

Tobias Wang

List of Publications by Year in descending order

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Version: 2024-02-01

351
papers

9,277
citations

50170

46
h-index

88477

70
g-index

359
all docs

359
docs citations

359
times ranked

6489
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of heart rate in vertebrates during hypoxia: A comparative overview. <i>Acta Physiologica</i> , 2022, 234, e13779.	1.8	14
2	A new model for sodium uptake in the zebrafish gill. <i>Acta Physiologica</i> , 2022, 234, e13787.	1.8	4
3	<i>Arapaima gigas</i> maintains gas exchange separation in severe aquatic hypoxia but does not suffer branchial oxygen loss. <i>Journal of Experimental Biology</i> , 2022, 225, .	0.8	5
4	Catecholamines are key modulators of ventricular repolarization patterns in the ball python (<i>Python</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	2
5	Alkalosis-induced hypoventilation in cystic fibrosis: The importance of efficient renal adaptation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	6
6	No evidence for pericardial restraint in the snapping turtle (<i>Chelydra serpentina</i>) following pharmacologically-induced bradycardia at rest or during exercise. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2022, , .	0.9	0
7	Short communication: Leucine, but not muscle contractions, stimulates protein synthesis in isolated EDL muscles from golden geckos. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2022, 268, 111206.	0.8	0
8	Hyperpolarized ¹³ C MRI Reveals Large Changes in Pyruvate Metabolism During Digestion in Snakes. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 890-900.	1.9	3
9	Anatomy of the heart of the leatherback turtle. <i>Journal of Anatomy</i> , 2022, 241, 535-544.	0.9	2
10	The mechanical and morphological properties of systemic and pulmonary arteries differ in the Madagascar ground boa, a snake without ventricular pressure separation. <i>Journal of Experimental Biology</i> , 2022, 225, .	0.8	1
11	Obesity prolongs induction times in reptiles. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2022, 271, 111255.	0.8	1
12	An overview of the phylogeny of cardiorespiratory control in vertebrates with some reflections on the "Polyvagal Theory". <i>Biological Psychology</i> , 2022, 172, 108382.	1.1	17
13	The Remarkable Cardiovascular System of Giraffes. <i>Annual Review of Physiology</i> , 2021, 83, 1-15.	5.6	12
14	How cardiac output is regulated: August Krogh's proto-Guytonian understanding of the importance of venous return. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021, 253, 110861.	0.8	10
15	The vasopressor action of angiotensin II (ANG II) in ball pythons (<i>Python regius</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021, 252, 110839.	0.8	0
16	Did giraffe cardiovascular evolution solve the problem of heart failure with preserved ejection fraction?. <i>Evolution, Medicine and Public Health</i> , 2021, 9, 248-255.	1.1	9
17	The nonpharmacological sequence method provides a reliable evaluation of baroreflex sensitivity in fish. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2021, 335, 348-358.	0.9	6
18	± ₁ -adrenergic stimulation increases ventricular action potential duration in the intact mouse heart. <i>Facets</i> , 2021, 6, 823-836.	1.1	2

