

Robert Cox

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

3,181
citations

186265
28
h-index

161849
54
g-index

58
all docs

58
docs citations

58
times ranked

2617
citing authors

#	ARTICLE	IF	CITATIONS
1	Reproductive trade-offs and phenotypic selection change with body condition, but not with predation regime, across island lizard populations. <i>Journal of Evolutionary Biology</i> , 2022, 35, 365-378.	1.7	1
2	Propagule size and sex ratio influence colonisation dynamics after introduction of a non-native lizard. <i>Journal of Animal Ecology</i> , 2022, , .	2.8	1
3	Ontogenetic Change in Male Expression of Testosterone-Responsive Genes Contributes to the Emergence of Sex-Biased Gene Expression in <i>Anolis sagrei</i> . <i>Frontiers in Physiology</i> , 2022, 13, .	2.8	1
4	Diverse aging rates in ectothermic tetrapods provide insights for the evolution of aging and longevity. <i>Science</i> , 2022, 376, 1459-1466.	12.6	34
5	Evolution of hormone-phenotype couplings and hormone-genome interactions. <i>Hormones and Behavior</i> , 2022, 144, 105216.	2.1	5
6	The evolution of monogamy is associated with reversals from male to female bias in the survival cost of parasitism. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210421.	2.6	2
7	Hormonal pleiotropy structures genetic covariance. <i>Evolution Letters</i> , 2021, 5, 397-407.	3.3	16
8	Sex-Specific Population Differences in Resting Metabolism Are Associated with Intraspecific Variation in Sexual Size Dimorphism of Brown Anoles. <i>Physiological and Biochemical Zoology</i> , 2021, 94, 205-214.	1.5	2
9	Selection on Sperm Count, but Not on Sperm Morphology or Velocity, in a Wild Population of <i>Anolis</i> Lizards. <i>Cells</i> , 2021, 10, 2369.	4.1	7
10	A chromosome-level genome assembly for the eastern fence lizard (<i>Sceloporus undulatus</i>), a reptile model for physiological and evolutionary ecology. <i>GigaScience</i> , 2021, 10, .	6.4	3
11	Do hormone manipulations reduce fitness? A meta-analytic test of the Optimal Endocrine Phenotype Hypothesis. <i>Molecular and Cellular Endocrinology</i> , 2020, 500, 110640.	3.2	28
12	Sex steroids as mediators of phenotypic integration, genetic correlations, and evolutionary transitions. <i>Molecular and Cellular Endocrinology</i> , 2020, 502, 110668.	3.2	30
13	Sexual dimorphism explains residual variance around the survival-reproduction tradeoff in lizards: Implications for sexual conflict over life-history evolution*. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 2324-2332.	2.3	7
14	Sex-Specific Selection and the Evolution of Between-Sex Genetic Covariance. <i>Journal of Heredity</i> , 2019, 110, 422-432.	2.4	25
15	Sperm morphology and count vary with fine-scale changes in local density in a wild lizard population. <i>Oecologia</i> , 2019, 191, 555-564.	2.0	12
16	Rapid evolution of testis size relative to sperm morphology suggests that post-copulatory selection targets sperm number in <i>Anolis</i> lizards. <i>Journal of Evolutionary Biology</i> , 2019, 32, 302-309.	1.7	11
17	Thermal physiology and thermoregulatory behaviour exhibit low heritability despite genetic divergence between lizard populations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180697.	2.6	47
18	Hormonally Mediated Increases in Sex-Biased Gene Expression Accompany the Breakdown of Between-Sex Genetic Correlations in a Sexually Dimorphic Lizard. <i>American Naturalist</i> , 2017, 189, 315-332.	2.1	54

