William Joyce

List of Publications by Year in descending order

54 papers	494 citations	759233 12 h-index	794594 19 g-index
57 all docs	57 docs citations	57 times ranked	405 citing authors

#	Article	IF	Citations
1	Regulation of heart rate in vertebrates during hypoxia: A comparative overview. Acta Physiologica, 2022, 234, e13779.	3.8	14
2	Catecholamines are key modulators of ventricular repolarization patterns in the ball python (Python) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.9	2
3	No evidence for pericardial restraint in the snapping turtle (Chelydra serpentina) following pharmacologically-induced bradycardia at rest or during exercise. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2022, , .	1.8	0
4	Regulation of heart rate following genetic deletion of the ÃŸ1 adrenergic receptor in larval zebrafish. Acta Physiologica, 2022, 235, .	3.8	8
5	How cardiac output is regulated: August Krogh's proto-Guytonian understanding of the importance of venous return. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2021, 253, 110861.	1.8	10
6	Regulation of splenic contraction persists as a vestigial trait in whiteâ€blooded Antarctic fishes. Journal of Fish Biology, 2021, 98, 287-291.	1.6	6
7	Î±₁-adrenergic stimulation increases ventricular action potential duration in the intact mouse heart. Facets, 2021, 6, 823-836.	2.4	2
8	Resilience of cardiac performance in Antarctic notothenioid fishes in a warming climate. Journal of Experimental Biology, 2021, 224, .	1.7	5
9	Elevated cortisol lowers thermal tolerance but results in limited cardiac remodelling in rainbow trout (Oncorhynchus mykiss) experiencing chronic social stress. Journal of Experimental Biology, 2021, 224, .	1.7	5
10	Hifâ€1Î± is not required for the development of cardiac adrenergic control in zebrafish (Danio) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 623-631.	1.9	3
11	The evolutionary and physiological significance of the Hif pathway in teleost fishes. Journal of Experimental Biology, 2021, 224, .	1.7	16
12	Histamine exerts both direct H2-mediated and indirect catecholaminergic effects on heart rate in pythons. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2021, 191, 347-355.	1.5	1
13	Low incidence of atrial septal defects in nonmammalian vertebrates. Evolution & Development, 2020, 22, 241-256.	2.0	6
14	Smooth Muscle in Cardiac Chambers is Common in Turtles and Extensive in the Emydid Turtle, Trachemys scripta. Anatomical Record, 2020, 303, 1327-1336.	1.4	11
15	Hypoxia inducible factor-1 Î± knockout does not impair acute thermal tolerance or heat hardening in zebrafish. Biology Letters, 2020, 16, 20200292.	2.3	13
16	Response to â€˜What makes the blood go around?â€™. Journal of Experimental Biology, 2020, 223, .	1.7	1
17	Response to â€˜Flow versus pressure?â€™. Journal of Experimental Biology, 2020, 223, .	1.7	3
18	What determines systemic blood flow in vertebrates?. Journal of Experimental Biology, 2020, 223, .	1.7	37

