

# Lauren A O'connell

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

3,708  
citations

257450

24  
h-index

149698

56  
g-index

91  
all docs

91  
docs citations

91  
times ranked

3237  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolutionary insights into sexual behavior from whiptail lizards. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2022, 337, 88-98.	1.9	6
2	Long distance homing in the cane toad ( <i>Rhinella marina</i> ) in its native range. <i>Journal of Experimental Biology</i> , 2022, 225, .	1.7	5
3	Aggressive but not reproductive boldness in male green anole lizards correlates with baseline vasopressin activity. <i>Hormones and Behavior</i> , 2022, 140, 105109.	2.1	9
4	Molecular physiology of pumiliotoxin sequestration in a poison frog. <i>PLoS ONE</i> , 2022, 17, e0264540.	2.5	10
5	Rapid toxin sequestration modifies poison frog physiology. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	23
6	Social boldness correlates with brain gene expression in male green anoles. <i>Hormones and Behavior</i> , 2021, 133, 105007.	2.1	14
7	Evidence that toxin resistance in poison birds and frogs is not rooted in sodium channel mutations and may rely on ðœtoxin spongeðœ-proteins. <i>Journal of General Physiology</i> , 2021, 153, .	1.9	26
8	The Parental Dilemma: How Evolution of Diverse Strategies for Infant Care Informs Social Behavior Circuits. <i>Frontiers in Neural Circuits</i> , 2021, 15, 734474.	2.8	1
9	Frank Beach Award Winner: Lessons from poison frogs on ecological drivers of behavioral diversification. <i>Hormones and Behavior</i> , 2020, 126, 104869.	2.1	6
10	Conservation of Glomerular Organization in the Main Olfactory Bulb of Anuran Larvae. <i>Frontiers in Neuroanatomy</i> , 2020, 14, 44.	1.7	7
11	Gene expression correlates of social evolution in coral reef butterflyfishes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200239.	2.6	12
12	Bringing immersive science to undergraduate laboratory courses using CRISPR gene knockouts in frogs and butterflies. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	16
13	Studying convergent evolution to relate genotype to behavioral phenotype. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	26
14	Cover Image, Volume 528, Issue 13. <i>Journal of Comparative Neurology</i> , 2020, 528, C4.	1.6	0
15	Multi-glomerular projection of single olfactory receptor neurons is conserved among amphibians. <i>Journal of Comparative Neurology</i> , 2020, 528, 2239-2253.	1.6	15
16	Land use impacts poison frog chemical defenses through changes in leaf litter ant communities. <i>Neotropical Biodiversity</i> , 2020, 6, 75-87.	0.5	15
17	Neural correlates of winning and losing fights in poison frog tadpoles. <i>Physiology and Behavior</i> , 2020, 223, 112973.	2.1	10
18	Hormonal and neural correlates of care in active versus observing poison frog parents. <i>Hormones and Behavior</i> , 2020, 120, 104696.	2.1	18

