

Edward M Dzialowski

List of Publications by Year in descending order

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44
papers

1,010
citations

516710

16
h-index

434195

31
g-index

46
all docs

46
docs citations

46
times ranked

1063
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of operative temperature and standard operative temperature models in thermal biology. <i>Journal of Thermal Biology</i> , 2005, 30, 317-334.	2.5	171
2	Physiological and Reproductive Effects of Beta Adrenergic Receptor Antagonists in <i>Daphnia magna</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2006, 50, 503-510.	4.1	113
3	Chronic hypoxia alters the physiological and morphological trajectories of developing chicken embryos. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2002, 131, 713-724.	1.8	109
4	Maternal effects of egg size on emu <i>Dromaius novaehollandiae</i> egg composition and hatchling phenotype. <i>Journal of Experimental Biology</i> , 2004, 207, 597-606.	1.7	52
5	Development of endothermy in birds: patterns and mechanisms. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2018, 188, 373-391.	1.5	48
6	Maturation of cardiovascular control mechanisms in the embryonic emu (<i>Dromiceius</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (novaehollandiae). <i>Journal of Experimental Biology</i> , 2004, 207, 597-606.	1.7	45
7	Physiological Control of Warming and Cooling during Simulated Shuttling and Basking in Lizards. <i>Physiological and Biochemical Zoology</i> , 2001, 74, 679-693.	1.5	33
8	Prenatal cardiovascular shunts in amniotic vertebrates. <i>Respiratory Physiology and Neurobiology</i> , 2011, 178, 66-74.	1.6	28
9	Maturation of the contractile response of the Emu ductus arteriosus. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2008, 178, 401-412.	1.5	27
10	Morphological Changes in the Chicken Ductus Arteriosi During Closure at Hatching. <i>Anatomical Record</i> , 2008, 291, 1007-1015.	1.4	26
11	Thermal time constant estimation in warming and cooling ectotherms. <i>Journal of Thermal Biology</i> , 2001, 26, 231-245.	2.5	25
12	Effects of hypoxic and hyperoxic incubation on the reactivity of the chicken embryo (<i>Gallus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3094, 152-161.	2.0	25
13	Developmental plasticity of mitochondrial function in American alligators, <i>Alligator mississippiensis</i> . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 311, R1164-R1172.	1.8	24
14	Thick-walled physical models improve estimates of operative temperatures for moderate to large-sized reptiles. <i>Journal of Thermal Biology</i> , 2000, 25, 293-304.	2.5	23
15	Mechanisms mediating the oxygen-induced vasoreactivity of the ductus arteriosus in the chicken embryo. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 295, R1647-R1659.	1.8	23
16	Development of endothermy and concomitant increases in cardiac and skeletal muscle mitochondrial respiration in the precocial Pekin duck (<i>Anas platyrhynchos domestica</i>). <i>Journal of Experimental Biology</i> , 2016, 219, 1214-23.	1.7	22
17	The 12-day thermoregulatory metamorphosis of Red-winged Blackbirds (<i>Agelaius phoeniceus</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2016, 186, 651-663.	1.5	16
18	Comparative physiology of the ductus arteriosus among vertebrates. <i>Seminars in Perinatology</i> , 2018, 42, 203-211.	2.5	16