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19	Arterial wall thickening normalizes arterial wall tension with growth in American alligators, <i>Alligator mississippiensis</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2021, 191, 553-562.	0.7	4
20	The role of mechanistic physiology in investigating impacts of global warming on fishes. <i>Journal of Experimental Biology</i> , 2021, 224, .	0.8	50
21	Striped catfish (<i>Pangasianodon hypophthalmus</i>) use air-breathing and aquatic surface respiration when exposed to severe aquatic hypercarbia. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2021, 335, 820-830.	0.9	1
22	The physiological response to digestion in snakes: A feast for the integrative physiologist. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021, 254, 110891.	0.8	22
23	The magnitude of the Bohr effect profoundly influences the shape and position of the blood oxygen equilibrium curve. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021, 254, 110880.	0.8	6
24	Arterial blood gases during maximum metabolic demands: Patterns across the vertebrate spectrum. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021, 254, 110888.	0.8	3
25	Carbon dioxide and bicarbonate accumulation in caiman erythrocytes during diving. <i>Journal of Experimental Biology</i> , 2021, 224, .	0.8	6
26	The baroreflex in aquatic and amphibious teleosts: Does terrestriality represent a significant driving force for the evolution of a more effective baroreflex in vertebrates?. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021, 255, 110916.	0.8	4
27	Introduction to the special issue: Comparative physiology and the legacy of August Krogh, 1920–2020. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021, 256, 110930.	0.8	0
28	August Krogh's contribution to the rise of physiology during the first half the 20th century. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021, 256, 110931.	0.8	13
29	Pharmacodynamics of propofol and alfaxalone in rattlesnakes (<i>Crotalus durissus</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021, 256, 110935.	0.8	6
30	The snake heart pacemaker is localized near the sinoatrial valve. <i>Journal of Experimental Biology</i> , 2021, 224, .	0.8	2
31	New insights into the allosteric effects of CO ₂ and bicarbonate on crocodilian hemoglobin. <i>Journal of Experimental Biology</i> , 2021, 224, .	0.8	4
32	Maintained barostatic regulation of heart rate in digesting snakes (<i>Boa constrictor</i>). <i>Journal of Experimental Biology</i> , 2021, 224, .	0.8	3
33	The influence of assisted ventilation and recumbency on cardiorespiratory physiology in the anesthetized freshwater turtle <i>Trachemys scripta scripta</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021, 260, 111036.	0.8	3
34	Histamine exerts both direct H ₂ -mediated and indirect catecholaminergic effects on heart rate in pythons. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2021, 191, 347-355.	0.7	1
35	August Krogh, Carbonic Acid, Combustion of Coal, and Global Warming. <i>Function</i> , 2021, 2, zqab052.	1.1	0
36	Virtual and augmented reality: New tools for visualizing, analyzing, and communicating complex morphology. <i>Journal of Morphology</i> , 2021, 282, 1785-1800.	0.6	5

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37	Low incidence of atrial septal defects in nonmammalian vertebrates. <i>Evolution & Development</i> , 2020, 22, 241-256.	1.1	6
38	Morphology and evolution of the snake cornea. <i>Journal of Morphology</i> , 2020, 281, 240-249.	0.6	4
39	A characterization of the electrophysiological properties of the cardiomyocytes from ventricle, atrium and sinus venosus of the snake heart. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2020, 190, 63-73.	0.7	9
40	Cardiovascular shunting in vertebrates: a practical integration of competing hypotheses. <i>Biological Reviews</i> , 2020, 95, 449-471.	4.7	17
41	Smooth Muscle in Cardiac Chambers is Common in Turtles and Extensive in the Emydid Turtle, <i>Trachemys scripta</i> . <i>Anatomical Record</i> , 2020, 303, 1327-1336.	0.8	11
42	Endothelin-1 induces a strong pressor effect in ball pythons (<i>Python regius</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2020, 241, 110620.	0.8	1
43	Donald C. Jackson (1937–2020). <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	1
44	Ectothermy and cardiac shunts profoundly slow the equilibration of inhaled anaesthetics in a multi-compartment model. <i>Scientific Reports</i> , 2020, 10, 17157.	1.6	8
45	Response to “What makes the blood go around?”. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	1
46	Cholinergic regulation along the pulmonary arterial tree of the South American rattlesnake: vascular reactivity, muscarinic receptors, and vagal innervation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 319, R156-R170.	0.9	8
47	Response to “Flow versus pressure?”. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	3
48	Structure and function of crocodilian hemoglobins and allosteric regulation by chloride, ATP, and CO ₂ . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 318, R657-R667.	0.9	12
49	Apes, adaptations, and artifacts of anesthetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 5573-5573.	3.3	2
50	What determines systemic blood flow in vertebrates?. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	37
51	Douglas Adams and the question of arterial blood pressure in mammals. <i>Acta Physiologica</i> , 2020, 228, e13452.	1.8	3
52	Effects of temperature on acid-base regulation, gill ventilation and air-breathing in the clown knifefish, <i>Chitala ornata</i> . <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	6
53	New Device for Noninvasive Telemetric Monitoring of Vital Signs in Healthy and Newly Operated Piglets. <i>Journal of the American Association for Laboratory Animal Science</i> , 2020, 59, 90-93.	0.6	1
54	Mogens Lesner Glass (1946-2018). <i>Brazilian Journal of Medical and Biological Research</i> , 2020, 53, .	0.7	1

