

Evolutionary trade-off between weapons and testes

Proceedings of the National Academy of Sciences of the United States of America
103, 16346-16351

DOI: [10.1073/pnas.0603474103](https://doi.org/10.1073/pnas.0603474103)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Sperm competition, alternative mating tactics and context-dependent fertilization success in the burying beetle, <i>Nicrophorus vespilloides</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 1309-1315.	1.2	28
2	Selection at the Y Chromosome of the African Buffalo Driven by Rainfall. <i>PLoS ONE</i> , 2007, 2, e1086.	1.1	13
3	No evidence for condition-dependent expression of male genitalia in the dung beetle <i>Onthophagus taurus</i> . <i>Journal of Evolutionary Biology</i> , 2007, 20, 1322-1332.	0.8	35
4	SPERM COMPETITION GAMES BETWEEN SNEAKS AND GUARDS: A COMPARATIVE ANALYSIS USING DIMORPHIC MALE BEETLES. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 2684-2692.	1.1	95
5	Effects of pitfall trap preservatives on specimen condition in carabid beetles. <i>Entomologia Experimentalis Et Applicata</i> , 2007, 125, 321-324.	0.7	17
6	Pupal remodeling and the evolution and development of alternative male morphologies in horned beetles. <i>BMC Evolutionary Biology</i> , 2007, 7, 151.	3.2	23
7	Mate choice for genetic quality when environments vary: suggestions for empirical progress. <i>Genetica</i> , 2008, 134, 69-78.	0.5	79
8	PLASTICITY IN REPRODUCTIVE PHENOTYPES REVEALS STATUS-SPECIFIC CORRELATIONS BETWEEN BEHAVIORAL, MORPHOLOGICAL, AND PHYSIOLOGICAL SEXUAL TRAITS. <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 1149-1161.	1.1	47
9	RAPID ANTAGONISTIC COEVOLUTION BETWEEN PRIMARY AND SECONDARY SEXUAL CHARACTERS IN HORNED BEETLES. <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 2423-2428.	1.1	52
10	EVOLUTIONARY REDUCTION IN TESTES SIZE AND COMPETITIVE FERTILIZATION SUCCESS IN RESPONSE TO THE EXPERIMENTAL REMOVAL OF SEXUAL SELECTION IN DUNG BEETLES. <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 2580-2591.	1.1	134
11	Rapid shape divergences between natural and introduced populations of a horned beetle partly mirror divergences between species. <i>Evolution & Development</i> , 2008, 10, 166-175.	1.1	28
12	Parental investment, sexual selection and sex ratios. <i>Journal of Evolutionary Biology</i> , 2008, 21, 919-948.	0.8	756
13	No fecundity cost of female secondary sexual trait expression in the horned beetle <i>Onthophagus sagittarius</i> . <i>Journal of Evolutionary Biology</i> , 2008, 21, 1227-1235.	0.8	36
14	Some like it hot: Body and weapon size affect thermoregulation in horned beetles. <i>Journal of Insect Physiology</i> , 2008, 54, 604-611.	0.9	26
15	Sperm Allocation Strategies and Female Resistance: A Unifying Perspective. <i>American Naturalist</i> , 2008, 172, 25-33.	1.0	36
16	Crowding, sex ratio and horn evolution in a South African beetle community. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 315-321.	1.2	50
17	Dusk light environment optimizes visual perception of conspecifics in a crepuscular horned beetle. <i>Behavioral Ecology</i> , 2008, 19, 627-634.	1.0	38
18	Sperm investment in relation to weapon size in a male trimorphic insect?. <i>Behavioral Ecology</i> , 2008, 19, 1018-1024.	1.0	38

#	ARTICLE	IF	CITATIONS
19	Fighting, dispersing, and sneaking: body size dependent mating tactics by male <i>Librodor japonicus</i> beetles. <i>Ecological Entomology</i> , 2008, 33, 269-275.	1.1	19
20	Integrating mechanisms and function: prospects for future research. , 2008, , 471-489.		13
21	Cooperative Breeding in Groups of Synchronously Mating Females and Evolution of Large Testes to Avoid Sperm Depletion in African Striped Mice. <i>Biology of Reproduction</i> , 2009, 81, 111-117.	1.2	22
22	Adaptive plasticity of mammalian sperm production in response to social experience. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 745-751.	1.2	80
23	Secondary sexual trait size reveals competitive fertilization success in <i>Drosophila bipectinata</i> Duda. <i>Behavioral Ecology</i> , 2009, 20, 753-760.	1.0	29
24	Differential recruitment of limb patterning genes during development and diversification of beetle horns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8992-8997.	3.3	173
25	Evolutionary Response to Sexual Selection in Male Genital Morphology. <i>Current Biology</i> , 2009, 19, 1442-1446.	1.8	104
26	Genetic correlations between weapons, body shape and fighting behaviour in the horned beetle <i>Gnatocerus cornutus</i> . <i>Animal Behaviour</i> , 2009, 77, 1057-1065.	0.8	63
27	THE COST OF RELIABLE SIGNALING: EXPERIMENTAL EVIDENCE FOR PREDICTABLE VARIATION AMONG MALES IN A COST-BENEFIT TRADE-OFF BETWEEN SEXUALLY SELECTED TRAITS. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 2363-2371.	1.1	24
28	Selection on defensive traits in a sterile caste " caste evolution: a mechanism to overcome life history trade offs?. <i>Evolution & Development</i> , 2009, 11, 80-87.	1.1	10
29	Chapter 6 The Origin and Diversification of Complex Traits Through Micro and Macroevolution of Development. <i>Current Topics in Developmental Biology</i> , 2009, 86, 135-162.	1.0	10
30	Sperm morphological diversity. , 2009, , 69-149.		244
31	Why Do Male House Mice Have Such Small Testes?. <i>Zoological Science</i> , 2009, 26, 17-23.	0.3	13
32	Eyespan reflects reproductive quality in wild stalk-eyed flies. <i>Evolutionary Ecology</i> , 2010, 24, 83-95.	0.5	46
33	Plasticity of size and allometry in multiple sexually selected traits in an armed beetle <i>Gnatocerus cornutus</i> . <i>Evolutionary Ecology</i> , 2010, 24, 1339-1351.	0.5	32
34	Mating system drives negative associations between morphological features in Schistosomatidae. <i>BMC Evolutionary Biology</i> , 2010, 10, 245.	3.2	3
35	Gene discovery in the horned beetle <i>Onthophagus taurus</i> . <i>BMC Genomics</i> , 2010, 11, 703.	1.2	40
36	Plumage coloration, ejaculate quality and reproductive phenotype in the red-backed fairy-wren. <i>Animal Behaviour</i> , 2010, 79, 1239-1246.	0.8	55