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19	The skin microbiome facilitates adaptive tetrodotoxin production in poisonous newts. <i>ELife</i> , 2020, 9, .	6.0	51
20	The neural basis of tadpole transport in poison frogs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191084.	2.6	39
21	Evolution of affiliation: patterns of convergence from genomes to behaviour. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180242.	4.0	38
22	Molecular physiology of chemical defenses in a poison frog. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	26
23	Understanding the Loss of Maternal Care in Avian Brood Parasites Using Preoptic Area Transcriptome Comparisons in Brood Parasitic and Non-parasitic Blackbirds. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 1075-1084.	1.8	5
24	Mechanisms of Convergent Egg Provisioning in Poison Frogs. <i>Current Biology</i> , 2019, 29, 4145-4151.e3.	3.9	33
25	Conserved transcriptomic profiles underpin monogamy across vertebrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1331-1336.	7.1	75
26	Circuit Architecture Underlying Distinct Components of Parental Care. <i>Trends in Neurosciences</i> , 2018, 41, 334-336.	8.6	4
27	Divergence in problem-solving skills is associated with differential expression of glutamate receptors in wild finches. <i>Science Advances</i> , 2018, 4, eaao6369.	10.3	26
28	Diversity within diversity: Parasite species richness in poison frogs assessed by transcriptomics. <i>Molecular Phylogenetics and Evolution</i> , 2018, 125, 40-50.	2.7	12
29	Seasonal changes in diet and chemical defense in the Climbing Mantella frog ( <i>Mantella laevigata</i> ). <i>PLoS ONE</i> , 2018, 13, e0207940.	2.5	18
30	Variation in social systems within Chaetodon butterflyfishes, with special reference to pair bonding. <i>PLoS ONE</i> , 2018, 13, e0194465.	2.5	17
31	Protection from UV light is an evolutionarily conserved feature of the haematopoietic niche. <i>Nature</i> , 2018, 558, 445-448.	27.8	59
32	Modification of feeding circuits in the evolution of social behavior. <i>Journal of Experimental Biology</i> , 2017, 220, 92-102.	1.7	57
33	Developmental morphology of granular skin glands in pre-metamorphic egg-eating poison frogs. <i>Zoomorphology</i> , 2017, 136, 219-224.	0.8	19
34	Radiation of the polymorphic Little Devil poison frog ( <i>Oophaga sylvatica</i> ) in Ecuador. <i>Ecology and Evolution</i> , 2017, 7, 9750-9762.	1.9	19
35	Early career researchers: an interview with Lauren O'Connell. <i>Journal of Experimental Biology</i> , 2017, 220, 2303-2305.	1.7	0
36	Interacting amino acid replacements allow poison frogs to evolve epibatidine resistance. <i>Science</i> , 2017, 357, 1261-1266.	12.6	65

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37	Lenomyrmex hoelldobleri: a new ant species discovered in the stomach of the dendrobatid poison frog, <i>Oophaga sylvatica</i> (Funkhouser). <i>ZooKeys</i> , 2016, 618, 79-95.	1.1	3
38	Response to Heethoff, Norton, and Raspotnig: Ant and Mite Diversity Drives Toxin Variation in the Little Devil Poison Frog and Erratum. <i>Journal of Chemical Ecology</i> , 2016, 42, 845-848.	1.8	1
39	Ant and Mite Diversity Drives Toxin Variation in the Little Devil Poison Frog. <i>Journal of Chemical Ecology</i> , 2016, 42, 537-551.	1.8	50
40	Convergent Substitutions in a Sodium Channel Suggest Multiple Origins of Toxin Resistance in Poison Frogs. <i>Molecular Biology and Evolution</i> , 2016, 33, 1068-1080.	8.9	53
41	Optimization of next-generation sequencing transcriptome annotation for species lacking sequenced genomes. <i>Molecular Ecology Resources</i> , 2016, 16, 446-458.	4.8	23
42	A Review of Chemical Defense in Poison Frogs (Dendrobatidae): Ecology, Pharmacokinetics, and Autoresistance. , 2016, , 305-337.		57
43	Social odors conveying dominance and reproductive information induce rapid physiological and neuromolecular changes in a cichlid fish. <i>BMC Genomics</i> , 2015, 16, 114.	2.8	21
44	Poison frogs as a model system for studying the neurobiology of parental care. <i>Current Opinion in Behavioral Sciences</i> , 2015, 6, 76-81.	3.9	30
45	Neural control of maternal and paternal behaviors. <i>Science</i> , 2014, 345, 765-770.	12.6	336
46	Evolutionary Development of Neural Systems in Vertebrates and Beyond. <i>Journal of Neurogenetics</i> , 2013, 27, 69-85.	1.4	18
47	Prostaglandin F <sub>2</sub> ± facilitates female mating behavior based on male performance. <i>Behavioral Ecology and Sociobiology</i> , 2013, 67, 1307-1315.	1.4	31
48	Aromatase regulates aggression in the African cichlid fish <i>Astatotilapia burtoni</i> . <i>Physiology and Behavior</i> , 2013, 112-113, 77-83.	2.1	80
49	Neuroendocrine Mechanisms Underlying Sensory Integration of Social Signals. <i>Journal of Neuroendocrinology</i> , 2013, 25, 644-654.	2.6	37
50	Female preference for males depends on reproductive physiology in the African cichlid fish <i>Astatotilapia burtoni</i> . <i>General and Comparative Endocrinology</i> , 2013, 180, 56-63.	1.8	39
51	Neurochemical profiling of dopaminergic neurons in the forebrain of a cichlid fish, <i>Astatotilapia burtoni</i> . <i>Journal of Chemical Neuroanatomy</i> , 2013, 47, 106-115.	2.1	26
52	Sex differences and similarities in the neuroendocrine regulation of social behavior in an African cichlid fish. <i>Hormones and Behavior</i> , 2013, 64, 468-476.	2.1	37
53	Androgens coordinate neurotransmitter-related gene expression in male whiptail lizards. <i>Genes, Brain and Behavior</i> , 2012, 11, 813-818.	2.2	7
54	Rising StARs: Behavioral, hormonal, and molecular responses to social challenge and opportunity. <i>Hormones and Behavior</i> , 2012, 61, 631-641.	2.1	52

