

# Dale F Denardo

## List of Publications by Year in descending order

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97  
papers

3,094  
citations

147801

31  
h-index

182427

51  
g-index

100  
all docs

100  
docs citations

100  
times ranked

2479  
citing authors

#	ARTICLE	IF	CITATIONS
1	Testosterone, Endurance, and Darwinian Fitness: Natural and Sexual Selection on the Physiological Bases of Alternative Male Behaviors in Side-Blotched Lizards. <i>Hormones and Behavior</i> , 2000, 38, 222-233.	2.1	313
2	Effects of Steroid Hormone Interaction on Activity and Home-Range Size of Male Lizards. <i>Hormones and Behavior</i> , 1994, 28, 273-287.	2.1	140
3	Effects of Corticosterone on Social Behavior of Male Lizards. <i>Hormones and Behavior</i> , 1993, 27, 184-199.	2.1	136
4	Human disturbance alters endocrine and immune responses in the Galapagos marine iguana ( <i>Amblyrhynchus cristatus</i> ). <i>Hormones and Behavior</i> , 2010, 58, 792-799.	2.1	132
5	Capital breeding and reproductive effort in a variable environment: a longitudinal study of a viviparous snake. <i>Journal of Animal Ecology</i> , 2002, 71, 470-479.	2.8	112
6	Transcriptomic Analysis of Tail Regeneration in the Lizard <i>Anolis carolinensis</i> Reveals Activation of Conserved Vertebrate Developmental and Repair Mechanisms. <i>PLoS ONE</i> , 2014, 9, e105004.	2.5	112
7	Effects of Corticosterone on Activity and Home-Range Size of Free-Ranging Male Lizards. <i>Hormones and Behavior</i> , 1994, 28, 53-65.	2.1	101
8	Seasonal steroid hormone levels and their relation to reproduction in the Western Diamond-backed Rattlesnake, <i>Crotalus atrox</i> (Serpentes: Viperidae). <i>General and Comparative Endocrinology</i> , 2004, 136, 328-337.	1.8	99
9	Effects of food supplementation on the physiological ecology of female Western diamond-backed rattlesnakes ( <i>Crotalus atrox</i> ). <i>Oecologia</i> , 2005, 144, 206-213.	2.0	79
10	Phylogeography of the California mountain kingsnake, <i>Lampropeltis zonata</i> (Colubridae). <i>Molecular Ecology</i> , 1999, 8, 1923-1934.	3.9	71
11	Thermal Sensitivity of Immune Function: Evidence against a Generalist-Specialist Trade-Off among Endothermic and Ectothermic Vertebrates. <i>American Naturalist</i> , 2013, 181, 761-774.	2.1	62
12	Water Supplementation Affects the Behavioral and Physiological Ecology of Gila Monsters ( <i>Heloderma suspectum</i> ) in the Sonoran Desert. <i>Physiological and Biochemical Zoology</i> , 2009, 82, 739-748.	1.5	54
13	Somitogenesis in the anole lizard and alligator reveals evolutionary convergence and divergence in the amniote segmentation clock. <i>Developmental Biology</i> , 2012, 363, 308-319.	2.0	52
14	The urinary bladder as a physiological reservoir that moderates dehydration in a large desert lizard, the Gila monster <i>Heloderma suspectum</i> . <i>Journal of Experimental Biology</i> , 2007, 210, 1472-1480.	1.7	51
15	Thermoregulation during gravidity in the children's python ( <i>Antaresia childreni</i> ): a test of the preadaptation hypothesis for maternal thermophily in snakes. <i>Biological Journal of the Linnean Society</i> , 0, 93, 499-508.	1.6	46
16	Microclimate preferences correlate with contrasted evaporative water loss in parapatric vipers at their contact zone. <i>Canadian Journal of Zoology</i> , 2014, 92, 81-86.	1.0	45
17	Maternal influences on early development: preferred temperature prior to oviposition hastens embryogenesis and enhances offspring traits in the Children's python, <i>Antaresia childreni</i> . <i>Journal of Experimental Biology</i> , 2012, 215, 1346-1353.	1.7	44
18	Cold climate specialization: Adaptive covariation between metabolic rate and thermoregulation in pregnant vipers. <i>Physiology and Behavior</i> , 2013, 119, 149-155.	2.1	44