#	ARTICLE	IF	CITATIONS
37	Sperm competition and ejaculate economics. <i>Biological Reviews</i> , 2010, 85, 897-934.	4.7	488
38	Ejaculatory strategies associated with experience of losing. <i>Biology Letters</i> , 2010, 6, 593-596.	1.0	20
39	Dispersal and ejaculatory strategies associated with exaggeration of weapon in an armed beetle. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 1705-1710.	1.2	61
40	Quantitative genetic evidence that males trade attractiveness for ejaculate quality in guppies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 3195-3201.	1.2	115
41	Phenotypic plasticity and diversity in insects. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 593-603.	1.8	146
42	Mate choice in the dung beetle <i>Onthophagus sagittarius</i> : are female horns ornaments?. <i>Behavioral Ecology</i> , 2010, 21, 424-430.	1.0	38
43	Trophic dimorphism in alternative male reproductive morphs of the acarid mite <i>Sancassania berleseii</i> . <i>Behavioral Ecology</i> , 2010, 21, 270-274.	1.0	11
44	Sperm competition between alternative reproductive tactics of the Atlantic salmon in vitro. <i>Aquaculture</i> , 2010, 302, 265-269.	1.7	24
45	Sperm competition and the evolution of sperm design in mammals. <i>BMC Evolutionary Biology</i> , 2011, 11, 12.	3.2	164
47	Why mammalian lineages respond differently to sexual selection: metabolic rate constrains the evolution of sperm size. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 3135-3141.	1.2	40
48	Immature performance linked with exaggeration of a sexually selected trait in an armed beetle. <i>Journal of Evolutionary Biology</i> , 2011, 24, 1737-1743.	0.8	13
49	DEVELOPMENTAL DECOUPLING OF ALTERNATIVE PHENOTYPES: INSIGHTS FROM THE TRANSCRIPTOMES OF HORN-POLYPHENIC BEETLES. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 231-245.	1.1	78
50	Polyphenism in Insects. <i>Current Biology</i> , 2011, 21, R738-R749.	1.8	320
51	Sex starved: do resource-limited males ensure fertilization success at the expense of precopulatory mating success?. <i>Animal Behaviour</i> , 2011, 81, 579-583.	0.8	22
52	The role of developmental plasticity in evolutionary innovation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 2705-2713.	1.2	432
53	Premating behavioral tactics of Columbian ground squirrels. <i>Journal of Mammalogy</i> , 2011, 92, 861-870.	0.6	5
54	Sex ratio bias in the dung beetle <i>Onthophagus taurus</i> : adaptive allocation or sex-specific offspring mortality?. <i>Evolutionary Ecology</i> , 2011, 25, 363-372.	0.5	20
55	Larger testes are associated with a higher level of polyandry, but a smaller ejaculate volume, across bushcricket species (Tettigoniidae). <i>Biology Letters</i> , 2011, 7, 261-264.	1.0	33

