

# 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	Developing chicken cardiac muscle mitochondria are resistant to variations in incubation oxygen levels. <i>Current Research in Physiology</i> , 2022, 5, 151-157.	1.7	1
2	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
3	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
4	Sarcoplasmic reticulum Ca <sup>2+</sup> -ATPase (SERCA) activity during the transition to endothermy in an altricial bird. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	2
5	Scaling of cardiac morphology is interrupted by birth in the developing sheep <i>Ovis aries</i> . <i>Journal of Anatomy</i> , 2019, 235, 96-105.	1.5	3
6	Physiological determinants of the interesting interval in sea turtles: a novel "water-limitation" hypothesis. <i>Biology Letters</i> , 2019, 15, 20190248.	2.3	10
7	The membrane pacemaker hypothesis: novel tests during the ontogeny of endothermy. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	10
8	Ontogeny of skeletal and cardiac muscle mitochondria oxygen fluxes in two breeds of chicken. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2018, 215, 20-27.	1.8	0
9	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
10	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
11	Comparative physiology of the ductus arteriosus among vertebrates. <i>Seminars in Perinatology</i> , 2018, 42, 203-211.	2.5	16
12	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
13	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
14	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
15	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
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	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

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19	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
20	Circulatory changes associated with the closure of the ductus arteriosus in hatching emu ( <i>Dromaius</i> ). <i>Journal of Experimental Physiology</i> , 2016, 191, 202-208.	1.8	10
21	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 &amp; Integrative Physiology</i> , 2015, 188, 175-180.	1.8	4
22	Fluctuations in oxygen influence facultative endothermy in bumblebees. <i>Journal of Experimental Biology</i> , 2014, 217, 3834-3842.	1.7	5
23	The Effects of Glyphosate Based Herbicides on Chick Embryo Morphology during Development. <i>FASEB Journal</i> , 2013, 27, 874.12.	0.5	3
24	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
25	Prenatal cardiovascular shunts in amniotic vertebrates. <i>Respiratory Physiology and Neurobiology</i> , 2011, 178, 66-74.	1.6	28
26	Role of Rho Kinase Activity and Expression in the Ductus Arteriosus in the Chicken Embryo. <i>FASEB Journal</i> , 2010, 24, 1b575.	0.5	0
27	Morphological changes in the ductus arteriosus in response to development in hypoxia and hyperoxia. <i>FASEB Journal</i> , 2010, 24, 1b574.	0.5	0
28	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 &amp; Integrative Physiology</i> , 2009, 152, 262-267.	1.8	13
29	Effects of hypoxic and hyperoxic incubation on the reactivity of the chicken embryo ( <i>Gallus</i> ). <i>Journal of Experimental Biology</i> , 2009, 222, 94, 152-161.	2.0	25
30	Maturation of the oxygen-induced contractile response of the chicken ductus arteriosus during exposure to increased oxygen. <i>FASEB Journal</i> , 2009, 23, LB90.	0.5	0
31	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
32	Morphological Changes in the Chicken Ductus Arteriosi During Closure at Hatching. <i>Anatomical Record</i> , 2008, 291, 1007-1015.	1.4	26
33	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
34	Respiratory and cardiovascular responses to acute hypoxia and hyperoxia in internally pipped chicken embryos. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2007, 148, 761-768.	1.8	12
35	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
36	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

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37	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
38	Importance of the limbs in the physiological control of heat exchange in Iguana <i>Iguana</i> and <i>Sceloporus undulatus</i> . <i>Journal of Thermal Biology</i> , 2004, 29, 299-305.	2.5	15
39	Maturation of cardiovascular control mechanisms in the embryonic emu ( <i>Dromiceius</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 602	1.7	45
40	Chronic hypoxia alters the physiological and morphological trajectories of developing chicken embryos. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2002, 131, 713-724.	1.8	109
41	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
42	Thermal time constant estimation in warming and cooling ectotherms. <i>Journal of Thermal Biology</i> , 2001, 26, 231-245.	2.5	25
43	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
44	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