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55	Analgesia for non-mammalian vertebrates. <i>Current Opinion in Physiology</i> , 2019, 11, 75-84.	0.9	13
56	Identification of the building blocks of ventricular septation in monitor lizards (<i>Varanidae</i>). <i>Development (Cambridge)</i> , 2019, 146, .	1.2	18
57	Cardiovascular and ventilatory interactions in the facultative air-breathing teleost <i>Pangasianodon hypophthalmus</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2019, 189, 425-440.	0.7	8
58	Respiratory control of acid-base status in lungfish. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019, 237, 110533.	0.8	4
59	Magnetic Resonance Imaging (MRI) reveals high cardiac ejection fractions in red-footed tortoises (<i>Chelonoidis carbonarius</i>). <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	5
60	Origin and diversification of the plasminogen activation system among chordates. <i>BMC Evolutionary Biology</i> , 2019, 19, 27.	3.2	31
61	Similitude in the cardiorespiratory responses to exercise across vertebrates. <i>Current Opinion in Physiology</i> , 2019, 10, 137-145.	0.9	11
62	Effect of water pH and calcium on ion balance in five fish species of the Mekong Delta. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019, 232, 34-39.	0.8	11
63	Effects of lactate ions on the cardiorespiratory system in rainbow trout (<i>Oncorhynchus</i>). <i>Journal of Experimental Biology</i> , 2019, 222, 316, R607-R620.	0.9	11
64	Contraction of atrial smooth muscle reduces cardiac output in perfused turtle hearts. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	7
65	Renal acid excretion contributes to acid-base regulation during hypercapnia in air-exposed swamp eel (<i>Monopterus albus</i>). <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	8
66	Weighing the evidence for using vascular conductance, not resistance, in comparative cardiovascular physiology. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	22
67	Does the left aorta provide proton-rich blood to the gut when crocodylians digest a meal?. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	6
68	Evolution and Development of the Atrial Septum. <i>Anatomical Record</i> , 2019, 302, 32-48.	0.8	34
69	Learning to Air-Breathe: The First Steps. <i>Physiology</i> , 2019, 34, 14-29.	1.6	41
70	The effects of endogenous and exogenous catecholamines on hypoxic cardiac performance in redbellied piranhas. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2019, 331, 27-37.	0.9	6
71	The electrocardiogram of vertebrates: Evolutionary changes from ectothermy to endothermy. <i>Progress in Biophysics and Molecular Biology</i> , 2019, 144, 16-29.	1.4	36
72	Cooling and Warming Rates are Unaffected by Autonomic Vascular Control in the South American Rattlesnake (<i>Crotalus durissus</i>). <i>South American Journal of Herpetology</i> , 2019, 14, 242.	0.5	8