#	ARTICLE	IF	CITATIONS
56	Male attractiveness is negatively genetically associated with investment in copulations. Behavioral Ecology, 2011, 22, 345-349.	1.0	41
57	Verhaltensbiologie. Springer-Lehrbuch, 2012, , .	0.1	11
58	Determinants of reproductive success across sequential episodes of sexual selection in a firefly. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 3201-3208.	1.2	27
59	Epigenetic Mechanisms Underlying Developmental Plasticity in Horned Beetles. Genetics Research International, 2012, 2012, 1-14.	2.0	14
60	Reproductive ecology in loliginid squids. Nippon Suisan Gakkaishi, 2012, 78, 665-668.	0.0	0
61	Differential investment in pre- vs. post-copulatory sexual selection reinforces a cross-continental reversal of sexual size dimorphism in <i>Sepsis punctum</i> (Diptera: Tj ETQq1 1 0.784314 rgBT / Overlock	1.1	23
62	Juvenile hormone mediates developmental integration between exaggerated traits and supportive traits in the horned flour beetle <i>Gnatocerus cornutus</i> . Evolution & Development, 2012, 14, 363-371.	1.1	23
63	Phenotypic plasticity in opsin expression in a butterfly compound eye complements sex role reversal. BMC Evolutionary Biology, 2012, 12, 232.	3.2	46
64	Impacts of diet quality on life-history and reproductive traits in male and female armed beetle, <i>Gnatocerus cornutus</i> . Ecological Entomology, 2012, 37, 463-470.	1.1	25
65	Trade-Offs and Upper Limits to Signal Performance during Close-Range Vocal Competition in Gray Tree Frogs <i>Hyla versicolor</i> . American Naturalist, 2012, 180, 425-437.	1.0	53
66	Insulin Signaling as a Mechanism Underlying Developmental Plasticity: The Role of FOXO in a Nutritional Polyphenism. PLoS ONE, 2012, 7, e34857.	1.1	57
67	Sperm Traits Negatively Covary with Size and Asymmetry of a Secondary Sexual Trait in a Freshwater Crayfish. PLoS ONE, 2012, 7, e43771.	1.1	21
68	MALE CONTEST COMPETITION AND THE COEVOLUTION OF WEAPONRY AND TESTES IN PINNIPEDS. Evolution; International Journal of Organic Evolution, 2012, 66, 3595-3604.	1.1	98
69	Tradeoffs limit the evolution of male traits that are attractive to females. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2899-2906.	1.2	31
70	Estimating genetic benefits of polyandry from experimental studies: a meta-analysis. Biological Reviews, 2012, 87, 1-33.	4.7	229
71	The Evolution of Large Testes: Sperm Competition or Male Mating Rate?. Ethology, 2012, 118, 107-117.	0.5	57
72	The genetics of primary and secondary sexual character trade-offs in a horned beetle. Journal of Evolutionary Biology, 2012, 25, 1711-1717.	0.8	12
73	Trade-off between horns and other functional traits in two Onthophagus species (Scarabaeidae.) Tj ETQq1 1 0.784314 rgBT / Overlock	0.4	11

#	ARTICLE	IF	CITATIONS
74	Alternate Reproductive Tactics in an African Dung Beetle, <i>Circellium bacchus</i> (Scarabeidae). <i>Journal of Insect Behavior</i> , 2013, 26, 440-452.	0.4	5
75	A general mechanism for conditional expression of exaggerated sexually selected traits. <i>BioEssays</i> , 2013, 35, 889-899.	1.2	75
76	Sizing up the Competition: Factors Modulating Male Display Behavior During Mate Competition. <i>Ethology</i> , 2013, 119, 948-959.	0.5	7
77	Investment choices in post-embryonic development: Quantifying interactions among growth, regeneration, and asexual reproduction in the annelid <i>Pristina leidy</i> . <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2013, 320, 471-488.	0.6	37
78	Expression of pre- and postcopulatory traits under different dietary conditions in guppies. <i>Behavioral Ecology</i> , 2013, 24, 740-749.	1.0	60
79	Inter- and intrasexual genetic correlations of exaggerated traits and locomotor activity. <i>Journal of Evolutionary Biology</i> , 2013, 26, 1979-1987.	0.8	15
80	Evaluating the costs of a sexually selected weapon: big horns at a small price. <i>Animal Behaviour</i> , 2013, 86, 977-985.	0.8	59
81	SPERM COMPETITION GAMES: A GENERAL MODEL FOR PRECOPULATORY MALE-MALE COMPETITION. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 95-109.	1.1	193
82	Quantitative genetics of sexual display, ejaculate quality and size in a lekking species. <i>Journal of Animal Ecology</i> , 2013, 82, 399-407.	1.3	19
83	Song performance and elaboration as potential indicators of male quality in Java sparrows. <i>Behavioural Processes</i> , 2013, 99, 138-144.	0.5	32
84	Polyandry as a mediator of sexual selection before and after mating. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120042.	1.8	193
85	Do male secondary sexual characters signal ejaculate quality? A meta-analysis. <i>Biological Reviews</i> , 2013, 88, 669-682.	4.7	91
86	Eat to reproduce: a key role for the insulin signaling pathway in adult insects. <i>Frontiers in Physiology</i> , 2013, 4, 202.	1.3	137
87	<i>Behavioral Systems.</i> , 2013, , 255-304.		0
88	Exposure to sperm competition risk improves survival of virgin males. <i>Biology Letters</i> , 2013, 9, 20121188.	1.0	9
89	Pattern of inbreeding depression, condition dependence, and additive genetic variance in Trinidadian guppy ejaculate traits. <i>Ecology and Evolution</i> , 2013, 3, 4940-4953.	0.8	49
90	Condition-dependent expression of pre- and postcopulatory sexual traits in guppies. <i>Ecology and Evolution</i> , 2013, 3, 2197-2213.	0.8	61
91	Exaggerated Trait Allometry, Compensation and Trade-Offs in the New Zealand Giraffe Weevil (<i>Lasioryhynchus barbicornis</i>). <i>PLoS ONE</i> , 2013, 8, e82467.	1.1	55