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55	Isotocin regulates paternal care in a monogamous cichlid fish. <i>Hormones and Behavior</i> , 2012, 61, 725-733.	2.1	118
56	Distribution of nonapeptide systems in the forebrain of an African cichlid fish, <i>Astatotilapia burtoni</i> . <i>Journal of Chemical Neuroanatomy</i> , 2012, 44, 86-97.	2.1	73
57	Social Status Predicts How Sex Steroid Receptors Regulate Complex Behavior across Levels of Biological Organization. <i>Endocrinology</i> , 2012, 153, 1341-1351.	2.8	84
58	Evolution of a Vertebrate Social Decision-Making Network. <i>Science</i> , 2012, 336, 1154-1157.	12.6	513
59	Neural distribution of the nuclear progesterone receptor in the tÃngara frog, <i>Physalaemus pustulosus</i> . <i>Journal of Chemical Neuroanatomy</i> , 2011, 41, 137-147.	2.1	16
60	The distribution of an AVT V1a receptor in the brain of a sex changing fish, <i>Epinephelus adscensionis</i> . <i>Journal of Chemical Neuroanatomy</i> , 2011, 42, 72-88.	2.1	57
61	Neuronal Nitric Oxide Synthase as a Substrate for the Evolution of Pseudosexual Behaviour in a Parthenogenetic Whiptail Lizard. <i>Journal of Neuroendocrinology</i> , 2011, 23, 244-253.	2.6	12
62	Genes, hormones, and circuits: An integrative approach to study the evolution of social behavior. <i>Frontiers in Neuroendocrinology</i> , 2011, 32, 320-335.	5.2	205
63	Molecular characterization and brain distribution of the progesterone receptor in whiptail lizards. <i>General and Comparative Endocrinology</i> , 2011, 171, 64-74.	1.8	10
64	Characterization of the dopaminergic system in the brain of an African cichlid fish, <i>Astatotilapia burtoni</i> . <i>Journal of Comparative Neurology</i> , 2011, 519, 75-92.	1.6	74
65	The Vertebrate mesolimbic reward system and social behavior network: A comparative synthesis. <i>Journal of Comparative Neurology</i> , 2011, 519, 3599-3639.	1.6	820
66	Characterization of the Dopamine System in the Brain of the TÃngara Frog, <i>Physalaemus pustulosus</i> . <i>Brain, Behavior and Evolution</i> , 2010, 76, 211-225.	1.7	19