

# Tamzin A Blewett

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,124  
citations

361045

20  
h-index

433756

31  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1003  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sublethal and Reproductive Effects of Acute and Chronic Exposure to Flowback and Produced Water from Hydraulic Fracturing on the Water Flea <i>Daphnia magna</i> . <i>Environmental Science &amp; Technology</i> , 2017, 51, 3032-3039.	4.6	85
2	Mechanisms of nickel toxicity to fish and invertebrates in marine and estuarine waters. <i>Environmental Pollution</i> , 2017, 223, 311-322.	3.7	83
3	Environmental and Human Health Impacts of Spreading Oil and Gas Wastewater on Roads. <i>Environmental Science &amp; Technology</i> , 2018, 52, 7081-7091.	4.6	78
4	The effect of hydraulic flowback and produced water on gill morphology, oxidative stress and antioxidant response in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Scientific Reports</i> , 2017, 7, 46582.	1.6	60
5	The effects of temperature and salinity on 17 $\beta$ -ethynylestradiol uptake and its relationship to oxygen consumption in the model euryhaline teleost ( <i>Fundulus heteroclitus</i> ). <i>Aquatic Toxicology</i> , 2013, 127, 61-71.	1.9	43
6	Cardio-respirometry disruption in zebrafish ( <i>Danio rerio</i> ) embryos exposed to hydraulic fracturing flowback and produced water. <i>Environmental Pollution</i> , 2017, 231, 1477-1487.	3.7	42
7	Oxidative stress and metabolic responses to copper in freshwater- and seawater-acclimated killifish, <i>Fundulus heteroclitus</i> . <i>Aquatic Toxicology</i> , 2015, 161, 242-252.	1.9	39
8	Alterations to Juvenile Zebrafish ( <i>Danio rerio</i> ) Swim Performance after Acute Embryonic Exposure to Sub-lethal Exposures of Hydraulic Fracturing Flowback and Produced Water. <i>Aquatic Toxicology</i> , 2017, 193, 50-59.	1.9	35
9	Toxicity in aquatic model species exposed to a temporal series of three different flowback and produced water samples collected from a horizontal hydraulically fractured well. <i>Ecotoxicology and Environmental Safety</i> , 2019, 180, 600-609.	2.9	35
10	Making sense of nickel accumulation and sub-lethal toxic effects in saline waters: Fate and effects of nickel in the green crab, <i>Carcinus maenas</i> . <i>Aquatic Toxicology</i> , 2015, 164, 23-33.	1.9	33
11	Mutagenicity assessment downstream of oil and gas produced water discharges intended for agricultural beneficial reuse. <i>Science of the Total Environment</i> , 2020, 715, 136944.	3.9	33
12	Impact of environmental oxygen, exercise, salinity, and metabolic rate on the uptake and tissue-specific distribution of 17 $\beta$ -ethynylestradiol in the euryhaline teleost <i>Fundulus heteroclitus</i> . <i>Aquatic Toxicology</i> , 2013, 138-139, 43-51.	1.9	31
13	Validation of Bioavailability-Based Toxicity Models for Metals. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 101-117.	2.2	31
14	Oil and Gas Produced Water Reuse: Opportunities, Treatment Needs, and Challenges. <i>ACS ES&amp;T Engineering</i> , 2022, 2, 347-366.	3.7	31
15	Physical immobility as a sensitive indicator of hydraulic fracturing fluid toxicity towards <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , 2018, 635, 639-643.	3.9	28
16	Biochar colloids and their use in contaminants removal. <i>Biochar</i> , 2019, 1, 151-162.	6.2	27
17	A burning issue: The effect of organic ultraviolet filter exposure on the behaviour and physiology of <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , 2021, 750, 141707.	3.9	27
18	Mechanisms of Nickel Toxicity in the Highly Sensitive Embryos of the Sea Urchin <i>Evechinus chloroticus</i> , and the Modifying Effects of Natural Organic Matter. <i>Environmental Science &amp; Technology</i> , 2016, 50, 1595-1603.	4.6	26