#	ARTICLE	IF	CITATIONS
92	Genetic Control of Color Polymorphism in the Stag Beetle <i>Cyclommatus metallifer</i> Boisduval (Coleoptera: Lucanidae). <i>The Coleopterists Bulletin</i> , 2014, 68, 209.	0.1	3
93	Effect of an immune challenge on the functional performance of male weaponry. <i>Behavioural Processes</i> , 2014, 108, 197-203.	0.5	13
94	Do pre- and post-copulatory sexually selected traits covary in large herbivores?. <i>BMC Evolutionary Biology</i> , 2014, 14, 79.	3.2	18
95	Evolutionary and Ecological Genomics of Developmental Plasticity: Novel Approaches and First Insights From the Study of Horned Beetles. <i>Advances in Experimental Medicine and Biology</i> , 2014, 781, 127-148.	0.8	4
96	Female monopolization mediates the relationship between pre- and postcopulatory sexual traits. <i>Nature Communications</i> , 2014, 5, 3184.	5.8	120
97	Hormones and Phenotypic Plasticity in an Ecological Context: Linking Physiological Mechanisms to Evolutionary Processes. <i>Integrative and Comparative Biology</i> , 2014, 54, 850-863.	0.9	47
98	Sexual Selection and Dynamics of Jaw Muscle in Tupinambis Lizards. <i>Evolutionary Biology</i> , 2014, 41, 192-200.	0.5	31
99	Resource allocation during ontogeny is influenced by genetic, developmental and ecological factors in the horned beetle, <i>Onthophagus taurus</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141625.	1.2	8
100	Sexual selection on female ornaments in the sex-reversed Gulf pipefish (<i>Syngnathus scovelli</i>). <i>Journal of Evolutionary Biology</i> , 2014, 27, 2457-2467.	0.8	33
101	Investment in sensory structures, testis size, and wing coloration in males of a diurnal moth species: trade-offs or correlated growth?. <i>Ecology and Evolution</i> , 2015, 5, 1601-1608.	0.8	6
102	A trade-off between precopulatory and postcopulatory trait investment in male cetaceans. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 1560-1572.	1.1	73
103	Different environments lead to a reversal in the expression of weapons and testes in the heliconia bug, <i>Leptoscelis tricolor</i> (Hemiptera: Coreidae). <i>Biological Journal of the Linnean Society</i> , 2015, 115, 802-809.	0.7	21
104	Building a Beetle: How Larval Environment Leads to Adult Performance in a Horned Beetle. <i>PLoS ONE</i> , 2015, 10, e0134399.	1.1	16
105	Allometry among Structures of Proboscises of <i>Vanessa cardui</i> L. (Nymphalidae) and Its Relationship to Fluid Uptake. <i>Journal of the Lepidopterists' Society</i> , 2015, 69, 183-191.	0.0	8
106	The complexity of male reproductive success: effects of nutrition, morphology, and experience. <i>Behavioral Ecology</i> , 2015, 26, 617-624.	1.0	24
107	A trade-off between pre- and post-copulatory sexual selection in a bean beetle. <i>Behavioral Ecology and Sociobiology</i> , 2015, 69, 1597-1602.	0.6	7
108	Exploring simultaneous allocation to mating effort, sperm production, and body growth in male guppies. <i>Behavioral Ecology</i> , 2015, 26, 1203-1211.	1.0	23
109	Is diversification in male reproductive traits driven by evolutionary trade-offs between weapons and nuptial gifts?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150247.	1.2	32

#	ARTICLE	IF	CITATIONS
110	Variation in the allometry of exaggerated rhinoceros beetle horns. <i>Animal Behaviour</i> , 2015, 109, 133-140.	0.8	66
111	Larval food composition affects courtship song and sperm expenditure in a lekking moth. <i>Ecological Entomology</i> , 2015, 40, 34-41.	1.1	17
112	Cascading effects of host plant inbreeding on the larval growth, muscle molecular composition, and flight capacity of an adult herbivorous insect. <i>Functional Ecology</i> , 2015, 29, 328-337.	1.7	23
113	Nitric Oxide Synthase Regulates Growth Coordination During <i>Drosophila melanogaster</i> Imaginal Disc Regeneration. <i>Genetics</i> , 2015, 200, 1219-1228.	1.2	53
114	How acoustic signals scale with individual body size: common trends across diverse taxa. <i>Behavioral Ecology</i> , 2015, 26, 168-177.	1.0	50
115	Sexual Conflict and Sperm Competition. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a017707.	2.3	40
116	Competitive males have higher quality sperm in a monogamous social bee. <i>BMC Evolutionary Biology</i> , 2016, 16, 195.	3.2	13
117	Sperm competition and the coevolution of pre- and postcopulatory traits: Weapons evolve faster than testes among onthophagine dung beetles. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 998-1008.	1.1	17
118	Genetic variation but weak genetic covariation between pre- and postcopulatory episodes of sexual selection in <i>Drosophila melanogaster</i> . <i>Journal of Evolutionary Biology</i> , 2016, 29, 1535-1552.	0.8	11
119	Nutrient Stress During Ontogeny Alters Patterns of Resource Allocation in two Species of Horned Beetles. <i>Journal of Experimental Zoology</i> , 2016, 325, 481-490.	1.2	5
120	Resource quality affects weapon and testis size and the ability of these traits to respond to selection in the leaf-footed cactus bug, <i>Narnia femorata</i> . <i>Ecology and Evolution</i> , 2016, 6, 2098-2108.	0.8	26
121	Is Juvenile Hormone a potential mechanism that underlay the 'branched Y-model'. <i>General and Comparative Endocrinology</i> , 2016, 230-231, 170-176.	0.8	9
122	Macronutrient balance mediates the growth of sexually selected weapons but not genitalia in male broad-horned beetles. <i>Functional Ecology</i> , 2016, 30, 769-779.	1.7	30
123	How sexual selection can drive the evolution of costly sperm ornamentation. <i>Nature</i> , 2016, 533, 535-538.	13.7	150
124	The evolution of expenditure on testes. <i>Journal of Zoology</i> , 2016, 298, 3-19.	0.8	65
125	Modification of sperm quality after sexual abstinence in Seba's short-tailed bat, <i>Carollia perspicillata</i> . <i>Journal of Experimental Biology</i> , 2016, 219, 1363-1368.	0.8	9
126	The total opportunity for sexual selection and the integration of pre- and postmating episodes of sexual selection in a complex world. <i>Journal of Evolutionary Biology</i> , 2016, 29, 2338-2361.	0.8	108
127	Comparative morphological trade-offs between pre- and post-copulatory sexual selection in Giant hissing cockroaches (Tribe: Gromphadorhini). <i>Scientific Reports</i> , 2016, 6, 36755.	1.6	24