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73	Retinal oxygen supply shaped the functional evolution of the vertebrate eye. <i>ELife</i> , 2019, 8, .	2.8	19
74	Acid-base regulation in the air-breathing swamp eel (<i>Monopterus albus</i>) at different temperatures. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	8
75	Air-breathing changes the pattern for temperature-induced pH regulation in a bimodal breathing teleost. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2018, 188, 451-459.	0.7	12
76	Ventilatory responses of the clown knifefish, <i>Chitala ornata</i> , to hypercarbia and hypercapnia. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2018, 188, 581-589.	0.7	8
77	Contribution of active atrial contraction to cardiac output in anesthetized American alligators (<i>Alligator mississippiensis</i>). <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	5
78	Anaesthetic induction with alfaxalone in the ball python (<i>Python regius</i>): dose response and effect of injection site. <i>Veterinary Anaesthesia and Analgesia</i> , 2018, 45, 329-337.	0.3	22
79	Oxygen- and capacity-limited thermal tolerance: blurring ecology and physiology. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	204
80	The effects of morphine on gas exchange, ventilation pattern and ventilatory responses to hypercapnia and hypoxia in dwarf caiman (<i>Paleosuchus palpebrosus</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2018, 222, 60-65.	0.8	4
81	Cardiovascular effects of histamine in three widely diverse species of reptiles. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2018, 188, 153-162.	0.7	6
82	Venous pressures and cardiac filling in turtles during apnoea and intermittent ventilation. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2018, 188, 481-490.	0.7	15
83	Feeding alters blood flow patterns in the American alligator (<i>Alligator mississippiensis</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2018, 215, 1-5.	0.8	7
84	Clown knifefish (<i>Chitala ornata</i>) oxygen uptake and its partitioning in present and future temperature environments. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2018, 216, 52-59.	0.8	19
85	Does mean arterial blood pressure scale with body mass in mammals? Effects of measurement of blood pressure. <i>Acta Physiologica</i> , 2018, 222, e13010.	1.8	17
86	Elimination of Intracardiac Shunting Provides Stable Gas Anesthesia in Tortoises. <i>Scientific Reports</i> , 2018, 8, 17124.	1.6	19
87	Water pH limits extracellular but not intracellular pH compensation in the CO ₂ tolerant freshwater fish, <i>Pangasianodon hypophthalmus</i> . <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	9
88	Deciphering function of the pulmonary arterial sphincters in loggerhead sea turtles (<i>Caretta</i>) Tj ETQq0 0 0 rgBT Overlock 10 Tf 50 14	0.8	15
89	The effects of embryonic hypoxic programming on cardiovascular function and autonomic regulation in the American alligator (<i>Alligator mississippiensis</i>) at rest and during swimming. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2018, 188, 967-976.	0.7	14
90	Analysis of vascular mechanical properties from the yellow anaconda indicates increased elasticity and distensibility of the pulmonary artery during digestion. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	8

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91	The choroid plexus sodium bicarbonate cotransporter NBCe2 regulates mouse cerebrospinal fluid pH. <i>Journal of Physiology</i> , 2018, 596, 4709-4728.	1.3	34
92	Maximum heart rate does not limit cardiac output at rest or during exercise in the American alligator (<i>Alligator mississippiensis</i>). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 315, R296-R302.	0.9	14
93	Đánh giá nồng độ CO ₂ cao trong máu của cá náy (Monopterus albus) Chi Khoa Hoc = <i>Journal of Science</i> , 2018, 54(3), 138.	0.1	0
94	The beat goes on. <i>ELife</i> , 2018, 7, .	2.8	0
95	Right-to-left shunt has modest effects on CO ₂ delivery to the gut during digestion, but compromises oxygen delivery. <i>Journal of Experimental Biology</i> , 2017, 220, 531-536.	0.8	7
96	Autoregulation of cardiac output is overcome by adrenergic stimulation in the anaconda heart. <i>Journal of Experimental Biology</i> , 2017, 220, 336-340.	0.8	11
97	Vascular distensibilities have minor effects on intracardiac shunt patterns in reptiles. <i>Zoology</i> , 2017, 122, 46-51.	0.6	10
98	The influence of mechanical ventilation on physiological parameters in ball pythons (<i>Python regius</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017, 207, 30-35.	0.8	14
99	Nitrogenic cardiovascular regulation in the African lungfish, <i>Protopterus aethiopicus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017, 207, 52-56.	0.8	12
100	Temperature effects on aerobic scope and cardiac performance of European perch (<i>Perca fluviatilis</i>). <i>Journal of Thermal Biology</i> , 2017, 68, 162-169.	1.1	20
101	When local anesthesia becomes universal: Pronounced systemic effects of subcutaneous lidocaine in bullfrogs (<i>Lithobates catesbeianus</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017, 209, 41-46.	0.8	13
102	Reply to the commentary by Hillman et al. on: "Vascular distensibilities have minor effects on intracardiac shunt patterns in reptiles" by Filogonio et al. (2017). <i>Zoology</i> , 2017, 122, 55-57.	0.6	3
103	Chronic maternal inflammation or high-fat-feeding programs offspring obesity in a sex-dependent manner. <i>International Journal of Obesity</i> , 2017, 41, 1420-1426.	1.6	29
104	EVALUATION OF FEEDING BEHAVIOR AS AN INDICATOR OF PAIN IN SNAKES. <i>Journal of Zoo and Wildlife Medicine</i> , 2017, 48, 196-199.	0.3	12
105	The hairy lizard: heterothermia affects anaesthetic requirements in the Arabian oryx (<i>Oryx leucoryx</i>). <i>Veterinary Anaesthesia and Analgesia</i> , 2017, 44, 899-904.	0.3	4
106	Is the hypoxic ventilatory response driven by blood oxygen concentration?. <i>Journal of Experimental Biology</i> , 2017, 220, 956-958.	0.8	7
107	Interspecific variation and plasticity in hemoglobin nitrite reductase activity and its correlation with oxygen affinity in vertebrates. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017, 206, 47-53.	0.8	7
108	Anesthesia and Euthanasia of Amphibians and Reptiles Used in Scientific Research: Should Hypothermia and Freezing Be Prohibited?. <i>BioScience</i> , 2017, 67, 53-61.	2.2	44

