

# Rachael M Heuer

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

976  
citations

623734

14  
h-index

610901

24  
g-index

29  
all docs

29  
docs citations

29  
times ranked

878  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiological impacts of elevated carbon dioxide and ocean acidification on fish. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R1061-R1084.	1.8	320
2	Impacts of ocean acidification on respiratory gas exchange and acid-base balance in a marine teleost, <i>Opsanus beta</i> . Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2012, 182, 921-934.	1.5	157
3	Altered brain ion gradients following compensation for elevated CO <sub>2</sub> are linked to behavioural alterations in a coral reef fish. Scientific Reports, 2016, 6, 33216.	3.3	70
4	Effects of crude oil on in situ cardiac function in young adult mahi-mahi ( <i>Coryphaena hippurus</i> ). Aquatic Toxicology, 2016, 180, 274-281.	4.0	68
5	Elevated CO <sub>2</sub> increases energetic cost and ion movement in the marine fish intestine. Scientific Reports, 2016, 6, 34480.	3.3	59
6	Methods matter in repeating ocean acidification studies. Nature, 2020, 586, E20-E24.	27.8	41
7	Ocean Acidification Leads to Counterproductive Intestinal Base Loss in the Gulf Toadfish ( <i>Opsanus beta</i> ). Environmental Science & Technology, 2019, 53, 9895-9904.	10.0	29
8	Cardio-respiratory function during exercise in the cobia, <i>Rachycentron canadum</i> : The impact of crude oil exposure. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2017, 201, 58-65.	2.6	37
9	Impacts of Deepwater Horizon Crude Oil on Mahi-Mahi ( <i>Coryphaena hippurus</i> ) Heart Cell Function. Environmental Science & Technology, 2019, 53, 9895-9904.	10.0	29
10	Oil Exposure Impairs In Situ Cardiac Function in Response to $\beta^2$ -Adrenergic Stimulation in Cobia ( <i>Rachycentron canadum</i> ). Environmental Science & Technology, 2017, 51, 14390-14396.	10.0	26
11	The physiology of behavioral impacts of high CO <sub>2</sub> . Fish Physiology, 2019, 37, 161-194.	0.8	21
12	Changes to Intestinal Transport Physiology and Carbonate Production at Various CO <sub>2</sub> Levels in a Marine Teleost, the Gulf Toadfish ( <i>Opsanus beta</i> ). Physiological and Biochemical Zoology, 2016, 89, 402-416.	1.5	18
13	Ocean acidification affects acid-base physiology and behaviour in a model invertebrate, the California sea hare ( <i>Aplysia californica</i> ). Royal Society Open Science, 2019, 6, 191041.	2.4	16
14	Acute crude oil exposure alters mitochondrial function and ADP affinity in cardiac muscle fibers of young adult Mahi-mahi ( <i>Coryphaena hippurus</i> ). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2019, 218, 88-95.	2.6	16
15	Exposure to Hydraulic Fracturing Flowback Water Impairs Mahi-Mahi ( <i>Coryphaena hippurus</i> ) Cardiac Function. Environmental Science & Technology, 2020, 54, 13579-13589.	10.0	13
16	Impacts of a local music festival on fish stress hormone levels and the adjacent underwater soundscape. Environmental Pollution, 2020, 265, 114925.	7.5	13
17	Remote Predictions of Mahi-Mahi ( <i>Coryphaena hippurus</i> ) Spawning in the Open Ocean Using Summarized Accelerometry Data. Frontiers in Marine Science, 2021, 8, .	2.5	9
18	Salt-water acclimation of the estuarine crocodile <i>Crocodylus porosus</i> involves enhanced ion transport properties of the urodaeum and rectum. Journal of Experimental Biology, 2020, 223, .	1.7	5

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19	Magnesium transport in the glomerular kidney of the Gulf toadfish ( <i>Opsanus beta</i> ). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2021, 191, 865-880.	1.5	4
20	The Effects of Temperature Acclimation on Swimming Performance in the Pelagic Mahi-Mahi ( <i>Coryphaena hippurus</i> ). <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	4
21	Ultraviolet avoidance by embryonic buoyancy control in three species of marine fish. <i>Science of the Total Environment</i> , 2022, 806, 150542.	8.0	4
22	Effects of temperature on athletic performance in the pelagic Mahi-Mahi ( <i>Coryphaena hippurus</i> ). <i>FASEB Journal</i> , 2019, 33, 726.3.	0.5	2
23	Enhanced oxygen unloading in two marine percomorph teleosts. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2021, 264, 111101.	1.8	2
24	New queens can't run the bee world without a healthy diet. , 2020, 8, coaa007.		1
25	Crude oil impairs heart cell function in the mahi-mahi ( <i>Coryphaena hippurus</i> ). <i>FASEB Journal</i> , 2018, 32, 602.11.	0.5	1
26	The Effects of Ocean Acidification in the California sea hare ( <i>Aplysia californica</i> ). <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	1
27	Too hot for a healthy gut in salamanders. , 2019, 7, coz007.		0
28	A marine teleost, <i>Opsanus beta</i> , compensates acidosis in hypersaline water by H <sup>+</sup> excretion or reduced HCO <sub>3</sub> <sup>-</sup> excretion rather than HCO <sub>3</sub> <sup>-</sup> uptake. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2021, 191, 85-98.	1.5	0
29	Effects of Elevated CO <sub>2</sub> on Yellowfin tuna ( <i>Thunnus albacares</i> ) Early Life Stage Respiration and Ammonia Excretion. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0