#	ARTICLE	IF	CITATIONS
128	Correlated evolution between targets of pre- and postcopulatory sexual selection across squamate reptiles. <i>Ecology and Evolution</i> , 2016, 6, 6452-6459.	0.8	27
129	Comparing pre- and post-copulatory mate competition using social network analysis in wild crickets. <i>Behavioral Ecology</i> , 2016, 27, 912-919.	1.0	36
130	Virility does not imply immensity: Testis size, accessory gland size and ejaculate depletion pattern do not evolve in response to experimental manipulation of sex ratio in <i>Drosophila melanogaster</i> . <i>Journal of Insect Physiology</i> , 2017, 98, 67-73.	0.9	11
131	Trade-off between carotenoid-based sexual ornamentation and sperm resistance to oxidative challenge. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162444.	1.2	24
132	Ontogenetic timing as a condition-dependent life history trait: High-condition males develop quickly, peak early, and age fast. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 671-685.	1.1	42
133	Size-dependent ejaculation strategies and reproductive success in the yellow dung fly, <i>Scathophaga stercoraria</i> . <i>Animal Behaviour</i> , 2017, 127, 281-287.	0.8	4
134	It takes two to tango: functional roles, sexual selection and allometry of multiple male weapons in the flower beetle <i>Dicronocephalus wallichii bourgoini</i> . <i>Biological Journal of the Linnean Society</i> , 2017, 121, 514-529.	0.7	22
135	Morph-Specific Weapon-Related Traits in a Male Dimorphic Stag Beetle <i>Prosopocoilus inclinatus</i> , (Coleoptera: Lucanidae). <i>Annals of the Entomological Society of America</i> , 2017, 110, 281-285.	1.3	3
136	Heterogeneous tempo and mode of evolutionary diversification of compounds in lizard chemical signals. <i>Ecology and Evolution</i> , 2017, 7, 1286-1296.	0.8	18
137	Benefits of polyandry: Molecular evidence from field-caught dung beetles. <i>Molecular Ecology</i> , 2017, 26, 3546-3555.	2.0	10
138	Constrained evolution of the sex comb in <i>Drosophila simulans</i> . <i>Journal of Evolutionary Biology</i> , 2017, 30, 388-400.	0.8	5
139	Relationships between male attractiveness, female remating, and sperm competition in the cigarette beetle. <i>Behavioral Ecology and Sociobiology</i> , 2017, 71, 1.	0.6	7
140	Evolutionary Trade-Off between Secondary Sexual Traits and Ejaculates. <i>Trends in Ecology and Evolution</i> , 2017, 32, 964-976.	4.2	128
141	Selection on an extreme weapon in the frog-legged leaf beetle (<i>Sagra femorata</i>). <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 2584-2598.	1.1	46
142	The metabolic cost of carrying a sexually selected trait in the male fiddler crab <i>Uca pugilator</i> . <i>Journal of Experimental Biology</i> , 2017, 220, 3641-3648.	0.8	12
143	Correlated evolution of sexually selected traits: interspecific variation in ejaculates, sperm morphology, copulatory mate guarding, and body size in two sympatric species of garter snakes. <i>Behavioral Ecology and Sociobiology</i> , 2017, 71, 1.	0.6	7
144	Anticipatory flexibility: larval population density in moths determines male investment in antennae, wings and testes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20172087.	1.2	27
145	Testis size variation within sneaker males of the dusky frillgoby <i>Bathygobius fuscus</i> (Gobiidae): effects of within-tactic competition. <i>Biological Journal of the Linnean Society</i> , 2017, 122, 394-399.	0.7	5