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19	Similitude in the cardiorespiratory responses to exercise across vertebrates. Current Opinion in Physiology, 2019, 10, 137-145.	1.8	11
20	Parenting is hot work for blue tits. Journal of Experimental Biology, 2019, 222, .	1.7	0
21	Contraction of atrial smooth muscle reduces cardiac output in perfused turtle hearts. Journal of Experimental Biology, 2019, 222, .	1.7	7
22	Weighing the evidence for using vascular conductance, not resistance, in comparative cardiovascular physiology. Journal of Experimental Biology, 2019, 222, .	1.7	22
23	Kicking kangaroo rats deter rattlesnakes. Journal of Experimental Biology, 2019, 222, .	1.7	0
24	Andean birds with slow metabolism live longer. Journal of Experimental Biology, 2019, 222, .	1.7	0
25	Why a sea snake needs a hole in its head. Journal of Experimental Biology, 2019, 222, .	1.7	0
26	Adrenergic and adenosinergic regulation of the cardiovascular system in an Antarctic icefish: Insight into central and peripheral determinants of cardiac output. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 230, 28-38.	1.8	9
27	The effects of endogenous and exogenous catecholamines on hypoxic cardiac performance in redâ€bellied piranhas. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2019, 331, 27-37.	1.9	6
28	The electrocardiogram of vertebrates: Evolutionary changes from ectothermy to endothermy. Progress in Biophysics and Molecular Biology, 2019, 144, 16-29.	2.9	36
29	Suppression of reactive oxygen species generation in heart mitochondria from anoxic turtles: the role of complex I S-nitrosation. Journal of Experimental Biology, 2018, 221, .	1.7	39
30	Contribution of active atrial contraction to cardiac output in anesthetized American alligators (Alligator mississippiensis). Journal of Experimental Biology, 2018, 221, .	1.7	5
31	Venous pressures and cardiac filling in turtles during apnoea and intermittent ventilation. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2018, 188, 481-490.	1.5	15
32	A breath of fresh air for lungless salamanders. Journal of Experimental Biology, 2018, 221, .	1.7	0
33	Pythons sacrifice muscle to provide water for their eggs. Journal of Experimental Biology, 2018, 221, .	1.7	0
34	The effects of thermal acclimation on cardio-respiratory performance in an Antarctic fish (Notothenia coriiceps). , 2018, 6, coy069.		21
35	The effects of embryonic hypoxic programming on cardiovascular function and autonomic regulation in the American alligator (Alligator mississippiensis) at rest and during swimming. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2018, 188, 967-976.	1.5	14
36	Flying is not for the small-hearted. Journal of Experimental Biology, 2018, 221, .	1.7	1

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37	Insulin-resistant cavefish avoid diabetes. Journal of Experimental Biology, 2018, 221, .	1.7	0
38	Exploring nature's natural knockouts:In vivocardiorespiratory performance of Antarctic fishes during acute warming. Journal of Experimental Biology, 2018, 221, .	1.7	23
39	Maximum heart rate does not limit cardiac output at rest or during exercise in the American alligator (Alligator mississippiensis). American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R296-R302.	1.8	14
40	Autoregulation of cardiac output is overcome by adrenergic stimulation in the anaconda heart. Journal of Experimental Biology, 2017, 220, 336-340.	1.7	11
41	Nitrergic cardiovascular regulation in the African lungfish, Protopterus aethiopicus. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2017, 207, 52-56.	1.8	12
42	More haste, less speed for quolls. Journal of Experimental Biology, 2017, 220, 3003-3004.	1.7	0
43	An ancient origin for the diaphragm. Journal of Experimental Biology, 2017, 220, 737-737.	1.7	0
44	White-nose syndrome dehydrates bats. Journal of Experimental Biology, 2017, 220, 4326-4326.	1.7	0
45	Fidgety embryos grow longer limbs. Journal of Experimental Biology, 2017, 220, 1936-1936.	1.7	0
46	From pinnipeds to people: divers have elastic arteries. Journal of Experimental Biology, 2016, 219, 2579-2579.	1.7	1
47	Individual variation in whole-animal hypoxia tolerance is associated with cardiac hypoxia tolerance in a marine teleost. Biology Letters, 2016, 12, 20150708.	2.3	34
48	The shark heart crowned. Journal of Experimental Biology, 2016, 219, 3674-3675.	1.7	0
49	In situcardiac perfusion reveals interspecific variation of intraventricular flow separation in reptiles. Journal of Experimental Biology, 2016, 219, 2220-7.	1.7	18
50	Taurine tunes cuttlefish cardiac output. Journal of Experimental Biology, 2016, 219, 1588-1588.	1.7	0
51	Anoxia and Acidosis Tolerance of the Heart in an Air-Breathing Fish (Pangasianodon hypophthalmus). Physiological and Biochemical Zoology, 2015, 88, 648-659.	1.5	11
52	The effects of hypoxic bradycardia and extracellular HCO3â˜/CO2 on hypoxic performance in the eel heart. Journal of Experimental Biology, 2015, 219, 302-5.	1.7	11
53	Purinoceptors exert negative inotropic effects on the heart in all major groups of reptiles. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2014, 171, 16-22.	1.8	11
54	Adenosinergic regulation of the cardiovascular system in the red-eared slider Trachemys scripta. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2014, 174, 18-22.	1.8	19