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19	Anesthesia and Euthanasia of Amphibians and Reptiles Used in Scientific Research: Should Hypothermia and Freezing Be Prohibited?. <i>BioScience</i> , 2017, 67, 53-61.	4.9	44
20	Comparative Genomics Reveals Accelerated Evolution in Conserved Pathways during the Diversification of Anole Lizards. <i>Genome Biology and Evolution</i> , 2018, 10, 489-506.	2.5	43
21	Too much of a good thing? Human disturbance linked to ecotourism has a "dose-dependent" impact on innate immunity and oxidative stress in marine iguanas, <i>Amblyrhynchus cristatus</i> . <i>Biological Conservation</i> , 2017, 210, 37-47.	4.1	42
22	A comparison between point- and semi-continuous sampling for assessing body temperature in a free-ranging ectotherm. <i>Journal of Thermal Biology</i> , 2004, 29, 91-96.	2.5	41
23	Water availability and environmental temperature correlate with geographic variation in water balance in common lizards. <i>Oecologia</i> , 2017, 185, 561-571.	2.0	40
24	Reproductive Ecology of Western Diamond-Backed Rattlesnakes ( <i>Crotalus atrox</i> ) in the Sonoran Desert. <i>Copeia</i> , 2005, 2005, 152-158.	1.3	39
25	Intergenerational trade-off for water may induce a mother's "offspring conflict in favour of embryos in a viviparous snake. <i>Functional Ecology</i> , 2015, 29, 414-422.	3.6	39
26	The effect of hydration state and energy balance on innate immunity of a desert reptile. <i>Frontiers in Zoology</i> , 2013, 10, 23.	2.0	38
27	Maternal brooding in the children's python ( <i>Antaresia childreni</i> ) promotes egg water balance. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2007, 177, 569-577.	1.5	37
28	Seasonal Patterns of Body Condition, Hydration State, and Activity of Gila Monsters ( <i>Heloderma</i> ) <i>Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 3</i>	0.5	36
29	Urban heat island mitigation strategies and lizard thermal ecology: landscaping can quadruple potential activity time in an arid city. <i>Urban Ecosystems</i> , 2015, 18, 1447-1459.	2.4	36
30	Meal consumption is ineffective at maintaining or correcting water balance in a desert lizard, <i>Heloderma suspectum</i> . <i>Journal of Experimental Biology</i> , 2013, 216, 1439-1447.	1.7	34
31	Hysterectomy Uniquely Impacts Spatial Memory in a Rat Model: A Role for the Nonpregnant Uterus in Cognitive Processes. <i>Endocrinology</i> , 2019, 160, 1-19.	2.8	34
32	Stage Dependence of Phenotypical and Phenological Maternal Effects: Insight into Squamate Reptile Reproductive Strategies. <i>American Naturalist</i> , 2013, 182, 223-233.	2.1	33
33	Influence of reproductive mode on metabolic costs of reproduction: insight from the bimodal lizard <i>Zootoca vivipara</i> . <i>Journal of Experimental Biology</i> , 2014, 217, 4049-56.	1.7	33
34	The Agassiz's desert tortoise genome provides a resource for the conservation of a threatened species. <i>PLoS ONE</i> , 2017, 12, e0177708.	2.5	33
35	Cloacal evaporative cooling: a previously undescribed means of increasing evaporative water loss at higher temperatures in a desert ectotherm, the Gila monster <i>Heloderma suspectum</i> . <i>Journal of Experimental Biology</i> , 2004, 207, 945-953.	1.7	32
36	Hematology, leukocyte cytochemical analysis, plasma biochemistry, and plasma electrophoresis of wild-caught and captive-bred Gila monsters ( <i>Heloderma suspectum</i> ). <i>Veterinary Clinical Pathology</i> , 2011, 40, 316-323.	0.7	32