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109	ACCURACY OF NONINVASIVE ANESTHETIC MONITORING IN THE ANESTHETIZED GIRAFFE (<i>GIRAFFA</i>) Tj ETQq1 1 0,784314,rgBT /Over	0.3	7
110	Transcriptome analysis of the response of Burmese python to digestion. <i>GigaScience</i> , 2017, 6, 1-18.	3.3	17
111	Morpho-functional characterization of the systemic venous pole of the reptile heart. <i>Scientific Reports</i> , 2017, 7, 6644.	1.6	26
112	Lactate provides a strong pH-independent ventilatory signal in the facultative air-breathing teleost <i>Pangasianodon hypophthalmus</i> . <i>Scientific Reports</i> , 2017, 7, 6378.	1.6	19
113	Recovery of blood gases and haematological parameters upon anaesthesia with benzocaine, MS-222 or Aqui-S in the air-breathing catfish <i>Pangasianodon hypophthalmus</i> . <i>Ichthyological Research</i> , 2017, 64, 84-92.	0.5	16
114	Long-term surgical anaesthesia with isoflurane in human habituated Nile Crocodiles. <i>Journal of the South African Veterinary Association</i> , 2017, 88, e1-e6.	0.2	5
115	Latency transition of plasminogen activator inhibitor type 1 is evolutionarily conserved. <i>Thrombosis and Haemostasis</i> , 2017, 117, 1688-1699.	1.8	8
116	Morphology of the snake spectacle reflects its evolutionary adaptation and development. <i>BMC Veterinary Research</i> , 2017, 13, 258.	0.7	14
117	Vascular flow reserve as a link between long-term blood pressure level and physical performance capacity in mammals. <i>Physiological Reports</i> , 2016, 4, e12813.	0.7	3
118	Commentary: The Spinal Cord Has an Intrinsic System for the Control of pH. <i>Frontiers in Physiology</i> , 2016, 7, 513.	1.3	2
119	Tachycardia in response to remote capsaicin injection as a model for nociception in the ball python (<i>Python regius</i>). <i>Veterinary Anaesthesia and Analgesia</i> , 2016, 43, 429-434.	0.3	24
120	Periodic ventilation: Consequences for the bodily CO ₂ stores and gas exchange efficiency. <i>Respiratory Physiology and Neurobiology</i> , 2016, 231, 63-74.	0.7	10
121	From tissue to silicon to plastic: three-dimensional printing in comparative anatomy and physiology. <i>Royal Society Open Science</i> , 2016, 3, 150643.	1.1	20
122	<i>In situ</i> cardiac perfusion reveals interspecific variation of intraventricular flow separation in reptiles. <i>Journal of Experimental Biology</i> , 2016, 219, 2220-7.	0.8	18
123	Increased temperature tolerance of the air-breathing Asian swamp eel (<i>Monopterus albus</i>) after high-temperature acclimation is not explained by improved cardiorespiratory performance. <i>Journal of Fish Biology</i> , 2016, 88, 418-432.	0.7	20
124	How and why pH changes with body temperature: the $\hat{\pm}$ -stat hypothesis. <i>Journal of Experimental Biology</i> , 2016, 219, 1090-1092.	0.8	19
125	Low cost of gastric acid secretion during digestion in ball pythons. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016, 194, 62-66.	0.8	8
126	Maximal oxygen consumption increases with temperature in the European eel (<i>Anguilla</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td		24