#	ARTICLE	IF	CITATIONS
146	Lack of Evolution of Sexual Size Dimorphism in Heteromyidae (Rodentia): The Influence of Resource Defense and the Trade-Off between Pre- and Post-Copulatory Trait Investment. <i>Evolutionary Biology</i> , 2017, 44, 56-68.	0.5	1
147	Cut your losses: self-amputation of injured limbs increases survival. <i>Behavioral Ecology</i> , 2017, 28, 1047-1054.	1.0	28
148	Energetic Effects of Pre-hatch Albumen Removal on Embryonic Development and Early Ontogeny in <i>Gallus gallus</i> . <i>Frontiers in Physiology</i> , 2017, 7, 690.	1.3	8
149	Scramble Competition Polygyny in Terrestrial Arthropods. <i>Advances in the Study of Behavior</i> , 2017, 49, 237-295.	1.0	34
150	The evolution of relative trait size and shape: insights from the genitalia of dung beetles. <i>Development Genes and Evolution</i> , 2018, 228, 83-93.	0.4	9
151	Population density mediates the interaction between pre- and postmating sexual selection. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 893-905.	1.1	30
152	Stabilizing selection on sperm number revealed by artificial selection and experimental evolution. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 698-706.	1.1	17
153	The (ongoing) problem of relative growth. <i>Current Opinion in Insect Science</i> , 2018, 25, 9-19.	2.2	31
154	Divergent testis allometry in two subspecies of the bushcricket <i>Poecilimon veluchianus</i> . <i>Biological Journal of the Linnean Society</i> , 2018, 124, 32-40.	0.7	5
155	Testing ontogenetic patterns of sexual size dimorphism against expectations of the expensive tissue hypothesis, an intraspecific example using oyster toadfish (<i>Opsanus tau</i>). <i>Ecology and Evolution</i> , 2018, 8, 3609-3616.	0.8	1
156	Dimorphic male squid show differential gonadal and ejaculate expenditure. <i>Hydrobiologia</i> , 2018, 808, 5-22.	1.0	21
157	Horn size and nutrition in mountain sheep: Can ewe handle the truth?. <i>Journal of Wildlife Management</i> , 2018, 82, 67-84.	0.7	31
158	Experimental manipulation reveals a trade-off between weapons and testes. <i>Journal of Evolutionary Biology</i> , 2018, 31, 57-65.	0.8	37
159	Males that drop a sexually selected weapon grow larger testes. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 113-122.	1.1	33
160	The hidden cost of sexually selected traits: the metabolic expense of maintaining a sexually selected weapon. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181685.	1.2	39
161	Sexual selection and the variation of male body coloration in guppy. <i>Japanese Journal of Animal Psychology</i> , 2018, 68, 89-97.	0.2	0
162	The geography of sex: sexual conflict, environmental gradients and local loss of sex in facultatively parthenogenetic animals. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170422.	1.8	11
163	The effect of predation risk on post-copulatory sexual selection in the Japanese pygmy squid. <i>Behavioral Ecology and Sociobiology</i> , 2018, 72, 1.	0.6	3

#	ARTICLE	IF	CITATIONS
164	Evolutionary divergence in competitive mating success through female mating bias for good genes. <i>Science Advances</i> , 2018, 4, eaaq0369.	4.7	16
165	Perceived physical strength in men is attractive to women but may come at a cost to ejaculate quality. <i>Animal Behaviour</i> , 2018, 142, 191-197.	0.8	14
166	What is a weapon?. <i>Integrative and Comparative Biology</i> , 2018, 58, 1055-1063.	0.9	4
167	Male Horn Dimorphism and its Function in the Neotropical Dung Beetle <i>Sulcophanaeus velutinus</i> . <i>Journal of Insect Behavior</i> , 2018, 31, 471-489.	0.4	5
168	A weaponsâ€™testes trade-off in males is amplified in female traits. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190906.	1.2	12
169	Muscle mass drives cost in sexually selected arthropod weapons. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191063.	1.2	28
170	The relationship of body condition, superoxide dismutase, and superoxide with sperm performance. <i>Behavioral Ecology</i> , 2019, 30, 1351-1363.	1.0	11
171	Experimental manipulation of reproductive tactics in <i>Sebaâ€™s</i> short-tailed bats: consequences on sperm quality and oxidative status. <i>Environmental Epigenetics</i> , 2019, 65, 609-616.	0.9	2
172	Impact of low sperm competition on male reproductive trait allometries in a bush-cricket. <i>BMC Evolutionary Biology</i> , 2019, 19, 185.	3.2	2
173	Size-dependent seasonal activity for males of the dung beetle <i>Copris acutidens</i> (Coleoptera: Tj ETQq1 1 0.784314 rgBT /Overl 0,4	0.4	4
174	Enough for all: no mating effort adjustment to varying mate availability in a gift-giving spider. <i>Behavioral Ecology</i> , 2019, 30, 1461-1468.	1.0	4
175	Escalation and Morphological Constraints of Antagonistic Armaments in Water Striders. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	12
176	Sperm success and immunity. <i>Current Topics in Developmental Biology</i> , 2019, 135, 287-313.	1.0	47
177	Sizeâ€™dependent investment in tusk length, testis size and sperm length in a biparental geotrupid beetle. <i>Journal of Zoology</i> , 2019, 309, 106-113.	0.8	4
178	Male semelparity and multiple paternity confirmed in an aridâ€™zone dasyurid. <i>Journal of Zoology</i> , 2019, 308, 266-273.	0.8	6
179	Inverse resource allocation between vision and olfaction across the genus <i>Drosophila</i> . <i>Nature Communications</i> , 2019, 10, 1162.	5.8	80
180	Sexual selection and social context: Web-building spiders as emerging models for adaptive plasticity. <i>Advances in the Study of Behavior</i> , 2019, 51, 177-250.	1.0	9
181	Effects of condition and sperm competition risk on sperm allocation and storage in neriid flies. <i>Behavioral Ecology</i> , 0, , .	1.0	4