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37	The use of ultrasonography to assess reproductive investment and output in pythons. <i>Biological Journal of the Linnean Society</i> , 2011, 103, 772-778.	1.6	29
38	Metabolic responses to different immune challenges and varying resource availability in the side-blotched lizard ( <i>Uta stansburiana</i> ). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2017, 187, 1173-1182.	1.5	29
39	Hydric Costs of Reproduction: Pregnancy Increases Evaporative Water Loss in the Snake <i>Vipera aspis</i> . <i>Physiological and Biochemical Zoology</i> , 2017, 90, 663-672.	1.5	27
40	Structural and Performance Costs of Reproduction in a Pure Capital Breeder, the Children's Python <i>Antaresia childreni</i> . <i>Physiological and Biochemical Zoology</i> , 2013, 86, 176-183.	1.5	26
41	Cloacal evaporation: an important and previously undescribed mechanism for avian thermoregulation. <i>Journal of Experimental Biology</i> , 2007, 210, 741-749.	1.7	25
42	Embryonic water uptake during pregnancy is stage- and fecundity-dependent in the snake <i>Vipera aspis</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2015, 189, 102-106.	1.8	25
43	Energetic investment associated with vitellogenesis induces an oxidative cost of reproduction. <i>Journal of Animal Ecology</i> , 2019, 88, 461-472.	2.8	25
44	Effect of Male Presence on Reproductive Activity in Captive Female Blood Pythons, <i>Python curtus</i> . <i>Copeia</i> , 2001, 2001, 1138-1141.	1.3	23
45	Winter profile of plasma sex steroid levels in free-living male western diamond-backed rattlesnakes, <i>Crotalus atrox</i> (Serpentes: Viperidae). <i>General and Comparative Endocrinology</i> , 2006, 149, 72-80.	1.8	23
46	Inflammatory Effects of <i>Edwardsiella ictaluri</i> Lipopolysaccharide Modifications in Catfish Gut. <i>Infection and Immunity</i> , 2014, 82, 3394-3404.	2.2	23
47	Parental behavior in pythons is responsive to both the hydric and thermal dynamics of the nest. <i>Journal of Experimental Biology</i> , 2010, 213, 1691-1696.	1.7	22
48	Morphological and Physiological Changes during Reproduction and Their Relationships to Reproductive Performance in a Capital Breeder. <i>Physiological and Biochemical Zoology</i> , 2013, 86, 398-409.	1.5	22
49	Water restriction causes an intergenerational tradeoff and delayed mother-offspring conflict in a viviparous lizard. <i>Functional Ecology</i> , 2018, 32, 676-686.	3.6	22
50	Postural Shifts During Egg Brooding and Their Impact on Egg Water Balance in Children's Pythons ( <i>Antaresia childreni</i> ). <i>Ethology</i> , 2008, 114, 1113-1121.	1.1	21
51	Obligate costs of parental care to offspring: egg brooding-induced hypoxia creates smaller, slower and weaker python offspring. <i>Biological Journal of the Linnean Society</i> , 0, 98, 414-421.	1.6	21
52	Effect of nest temperature on egg-brooding dynamics in Children's pythons. <i>Physiology and Behavior</i> , 2009, 98, 302-306.	2.1	21
53	Water deprivation increases maternal corticosterone levels and enhances offspring growth in the snake <i>Vipera aspis</i> . <i>Journal of Experimental Biology</i> , 2016, 219, 658-67.	1.7	21
54	Muscles provide an internal water reserve for reproduction. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180752.	2.6	21

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55	Reproduction Alters Hydration State but Does Not Impact the Positive Effects of Dehydration on Innate Immune Function in Children's Pythons ( <i>Antaresia childreni</i> ). <i>Physiological and Biochemical Zoology</i> , 2017, 90, 646-654.	1.5	19
56	Alternating egg-brooding behaviors create and modulate a hypoxic developmental micro-environment in Children's pythons ( <i>Antaresia childreni</i> ). <i>Journal of Experimental Biology</i> , 2008, 211, 1535-1540.	1.7	18
57	When less means more: dehydration improves innate immunity in rattlesnakes. <i>Journal of Experimental Biology</i> , 2017, 220, 2287-2295.	1.7	18
58	Revisiting Python Thermogenesis: Brooding Burmese Pythons ( <i>Python bivittatus</i> ) Cue on Body, not Clutch, Temperature. <i>Journal of Herpetology</i> , 2013, 47, 440-444.	0.5	15
59	Molecular Convergence of Infrared Vision in Snakes. <i>Molecular Biology and Evolution</i> , 2011, 28, 45-48.	8.9	12
60	Rattlesnakes Must Drink: Meal Consumption Does Not Improve Hydration State. <i>Physiological and Biochemical Zoology</i> , 2019, 92, 381-385.	1.5	12
61	Absence of exendin-4 effects on postprandial glucose and lipids in the Gila monster, <i>Heloderma suspectum</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2006, 177, 129-134.	1.5	11
62	The consequences of alternative parental care tactics in free-ranging pythons in tropical Australia. <i>Functional Ecology</i> , 2012, 26, 812-821.	3.6	11
63	Are Females Maternal Manipulators, Selfish Mothers, Or Both? Insight from Pythons. <i>Herpetologica</i> , 2012, 68, 299-307.	0.4	10
64	Dehydration enhances multiple physiological defense mechanisms in a desert lizard, <i>Heloderma suspectum</i> . <i>Journal of Experimental Biology</i> , 2017, 220, 2166-2174.	1.7	10
65	Cane toads ( <i>Rhinella marina</i> ) rely on water access, not drought tolerance, to invade xeric Australian environments. <i>Oecologia</i> , 2019, 189, 307-316.	2.0	10
66	The Biology, Clinical Significance and Control of the Common Snake Mite, <i>Ophionyssus natricis</i> , in Captive Reptiles. <i>Journal of Herpetological Medicine and Surgery</i> , 2000, 10, 4-10.	0.4	10
67	Amphibians as Laboratory Animals. <i>ILAR Journal</i> , 1995, 37, 173-181.	1.8	9
68	Sexual variation in assimilation efficiency: its link to phenotype and potential role in sexual dimorphism. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2011, 181, 383-389.	1.5	9
69	A novel lineage of polyomaviruses identified in bark scorpions. <i>Virology</i> , 2021, 563, 58-63.	2.4	9
70	Temporal and Spatial Complexity of Maternal Thermoregulation in Tropical Pythons. <i>Physiological and Biochemical Zoology</i> , 2012, 85, 219-230.	1.5	8
71	Dehydration during egg production alters egg composition and yolk immune function. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2019, 227, 68-74.	1.8	8
72	Discovery of a New TLR Gene and Gene Expansion Event through Improved Desert Tortoise Genome Assembly with Chromosome-Scale Scaffolds. <i>Genome Biology and Evolution</i> , 2020, 12, 3917-3925.	2.5	8