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19	Consistent Differences in Sperm Morphology and Testis Size between Native and Introduced Populations of Three <i>Anolis</i> Lizard Species. <i>Journal of Herpetology</i> , 2017, 51, 532-537.	0.5	9
20	Female anoles display less but attack more quickly than males in response to territorial intrusions. <i>Behavioral Ecology</i> , 2017, 28, 1323-1328.	2.2	20
21	Multivariate genetic architecture of the <i>Anolis</i> dewlap reveals both shared and sex-specific features of a sexually dimorphic ornament. <i>Journal of Evolutionary Biology</i> , 2017, 30, 1262-1275.	1.7	22
22	Evolutionary Endocrinology: Hormones as Mediators of Evolutionary Phenomena: An Introduction to the Symposium. <i>Integrative and Comparative Biology</i> , 2016, 56, 121-125.	2.0	19
23	Does adaptive radiation of a host lineage promote ecological diversity of its bacterial communities? A test using gut microbiota of <i>Anolis</i> lizards. <i>Molecular Ecology</i> , 2016, 25, 4793-4804.	3.9	63
24	Correlated evolution between targets of pre- and postcopulatory sexual selection across squamate reptiles. <i>Ecology and Evolution</i> , 2016, 6, 6452-6459.	1.9	27
25	Hormones as Mediators of Phenotypic and Genetic Integration: an Evolutionary Genetics Approach. <i>Integrative and Comparative Biology</i> , 2016, 56, 126-137.	2.0	62
26	Both sexes suffer increased parasitism and reduced energy storage as costs of reproduction in the brown anole, <i>Anolis sagrei</i> . <i>Biological Journal of the Linnean Society</i> , 2016, 117, 516-527.	1.6	20
27	The metabolic cost of mounting an immune response in male brown anoles (<i>Anolis sagrei</i>). <i>Journal of Experimental Zoology</i> , 2015, 323, 689-695.	1.2	14
28	Female anoles retain responsiveness to testosterone despite the evolution of androgen-mediated sexual dimorphism. <i>Functional Ecology</i> , 2015, 29, 758-767.	3.6	39
29	Diet affects ejaculate traits in a lizard with condition-dependent fertilization success. <i>Behavioral Ecology</i> , 2015, 26, 1502-1511.	2.2	48
30	Survival of the fattest? Indices of body condition do not predict viability in the brown anole (<i>Anolis sagrei</i>). <i>Evolutionary Ecology</i> , 2015, 29, 1079-1088.	3.6	29
31	Experimentally decoupling reproductive investment from energy storage to test the functional basis of a life-history trade-off. <i>Journal of Animal Ecology</i> , 2014, 83, 888-898.	2.8	20
32	Natural selection on thermal performance in a novel thermal environment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14165-14169.	7.1	154
33	Progeny sex ratios in a short-lived lizard: seasonal invariance despite sex-specific effects of hatching date on fitness. <i>Evolutionary Ecology</i> , 2013, 27, 205-220.	1.2	3
34	An experimental test of the role of predators in the maintenance of a genetically based polymorphism. <i>Journal of Evolutionary Biology</i> , 2012, 25, 2091-2101.	1.7	14
35	An experimental test for alternative reproductive strategies underlying a female-limited polymorphism. <i>Journal of Evolutionary Biology</i> , 2011, 24, 343-353.	1.7	27
36	PATERNAL CONDITION DRIVES PROGENY SEX-RATIO BIAS IN A LIZARD THAT LACKS PARENTAL CARE. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 220-230.	2.3	34

