

Robert Cox

List of Publications by Year in descending order

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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	Sexually Antagonistic Selection, Sexual Dimorphism, and the Resolution of Intralocus Sexual Conflict. <i>American Naturalist</i> , 2009, 173, 176-187.	2.1	389
2	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
3	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
4	Experimental evidence for physiological costs underlying the trade-off between reproduction and survival. <i>Functional Ecology</i> , 2010, 24, 1262-1269.	3.6	132
5	Testosterone, growth and the evolution of sexual size dimorphism. <i>Journal of Evolutionary Biology</i> , 2009, 22, 1586-1598.	1.7	123
6	Testosterone Regulates Sexually Dimorphic Coloration in the Eastern Fence Lizard, <i>Sceloporus undulatus</i> . <i>Copeia</i> , 2005, 2005, 597-608.	1.3	119
7	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
8	Testosterone has opposite effects on male growth in lizards (<i>Sceloporus</i> spp.) with opposite patterns of sexual size dimorphism. <i>Journal of Experimental Biology</i> , 2005, 208, 4679-4687.	1.7	117
9	Experimentally assessing the relative importance of predation and competition as agents of selection. <i>Nature</i> , 2010, 465, 613-616.	27.8	107
10	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
11	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
12	FITNESS CONSEQUENCES OF SEX-SPECIFIC SELECTION. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 1671-1682.	2.3	84
13	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
14	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
15	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
16	Cryptic Sex-Ratio Bias Provides Indirect Genetic Benefits Despite Sexual Conflict. <i>Science</i> , 2010, 328, 92-94.	12.6	67
17	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
18	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

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19	Hormones as Mediators of Phenotypic and Genetic Integration: an Evolutionary Genetics Approach. Integrative and Comparative Biology, 2016, 56, 126-137.	2.0	62
20	Testosterone stimulates the expression of a social color signal in Yarrow's Spiny Lizard, <i>Sceloporus jarrovi</i> . Journal of Experimental Zoology, 2008, 309A, 505-514.	1.2	57
21	Hormonally Mediated Increases in Sex-Biased Gene Expression Accompany the Breakdown of Between-Sex Genetic Correlations in a Sexually Dimorphic Lizard. American Naturalist, 2017, 189, 315-332.	2.1	54
22	Manipulating Testosterone to Assess Links between Behavior, Morphology, and Performance in the Brown Anole <i>Anolis sagrei</i> . Physiological and Biochemical Zoology, 2009, 82, 686-698.	1.5	49
23	Diet affects ejaculate traits in a lizard with condition-dependent fertilization success. Behavioral Ecology, 2015, 26, 1502-1511.	2.2	48
24	Thermal physiology and thermoregulatory behaviour exhibit low heritability despite genetic divergence between lizard populations. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180697.	2.6	47
25	GEOGRAPHIC VARIATION, FREQUENCY-DEPENDENT SELECTION, AND THE MAINTENANCE OF A FEMALE-LIMITED POLYMORPHISM. Evolution; International Journal of Organic Evolution, 2010, 64, 116-125.	2.3	44
26	Proximate developmental mediators of sexual dimorphism in size: case studies from squamate reptiles. Integrative and Comparative Biology, 2007, 47, 258-271.	2.0	41
27	Female anoles retain responsiveness to testosterone despite the evolution of androgen-mediated sexual dimorphism. Functional Ecology, 2015, 29, 758-767.	3.6	39
28	PATERNAL CONDITION DRIVES PROGENY SEX-RATIO BIAS IN A LIZARD THAT LACKS PARENTAL CARE. Evolution; International Journal of Organic Evolution, 2011, 65, 220-230.	2.3	34
29	Diverse aging rates in ectothermic tetrapods provide insights for the evolution of aging and longevity. Science, 2022, 376, 1459-1466.	12.6	34
30	Sex steroids as mediators of phenotypic integration, genetic correlations, and evolutionary transitions. Molecular and Cellular Endocrinology, 2020, 502, 110668.	3.2	30
31	Survival of the fattest? Indices of body condition do not predict viability in the brown anole (<i>A. nolis</i>) Tj ETQq1 1 0.784314 rgBT /Over 3.6 29	3.6	29
32	Do hormone manipulations reduce fitness? A meta-analytic test of the Optimal Endocrine Phenotype Hypothesis. Molecular and Cellular Endocrinology, 2020, 500, 110640.	3.2	28
33	Effects of food restriction on growth, energy allocation, and sexual size dimorphism in Yarrow's Spiny Lizard, <i>Sceloporus jarrovi</i> . Canadian Journal of Zoology, 2008, 86, 268-276.	1.0	27
34	An experimental test for alternative reproductive strategies underlying a female-limited polymorphism. Journal of Evolutionary Biology, 2011, 24, 343-353.	1.7	27
35	Correlated evolution between targets of pre- and postcopulatory sexual selection across squamate reptiles. Ecology and Evolution, 2016, 6, 6452-6459.	1.9	27
36	Sex-Specific Selection and the Evolution of Between-Sex Genetic Covariance. Journal of Heredity, 2019, 110, 422-432.	2.4	25

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37	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
38	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
39	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
40	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
41	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
42	Invasive Predators Deplete Genetic Diversity of Island Lizards. <i>PLoS ONE</i> , 2010, 5, e12061.	2.5	18
43	Hormonal pleiotropy structures genetic covariance. <i>Evolution Letters</i> , 2021, 5, 397-407.	3.3	16
44	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
45	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
46	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
47	Rapid evolution of testis size relative to sperm morphology suggests that postcopulatory selection targets sperm number in <i>Anolis</i> lizards. <i>Journal of Evolutionary Biology</i> , 2019, 32, 302-309.	1.7	11
48	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
49	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
50	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
51	Evolution of hormone-phenotype couplings and hormone-genome interactions. <i>Hormones and Behavior</i> , 2022, 144, 105216.	2.1	5
52	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
53	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
54	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

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55	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
56	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
57	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
58	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