multiple Life Stages of Diamondback Terrapins (Malaclemys Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.2	18
34	A Molecular and Functional Evaluation of the Egg Mass Color Polymorphism of the Spotted Salamander, Ambystoma maculatum. Journal of Herpetology, 1993, 27, 306.	0.5	14
35	Accumulation of dietary methylmercury and effects on growth and survival in two estuarine forage fish: <i>Cyprinodon variegatus</i> and <i>Menidia beryllina</i> . Environmental Toxicology and Chemistry, 2013, 32, 848-856.	4.3	14
36	Effects of dietary vanadium on growth and lipid storage in a larval anuran: Results from studies employing ad libitum and rationed feeding. Aquatic Toxicology, 2009, 91, 179-186.	4.0	12

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37	Integrating Individual-Based Indices of Contaminant Effects. <i>Scientific World Journal</i> , The, 2001, 1, 703-712.	2.1	11
38	Bioenergetic effects of aqueous copper and cadmium on the grass shrimp, <i>Palaemonetes pugio</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009, 150, 65-71.	2.6	11
39	Differential Patterns of Accumulation and Depuration of Dietary Selenium and Vanadium During Metamorphosis in the Gray Treefrog (<i>Hyla versicolor</i>). <i>Archives of Environmental Contamination and Toxicology</i> , 2011, 60, 336-342.	4.1	11
40	Modeling effects of cadmium on population growth of <i>Palaemonetes pugio</i> : Results of a full life cycle exposure. <i>Aquatic Toxicology</i> , 2008, 88, 111-120.	4.0	10
41	Differential Patterns of Accumulation and Retention of Dietary Trace Elements Associated With Coal Ash During Larval Development and Metamorphosis of an Amphibian. <i>Archives of Environmental Contamination and Toxicology</i> , 2014, 66, 78-85.	4.1	10
42	Dietary Selenomethionine Exposure Induces Physical Malformations and Decreases Growth and Survival to Metamorphosis in an Amphibian (<i>Hyla chrysoscelis</i>). <i>Archives of Environmental Contamination and Toxicology</i> , 2013, 64, 504-513.	4.1	6
43	Respiration Rates of Larval Cope's Gray Tree Frogs (<i>Hyla chrysoscelis</i>) Across a Range in Temperatures. <i>Journal of Herpetology</i> , 2017, 51, 130-133.	0.5	6
44	Metabolic rates are elevated and influenced by maternal identity during the early, yolk-dependent, post-hatching period in an estuarine turtle, the diamondback terrapin (<i>Malaclemys terrapin</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017, 204, 137-145.	1.8	6
45	Experimental exposure of eggs to polybrominated diphenyl ethers BDE47 and BDE99 in red-eared sliders (<i>Trachemys scripta elegans</i>) and snapping turtles (<i>Chelydra serpentina</i>) and possible species-specific differences in debromination. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 393-400.	4.3	5
46	Abnormal Shell Shapes in Northern Map Turtles of the Juniata River, Pennsylvania, USA. <i>Journal of Herpetology</i> , 2018, 52, 59-66.	0.5	5
47	The acute thermal respiratory response is unique among species in a guild of larval anuran amphibians—Implications for energy economy in a warmer future. <i>Science of the Total Environment</i> , 2018, 618, 229-235.	8.0	4
48	Reproductive and life stage-specific effects of aqueous copper on the grass shrimp, <i>Palaemonetes pugio</i> . <i>Marine Environmental Research</i> , 2010, 69, 152-157.	2.5	3
49	Maximum standard metabolic rate corresponds with the salinity of maximum growth in hatchlings of the estuarine northern diamondback terrapin (<i>Malaclemys terrapin terrapin</i>): Implications for habitat conservation. <i>Acta Oecologica</i> , 2018, 86, 79-83.	1.1	3
50	Comparative effects of in ovo exposure to sodium perchlorate on development, growth, metabolism, and thyroid function in the common snapping turtle (<i>Chelydra serpentina</i>) and red-eared slider (<i>Trachemys scripta elegans</i>). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2012, 156, 166-170.	2.6	2
51	Dietary exposure of BDE47 and BDE99 and effects on behavior, bioenergetics, and thyroid function in juvenile red-eared sliders (<i>Trachemys scripta elegans</i>) and common snapping turtles (<i>Chelydra serpentina</i>). <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 2810-2817.	4.3	2
52	Dietary Accumulation of Inorganic Selenium by a Larval Amphibian (<i>Hyla chrysoscelis</i>) and Influence on Accumulation of Background Mercury. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017, 99, 182-186.	2.7	2
53	Standard metabolic rates of early life stages of the diamondback terrapin (<i>Malaclemys terrapin</i>), an estuarine turtle, suggest correlates between life history changes and the metabolic economy of hatchlings. <i>Zoology</i> , 2018, 127, 20-26.	1.2	2
54	Metabolic rates of <i>Neomysis americana</i> (Smith, 1873) (Mysida: Mysidae) from a temperate estuary vary in response to summer temperature and salinity conditions. <i>Journal of Crustacean Biology</i> , 2020, 40, 450-454.	0.8	2

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55	Physiological Ecology of Amphibians and Reptiles. , 2010, , 105-166.		2
56	Carbon:nitrogen ratio as a proxy for tissue nonpolar lipid content and condition in black sea bass <i>Centropristis striata</i> along the Middle Atlantic Bight. <i>Marine Biology</i> , 2020, 167, 1.	1.5	1
57	Effects of constant and fluctuating incubation temperatures on hatching success and hatchling traits in the diamondback terrapin (<i>Malaclemys terrapin</i>) in the context of the warming climate. <i>Journal of Thermal Biology</i> , 2020, 88, 102528.	2.5	1