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127	Improved cardiac filling facilitates the postprandial elevation of stroke volume in <i>Python regius</i> . <i>Journal of Experimental Biology</i> , 2016, 219, 3009-3018.	0.8	15
128	The long road to steady state in gas exchange: metabolic and ventilatory responses to hypercapnia and hypoxia in <i>Cuvier's</i> dwarf caiman. <i>Journal of Experimental Biology</i> , 2016, 219, 3810-3821.	0.8	7
129	Digestive physiology in reptiles with special reference to pythons. , 2016, , 81-114.		0
130	Low Oxygen Levels Slow Embryonic Development of <i>Limulus polyphemus</i> . <i>Biological Bulletin</i> , 2016, 231, 113-119.	0.7	24
131	Conservation physiology of marine fishes: state of the art and prospects for policy. , 2016, 4, cow046.		89
132	Vagal tone regulates cardiac shunts during activity and at low temperatures in the South American rattlesnake, <i>Crotalus durissus</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2016, 186, 1059-1066.	0.7	17
133	Comparative morphology of the snake spectacle using light and transmission electron microscopy. <i>Veterinary Ophthalmology</i> , 2016, 19, 285-290.	0.6	7
134	Ambient CO ₂ , fish behaviour and altered GABAergic neurotransmission: exploring the mechanism of CO ₂ -altered behaviour by taking a hypercapnia dweller down to low CO ₂ levels. <i>Journal of Experimental Biology</i> , 2016, 219, 109-118.	0.8	52
135	Coronary blood flow in the anesthetized American alligator (<i>Alligator mississippiensis</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016, 191, 44-52.	0.8	13
136	Low cost of pulmonary ventilation in American alligators (<i>Alligator mississippiensis</i>) stimulated with doxapram. <i>Journal of Experimental Biology</i> , 2016, 219, 933-6.	0.8	9
137	Closed system respirometry may underestimate tissue gas exchange and bias the respiratory exchange ratio (RER). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016, 192, 17-27.	0.8	11
138	The spider hemolymph clot proteome reveals high concentrations of hemocyanin and von Willebrand factor-like proteins. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 233-241.	1.1	24
139	Does oxygen limit thermal tolerance in arthropods? A critical review of current evidence. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016, 192, 64-78.	0.8	252
140	Anoxia and Acidosis Tolerance of the Heart in an Air-Breathing Fish (<i>Pangasianodon hypophthalmus</i>). <i>Physiological and Biochemical Zoology</i> , 2015, 88, 648-659.	0.6	11
141	Some like it hot: Thermal tolerance and oxygen supply capacity in two eurythermal crustaceans. <i>Scientific Reports</i> , 2015, 5, 10743.	1.6	81
142	Unilateral microphthalmia or anophthalmia in eight pythons (Pythonidae). <i>Veterinary Ophthalmology</i> , 2015, 18, 23-29.	0.6	7
143	The mechanical properties of the systemic and pulmonary arteries of <i>python regius</i> correlate with blood pressures. <i>Journal of Morphology</i> , 2015, 276, 1412-1421.	0.6	13
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