#	ARTICLE	IF	CITATIONS
182	Life histories of anadromous salmon males reveal a trade-off between primary and secondary sexual traits. <i>Oceanological and Hydrobiological Studies</i> , 2019, 48, 279-289.	0.3	0
183	Penis evolution across species: divergence and diversity. <i>Nature Reviews Urology</i> , 2019, 16, 98-106.	1.9	14
184	Street fighters: Bite force, injury rates, and density of urban Australian water dragons (<i>Intellagama lesueurii</i>). <i>Austral Ecology</i> , 2019, 44, 255-264.	0.7	17
185	Individual plasticity in alternative reproductive tactics declines with social experience in male guppies. <i>Animal Behaviour</i> , 2019, 148, 113-121.	0.8	12
186	Attractive male sticklebacks carry more oxidative DNA damage in the soma and germline. <i>Journal of Evolutionary Biology</i> , 2020, 33, 121-126.	0.8	10
187	Evolution of male antennal size in moths (Lepidoptera): a comparative test of potential trade-offs and correlated growth in Australian species. <i>Austral Entomology</i> , 2020, 59, 156-166.	0.8	2
188	Rapid decreases in relative testes mass among monogamous birds but not in other vertebrates. <i>Ecology Letters</i> , 2020, 23, 283-292.	3.0	20
189	Extreme variation in testes size in an insect is linked to recent mating activity. <i>Journal of Evolutionary Biology</i> , 2020, 33, 142-150.	0.8	11
190	Medicine and the art of trade-offs. <i>Postgraduate Medical Journal</i> , 2020, 96, 575-576.	0.9	1
191	Defining an intrasexual male weapon polymorphism in a New Zealand harvestman (Opiliones: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Society, 2020, 130, 395-409.	0.7	14
192	Temperature as a modulator of sexual selection. <i>Biological Reviews</i> , 2020, 95, 1607-1629.	4.7	69
193	Host plant defense produces species specific alterations to flight muscle protein structure and flight-related fitness traits of two armyworms. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	6
194	Cybernetic combatants support the importance of duels in the evolution of extreme weapons. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200254.	1.2	0
195	Fifty years of sperm competition: the structure of a scientific revolution. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20200060.	1.8	21
196	Sexual traits and reproductive strategy of the leucosiid crab <i>Pyrhila pisum</i> . <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2020, 100, 939-948.	0.4	2
197	Trade-offs, Pleiotropy, and Shared Molecular Pathways: A Unified View of Constraints on Adaptation. <i>Integrative and Comparative Biology</i> , 2020, 60, 332-347.	0.9	30
198	Factors driving sexual dimorphism and colour variability in the Achala Copper Lizard (<i>Pristidactylus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Zoology, 2020, 98, 377-389.	0.4	7
199	Pre- and post-copulatory traits working in concert: sexual dichromatism in passerines is associated with sperm morphology. <i>Biology Letters</i> , 2020, 16, 20190568.	1.0	2

#	ARTICLE	IF	CITATIONS
200	Allometry and Fighting Behaviour of a Dimorphic Stag Beetle <i>Cyclommatus mnischechi</i> (Coleoptera: Tj ETQq0 0 0 rgBT /Overlck 10 Tf 5	1.0	10
201	The Neuroethology of Birdsong. Springer Handbook of Auditory Research, 2020, , .	0.3	13
202	Intra-specific variation of non-genital and genitalic traits in two euophryine jumping spider species. Journal of Zoology, 2021, 313, 263-275.	0.8	4
203	Reproductive Soldier Development Is Controlled by Direct Physical Interactions with Reproductive and Soldier Termites. Insects, 2021, 12, 76.	1.0	4
204	Sexually selected traits and life history traits of larger and smaller males of the horned flour beetle <i>Gnathocerus cornutus</i> . Ecological Entomology, 2021, 46, 807-815.	1.1	0
205	Larval social cues influence testicular investment in an insect. Environmental Epigenetics, 2022, 68, 1-8.	0.9	5
206	Effects of temperature, age and stage on testis development in diamondback moth, <i>Plutella xylostella</i> (L.) (Lepidoptera: Plutellidae). Physiological Entomology, 2021, 46, 200-209.	0.6	4
207	Weapons Evolve Faster Than Sperm in Bovids and Cervids. Cells, 2021, 10, 1062.	1.8	5
208	Do males that experience weapon damage have greater reproductive potential than intact males in polygynous scenarios?. Behavioral Ecology and Sociobiology, 2021, 75, 1.	0.6	3
209	Quantifying the costs of pre- and postcopulatory traits for males: Evidence that costs of ejaculation are minor relative to mating effort. Evolution Letters, 2021, 5, 315-327.	1.6	15
210	Exaggerated evolution of male armaments via male-male competition. Ecology and Evolution, 2021, 11, 6977-6992.	0.8	2
211	Positive allometry of sexually selected traits: Do metabolic maintenance costs play an important role?. BioEssays, 2021, 43, e2000183.	1.2	20
212	Size and shape variation in the male dimorphic head weapons of an anthribid weevil (<i>Hoherius</i>) Tj ETQq0 0 0 rgBT /Overlck 10 Tf 50 26	0.5	4
214	Vocal Performance in Songbirds: From Mechanisms to Evolution. Springer Handbook of Auditory Research, 2020, , 245-268.	0.3	14
215	Social insects, major evolutionary transitions and multilevel selection. , 2010, , 179-211.		29
216	Male-male behavioral interactions drive social-dominance-mediated differences in ejaculate traits. Behavioral Ecology, 2021, 32, 168-177.	1.0	5
218	Sperm Swimming Velocity Predicts Competitive Fertilization Success in the Green Swordtail <i>Xiphophorus helleri</i> . PLoS ONE, 2010, 5, e12146.	1.1	110
219	Good Genes and Sexual Selection in Dung Beetles (<i>Onthophagus taurus</i>): Genetic Variance in Egg-to-Adult and Adult Viability. PLoS ONE, 2011, 6, e16233.	1.1	23