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19	Salinity-Dependent Nickel Accumulation and Oxidative Stress Responses in the Euryhaline Killifish ( <i>Fundulus heteroclitus</i> ). <i>Archives of Environmental Contamination and Toxicology</i> , 2015, 68, 382-394.	2.1	25
20	Low salinity enhances Ni-mediated oxidative stress and sub-lethal toxicity to the green shore crab ( <i>Carcinus maenas</i> ). <i>Ecotoxicology and Environmental Safety</i> , 2015, 122, 159-170.	2.9	24
21	Copper alters hypoxia sensitivity and the behavioural emersion response in the amphibious fish <i>Kryptolebias marmoratus</i> . <i>Aquatic Toxicology</i> , 2017, 189, 25-30.	1.9	21
22	Salinity-dependent nickel accumulation and effects on respiration, ion regulation and oxidative stress in the galaxiid fish, <i>Galaxias maculatus</i> . <i>Environmental Pollution</i> , 2016, 214, 132-141.	3.7	18
23	The osmotic effect of hyper-saline hydraulic fracturing fluid on rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Aquatic Toxicology</i> , 2019, 211, 1-10.	1.9	18
24	Novel Route of Toxicant Exposure in an Ancient Extant Vertebrate: Nickel Uptake by Hagfish Skin and the Modifying Effects of Slime. <i>Environmental Science &amp; Technology</i> , 2015, 49, 1896-1902.	4.6	16
25	Iron transport across the skin and gut epithelia of Pacific hagfish: Kinetic characterisation and effect of hypoxia. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2016, 199, 1-7.	0.8	16
26	Investigating the mechanisms of Ni uptake and sub-lethal toxicity in the Atlantic killifish <i>Fundulus heteroclitus</i> in relation to salinity. <i>Environmental Pollution</i> , 2016, 211, 370-381.	3.7	16
27	The role of dissolved organic carbon concentration and composition on nickel toxicity to early life-stages of the blue mussel <i>Mytilus edulis</i> and purple sea urchin <i>Strongylocentrotus purpuratus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 160, 162-170.	2.9	16
28	UV-induced toxicity of cerium oxide nanoparticles ( $\text{CeO}_2$ NPs) and the protective properties of natural organic matter (NOM) from the Rio Negro Amazon River. <i>Environmental Science: Nano</i> , 2018, 5, 476-486.	2.2	15
29	Physiological and behavioural strategies of aquatic animals living in fluctuating environments. <i>Journal of Experimental Biology</i> , 2022, 225, .	0.8	15
30	Environmental risk of nickel in aquatic Arctic ecosystems. <i>Science of the Total Environment</i> , 2021, 797, 148921.	3.9	13
31	Effects of salinity on short-term waterborne zinc uptake, accumulation and sub-lethal toxicity in the green shore crab ( <i>Carcinus maenas</i> ). <i>Aquatic Toxicology</i> , 2016, 178, 132-140.	1.9	12
32	The oxidative stress response in freshwater-acclimated killifish ( <i>Fundulus heteroclitus</i> ) to acute copper and hypoxia exposure. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2016, 179, 11-18.	1.3	12
33	Changes to hepatic nutrient dynamics and energetics in rainbow trout ( <i>Oncorhynchus mykiss</i> ) following exposure to and recovery from hydraulic fracturing flowback and produced water. <i>Science of the Total Environment</i> , 2021, 764, 142893.	3.9	12
34	A species comparison of $17\beta$ -ethynylestradiol uptake and tissue-specific distribution in six teleost fish. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2014, 161, 33-40.	1.3	11
35	A novel pathway of nutrient absorption in crustaceans: branchial amino acid uptake in the green shore crab ( <i>Carcinus maenas</i> ). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171298.	1.2	11
36	Shedding light on the effects of hydraulic fracturing flowback and produced water on phototactic behavior in <i>Daphnia magna</i> . <i>Ecotoxicology and Environmental Safety</i> , 2019, 174, 315-323.	2.9	10

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37	Impacts of low salinity exposure and antibiotic application on gut transport activity in the Pacific spiny dogfish, <i>Squalus acanthias suckleyi</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2020, 190, 535-545.	0.7	8
38	A common well pad does not imply common toxicity: Assessing the acute and chronic toxicity of flowback and produced waters from four Montney Formation wells on the same well pad to the freshwater invertebrate <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , 2022, 807, 150986.	3.9	8
39	Toxicity of nanoencapsulated bifenthrin to rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Environmental Science: Nano</i> , 2019, 6, 2777-2785.	2.2	7
40	Anoxia tolerance in the sea cucumbers <i>Parastichopus californicus</i> and <i>Cucumaria miniata</i> reflects habitat use. <i>Journal of Experimental Marine Biology and Ecology</i> , 2019, 520, 151203.	0.7	7
41	Effect of temperature on phenanthrene accumulation from hydraulic fracturing flowback and produced water in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Environmental Pollution</i> , 2021, 272, 116411.	3.7	7
42	Complexation reduces nickel toxicity to purple sea urchin embryos ( <i>Strongylocentrotus purpuratus</i> ), a test of biotic ligand principles in seawater. <i>Ecotoxicology and Environmental Safety</i> , 2021, 216, 112156.	2.9	6
43	Determining the functional role of waterborne amino acid uptake in hagfish nutrition: a constitutive pathway when fasting or a supplementary pathway when feeding?. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2016, 186, 843-853.	0.7	5
44	Effect of environmental salinity manipulation on uptake rates and distribution patterns of waterborne amino acids in the Pacific hagfish. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2017, 204, 164-168.	0.8	5
45	Cadmium bioaccumulates after acute exposure but has no effect on locomotion or shelter-seeking behaviour in the invasive green shore crab ( <i>Carcinus maenas</i> )., 2017, 5, cox057.		5
46	Mummichog ( <i>Fundulus heteroclitus</i> ) are less sensitive to 17 $\beta$ -ethinylestradiol (EE2) than other common model teleosts: A comparative review of reproductive effects. <i>General and Comparative Endocrinology</i> , 2020, 289, 113378.	0.8	5
47	Acquisition of alanylalanine in an Agnathan: Characteristics of dipeptide transport across the hindgut of the Pacific hagfish <i>Eptatretus stoutii</i> . <i>Journal of Fish Biology</i> , 2019, 95, 1471-1479.	0.7	4
48	Context-dependent relationships between swimming, terrestrial jumping, and body composition in the amphibious fish <i>Kryptolebias marmoratus</i> . <i>Journal of Experimental Biology</i> , 2022, , .	0.8	4
49	Group versus individual exposure: Do methodological decisions in aquatic toxicology alter experimental results?. <i>Science of the Total Environment</i> , 2021, 764, 144288.	3.9	3
50	Investigating the Potential Toxicity of Hydraulic Fracturing Flowback and Produced Water Spills to Aquatic Animals in Freshwater Environments: A North American Perspective. <i>Reviews of Environmental Contamination and Toxicology</i> , 2020, 254, 1-56.	0.7	2
51	The effect of marine dissolved organic carbon on nickel accumulation in early life-stages of the sea urchin, <i>Strongylocentrotus purpuratus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021, 250, 109150.	1.3	0