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19	Importance of the limbs in the physiological control of heat exchange in Iguana iguana and <i>Sceloporus undulatus</i> . <i>Journal of Thermal Biology</i> , 2004, 29, 299-305.	2.5	15
20	Ventilation changes associated with hatching and maturation of an endothermic phenotype in the Pekin duck, <i>Anas platyrhynchos domestica</i> . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R766-R775.	1.8	14
21	Effects of egg size on Double-crested Cormorant (<i>Phalacrocorax auritus</i>) egg composition and hatchling phenotype. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2009, 152, 262-267.	1.8	13
22	Post-hatching development of mitochondrial function, organ mass and metabolic rate in two ectotherms, the American alligator (<i>Alligator mississippiensis</i>) and the common snapping turtle (<i>Chelydra serpentina</i>). <i>Biology Open</i> , 2016, 5, 443-451.	1.2	13
23	Thermal acclimation in American alligators: Effects of temperature regime on growth rate, mitochondrial function, and membrane composition. <i>Journal of Thermal Biology</i> , 2017, 68, 45-54.	2.5	13
24	Respiratory and cardiovascular responses to acute hypoxia and hyperoxia in internally pipped chicken embryos. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 148, 761-768.	1.8	12
25	Circulatory changes associated with the closure of the ductus arteriosus in hatching emu (<i>Dromaius</i>). <i>Tj ETQq1 1 0.784314 rgBT /Over Physiology</i> , 2016, 191, 202-208.	1.8	10
26	The membrane pacemaker hypothesis: novel tests during the ontogeny of endothermy. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	10
27	Physiological determinants of the interesting interval in sea turtles: a novel "water-limitation" hypothesis. <i>Biology Letters</i> , 2019, 15, 20190248.	2.3	10
28	Central mu opioids mediate differential control of urine flow rate and urinary sodium excretion in conscious rats. <i>Life Sciences</i> , 1995, 56, PL243-PL248.	4.3	9
29	Thyroid hormone manipulation influences development of cardiovascular regulation in embryonic Pekin duck, <i>Anas platyrhynchos domestica</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2018, 188, 843-853.	1.5	7
30	Breathing while altricial: the ontogeny of ventilatory chemosensitivity in red-winged blackbird (<i>Agelaius phoeniceus</i>) nestlings. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 311, R1105-R1112.	1.8	6
31	Rapid embryonic accretion of docosahexaenoic acid (DHA) in the brain of an altricial bird with an aquatic-based maternal diet. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	6
32	Fluctuations in oxygen influence facultative endothermy in bumblebees. <i>Journal of Experimental Biology</i> , 2014, 217, 3834-3842.	1.7	5
33	Manipulating plasma thyroid hormone levels at hatching alters development of endothermy and ventilation in Pekin duck (<i>Anas platyrhynchos domestica</i>). <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	5
34	In vitro oxygen exposure promotes maturation of the oxygen sensitive contraction in pre-term chicken ductus arteriosus. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2015, 188, 175-180.	1.8	4
35	Dietary Exposure to Low Levels of Crude Oil Affects Physiological and Morphological Phenotype in Adults and Their Eggs and Hatchlings of the King Quail (<i>Coturnix chinensis</i>). <i>Frontiers in Physiology</i> , 2021, 12, 661943.	2.8	4
36	Morphology of the embryonic and hatchling american alligator ductus arteriosi and implications for embryonic cardiovascular shunting. <i>Journal of Morphology</i> , 2012, 273, 186-194.	1.2	3

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37	Scaling of cardiac morphology is interrupted by birth in the developing sheep <i>Ovis aries</i> . Journal of Anatomy, 2019, 235, 96-105.	1.5	3
38	The Effects of Glyphosate Based Herbicides on Chick Embryo Morphology during Development. FASEB Journal, 2013, 27, 874.12.	0.5	3
39	Sarcoplasmic reticulum Ca ²⁺ -ATPase (SERCA) activity during the transition to endothermy in an altricial bird. Journal of Experimental Biology, 2019, 222, .	1.7	2
40	Developing chicken cardiac muscle mitochondria are resistant to variations in incubation oxygen levels. Current Research in Physiology, 2022, 5, 151-157.	1.7	1
41	Ontogeny of skeletal and cardiac muscle mitochondria oxygen fluxes in two breeds of chicken. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2018, 215, 20-27.	1.8	0
42	Maturation of the oxygen-induced contractile response of the chicken ductus arteriosus during exposure to increased oxygen. FASEB Journal, 2009, 23, LB90.	0.5	0
43	Role of Rho-Kinase Activity and Expression in the Ductus Arteriosus in the Chicken Embryo. FASEB Journal, 2010, 24, lb575.	0.5	0
44	Morphological changes in the ductus arteriosus in response to development in hypoxia and hyperoxia. FASEB Journal, 2010, 24, lb574.	0.5	0