#	ARTICLE	IF	CITATIONS
220	Sex, War, and Disease: The Role of Parasite Infection on Weapon Development and Mating Success in a Horned Beetle (<i>Gnatocerus cornutus</i>). PLoS ONE, 2012, 7, e28690.	1.1	25
221	Ferocious Fighting between Male Grasshoppers. PLoS ONE, 2012, 7, e49600.	1.1	23
222	Effect of Carbohydrate Supplementation on Investment into Offspring Number, Size, and Condition in a Social Insect. PLoS ONE, 2015, 10, e0132440.	1.1	25
223	Male Investments in High Quality Sperm Improve Fertilization Success, but May Have Negative Impact on Offspring Fitness in Whitefish. PLoS ONE, 2015, 10, e0137005.	1.1	14
224	Seasonal constraints on the mandible allometry of <i>Lucanus cervus</i> (Coleoptera: Lucanidae). European Journal of Entomology, 2011, 108, 461-468.	1.2	22
225	Allometry and morphological trait relationship in the sexually dimorphic Chinese dobsonfly, <i>Acanthacorydalis asiatica</i> (Wood-Mason, 1884) (Megaloptera, Corydalidae). ZooKeys, 2019, 854, 119-129.	0.5	1
226	Intramale variation in sperm size: functional significance in a polygynous mammal. PeerJ, 2015, 3, e1478.	0.9	5
227	Psicologia evolucionista e a seleç�o sexual: o caso da linguagem. Psicologia: Teoria E Pesquisa, 2008, 24, 77-85.	0.1	1
228	Intrasexuelle Selektion: wie M�nnchen konkurrieren. Springer-Lehrbuch, 2012, , 262-325.	0.1	0
230	Intrasexuelle Selektion: wie M�nnchen konkurrieren. , 2017, , 262-325.		0
232	Anti-predator behaviour depends on male weapon size. Biology Letters, 2020, 16, 20200601.	1.0	7
234	Morph�specific investment in testes mass in a trimorphic beetle, <i>Proagoderus watanabei</i> . Journal of Zoology, 2022, 316, 169-177.	0.8	0
235	Eavesdropping Micropredators as Dynamic Limiters of Sexual Signal Elaboration and Intrasexual Competition. American Naturalist, 2022, 199, 653-665.	1.0	6
236	Trade-offs between foraging reward and mortality risk drive sex-specific foraging strategies in sexually dimorphic northern elephant seals. Royal Society Open Science, 2022, 9, 210522.	1.1	17
237	Investment in adult reproductive tissues is affected by larval growth conditions but not by evolution under poor larval growth conditions in <i>Drosophila melanogaster</i> . Current Research in Insect Science, 2022, 2, 100027.	0.8	4
238	Large and exaggerated sexually selected weapons comprise high proportions of metabolically inexpensive exoskeleton. Biology Letters, 2022, 18, 20210550.	1.0	7
239	Comparative metabolomic analysis of polyphenic horn development in the dung beetle <i>Onthophagus taurus</i> . PLoS ONE, 2022, 17, e0265222.	1.1	0
240	Negative body size�dependent resource allocation underlies conspicuous sexual ornaments in a territorial damselfly. Journal of Evolutionary Biology, 2022, 35, 288-298.	0.8	1

#	ARTICLE	IF	CITATIONS
244	Previous inter-sexual aggression increases female mating propensity in fruit flies. <i>Behavioral Ecology</i> , 2022, 33, 946-953.	1.0	2
245	Electrocommunication signals and aggressive behavior vary among male morphs in an apteronotid fish, <i>Compsaraia samueli</i> . <i>Journal of Experimental Biology</i> , 2022, 225, .	0.8	4
246	Continuous phenotypic modulation explains male horn allometry in three dung beetle species. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
248	Male mating success evolves in response to increased levels of male-male competition. <i>Evolution; International Journal of Organic Evolution</i> , 0, , .	1.1	0
249	Investment in visual system predicted by floral associations in sap beetles (Coleoptera: Nitidulidae). <i>Systematic Entomology</i> , 0, , .	1.7	0
250	Sperm Competition Theory. , 2022, , 242-263.		0
251	Is there a trade-off between sperm production and sexual weaponry in the Amazon River prawn <i>Macrobrachium amazonicum</i> (Heller, 1862)? <i>Zoology</i> , 2022, 153, 126029.	0.6	6
252	Sex-specific morphs: the genetics and evolution of intra-sexual variation. <i>Nature Reviews Genetics</i> , 2023, 24, 44-52.	7.7	17
253	Behavioral systems. , 2023, , 247-295.		0
254	Sexual size dimorphism and male reproductive traits vary across populations of a tropical rainforest dung beetle species (<i>Onthophagus babirusa</i>). <i>Ecology and Evolution</i> , 2022, 12, .	0.8	1
257	Greater variability in rhesus macaque (<i>Macaca mulatta</i>) endocranial volume among males than females. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, .	1.2	1
258	Males armed with big weapons win fights at limited cost in ant-mimicking jumping spiders. <i>Environmental Epigenetics</i> , 0, , .	0.9	1
259	Age-related changes in sperm traits and evidence for aging costs of sperm production in a sexually promiscuous passerine. <i>Frontiers in Ecology and Evolution</i> , 0, 11, .	1.1	4
260	Scent mark signal investment predicts fight dynamics in house mice. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2023, 290, .	1.2	1
261	How does the timing of weapon loss influence reproductive traits and trade-offs in the insect <i>Narnia femorata</i> ? <i>Evolution; International Journal of Organic Evolution</i> , 2023, 77, 1422-1429.	1.1	0