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73	Dehydration enhances cellular and humoral immunity in a mesic snake community. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2020, 333, 306-315.	1.9	7
74	Ambient Temperature Activity of Horned Adders, <i>Bitis caudalis</i> : How Cold Is Too Cold?. <i>Journal of Herpetology</i> , 2002, 36, 688-691.	0.5	6
75	Dehydration enhances innate immunity in a semiaquatic snake from the wet-dry tropics. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2019, 331, 245-252.	1.9	6
76	Egg desiccation leads to dehydration and enhanced innate immunity in python embryos. <i>Developmental and Comparative Immunology</i> , 2019, 90, 147-151.	2.3	6
77	Fear-based aggression and its relationship to corticosterone responsiveness in three species of python. <i>General and Comparative Endocrinology</i> , 2020, 289, 113374.	1.8	6
78	Genome Sequences of Microviruses Identified in Gila Monster Feces. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.6	6
79	Dystocia. <i>Journal of Herpetological Medicine and Surgery</i> , 2000, 10, 8-17.	0.4	6
80	Water storage compromises walking endurance in an active forager: evidence of a trade-off between osmoregulation and locomotor performance. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2008, 194, 713-718.	1.6	5
81	The Role of Python Eggshell Permeability Dynamics in a Respiration-Hydration Trade-Off. <i>Physiological and Biochemical Zoology</i> , 2010, 83, 576-586.	1.5	5
82	Facultative thermogenesis during brooding is not the norm among pythons. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2015, 201, 817-825.	1.6	5
83	Evidence for atypical nest overwintering by hatchling lizards, <i>Heloderma suspectum</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180632.	2.6	5
84	No Effect of Human Presence at Night on Disease, Body Mass, or Metabolism in Rural and Urban House Finches ( <i>Haemorrhous mexicanus</i> ). <i>Integrative and Comparative Biology</i> , 2018, 58, 977-985.	2.0	5
85	Reproductive state and water deprivation increase plasma corticosterone in a capital breeder. <i>General and Comparative Endocrinology</i> , 2020, 288, 113375.	1.8	5
86	Ectoparasites. <i>Journal of Herpetological Medicine and Surgery</i> , 2000, 10, 15-21.	0.4	5
87	Genome Sequence of a Single-Stranded DNA Virus Identified in Gila Monster Feces. <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.6	4
88	The Use of Hormone Antagonists to Inhibit Reproduction in the Lizard, <i>Eublepharus macularius</i> . <i>Journal of Herpetological Medicine and Surgery</i> , 2001, 11, 4-7.	0.4	4
89	Complex tourism and season interactions contribute to disparate physiologies in an endangered rock iguana. , 2022, 10, coac001.		4
90	Do Brooding Pythons Recognize their Clutches? Investigating External Cues for Offspring Recognition in the Children's Python, <i>Antaresia childreni</i> . <i>Ethology</i> , 2012, 118, 793-798.	1.1	3

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91	Glucose tolerance of iguanas is affected by high-sugar diets in the lab and supplemental feeding by ecotourists in the wild. <i>Journal of Experimental Biology</i> , 2022, 225, .	1.7	3
92	Impact of anthropogenic disturbance and vegetation composition on ecophysiology and activity of <i>Uromastix aegyptia</i> (ForskÅ¶l, 1775). <i>Journal of Arid Environments</i> , 2020, 181, 104232.	2.4	2
93	Modeling the costs and benefits associated with the evolution of endothermy using a robotic python. <i>Journal of Experimental Biology</i> , 2017, 220, 2409-2417.	1.7	1
94	The Biology of Reptilian Hepatozoon Species and their Potential Influence on the Health Status of Captive Reptiles. <i>Bulletin of the Association of Reptilian and Amphibian Veterinarians</i> , 1996, 6, 8-12.	0.1	1
95	Behavioral and corticosterone responses to carbon dioxide exposure in reptiles. <i>PLoS ONE</i> , 2020, 15, e0240176.	2.5	1
96	The correlated evolution of foraging mode and reproductive effort in lizards. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, .	2.6	1
97	Tribute to Icons of the American Southwest. <i>Conservation Biology</i> , 2007, 21, 564-565.	4.7	0