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37	GEOGRAPHIC VARIATION, FREQUENCY-DEPENDENT SELECTION, AND THE MAINTENANCE OF A FEMALE-LIMITED POLYMORPHISM. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 116-125.	2.3	44
38	SEX-SPECIFIC SELECTION AND INTRASPECIFIC VARIATION IN SEXUAL SIZE DIMORPHISM. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 798-809.	2.3	106
39	FITNESS CONSEQUENCES OF SEX-SPECIFIC SELECTION. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 1671-1682.	2.3	84
40	Experimental evidence for physiological costs underlying the trade-off between reproduction and survival. <i>Functional Ecology</i> , 2010, 24, 1262-1269.	3.6	132
41	Experimentally assessing the relative importance of predation and competition as agents of selection. <i>Nature</i> , 2010, 465, 613-616.	27.8	107
42	Invasive Predators Deplete Genetic Diversity of Island Lizards. <i>PLoS ONE</i> , 2010, 5, e12061.	2.5	18
43	Cryptic Sex-Ratio Bias Provides Indirect Genetic Benefits Despite Sexual Conflict. <i>Science</i> , 2010, 328, 92-94.	12.6	67
44	Hormones, performance and fitness: Natural history and endocrine experiments on a lizard (<i>Sceloporus undulatus</i>). <i>Integrative and Comparative Biology</i> , 2009, 49, 393-407.	2.0	75
45	Manipulating Testosterone to Assess Links between Behavior, Morphology, and Performance in the Brown Anole <i>Anolis sagrei</i> . <i>Physiological and Biochemical Zoology</i> , 2009, 82, 686-698.	1.5	49
46	SEVERE COSTS OF REPRODUCTION PERSIST IN <i>ANOLIS</i> LIZARDS DESPITE THE EVOLUTION OF A SINGLE-EGG CLUTCH. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 64, 1321-30.	2.3	71
47	Testosterone, growth and the evolution of sexual size dimorphism. <i>Journal of Evolutionary Biology</i> , 2009, 22, 1586-1598.	1.7	123
48	Sexually Antagonistic Selection, Sexual Dimorphism, and the Resolution of Intralocus Sexual Conflict. <i>American Naturalist</i> , 2009, 173, 176-187.	2.1	389
49	Testosterone stimulates the expression of a social color signal in Yarrow's Spiny Lizard, <i>Sceloporus jarrovii</i> . <i>Journal of Experimental Zoology</i> , 2008, 309A, 505-514.	1.2	57
50	Effects of food restriction on growth, energy allocation, and sexual size dimorphism in Yarrow's Spiny Lizard, <i>Sceloporus jarrovii</i> . <i>Canadian Journal of Zoology</i> , 2008, 86, 268-276.	1.0	27
51	Proximate developmental mediators of sexual dimorphism in size: case studies from squamate reptiles. <i>Integrative and Comparative Biology</i> , 2007, 47, 258-271.	2.0	41
52	Increased mite parasitism as a cost of testosterone in male striped plateau lizards <i>Sceloporus virgatus</i> . <i>Functional Ecology</i> , 2007, 21, 327-334.	3.6	119
53	A test of the reproductive cost hypothesis for sexual size dimorphism in Yarrow's spiny lizard <i>Sceloporus jarrovii</i> . <i>Journal of Animal Ecology</i> , 2006, 75, 1361-1369.	2.8	73
54	Environmental sensitivity of sexual size dimorphism: laboratory common garden removes effects of sex and castration on lizard growth. <i>Functional Ecology</i> , 2006, 20, 880-888.	3.6	63

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55	Testosterone has opposite effects on male growth in lizards(Sceloporus spp.) with opposite patterns of sexual size dimorphism. <i>Journal of Experimental Biology</i> , 2005, 208, 4679-4687.	1.7	117
56	Testosterone Inhibits Growth in Juvenile Male Eastern Fence Lizards (<i>Sceloporus undulatus</i>): Implications for Energy Allocation and Sexual Size Dimorphism. <i>Physiological and Biochemical Zoology</i> , 2005, 78, 531-545.	1.5	103
57	Testosterone Regulates Sexually Dimorphic Coloration in the Eastern Fence Lizard, <i>Sceloporus undulatus</i> . <i>Copeia</i> , 2005, 2005, 597-608.	1.3	119
58	A COMPARATIVE TEST OF ADAPTIVE HYPOTHESES FOR SEXUAL SIZE DIMORPHISM IN LIZARDS. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 1653-1669.	2.3	287