# John Hunt

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4771529/publications.pdf

Version: 2024-02-01

| 113 | 6,296 | 76294 | 74108 |
|---|---|---|---|
| papers | citations | 40 h-index | 75 g-index |

| 128 | 128 | 128 | 4185 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | High-quality male field crickets invest heavily in sexual display but die young. Nature, 2004, 432, 1024-1027. | 13.7 | 426 |
| 2 | What is genetic quality?. Trends in Ecology and Evolution, 2004, 19, 329-333. | 4.2 | 388 |
| 3 | Maleâ€“male competition, female mate choice and their interaction: determining total sexual selection. Journal of Evolutionary Biology, 2009, 22, 13-26. | 0.8 | 333 |
| 4 | Female Mate Choice as a Conditionâ€Dependent Lifeâ€History Trait. American Naturalist, 2005, 166, 79-92. | 1.0 | 225 |
| 5 | Patterns of fluctuating asymmetry in beetle horns: an experimental examination of the honest signalling hypothesis. Behavioral Ecology and Sociobiology, 1997, 41, 109-114. | 0.6 | 220 |
| 6 | Sex-specific effects of protein and carbohydrate intake on reproduction but not lifespan inDrosophila melanogaster. Aging Cell, 2015, 14, 605-615. | 3.0 | 187 |
| 7 | EXPERIMENTAL EVIDENCE FOR MULTIVARIATE STABILIZING SEXUAL SELECTION. Evolution; International Journal of Organic Evolution, 2005, 59, 871-880. | 1.1 | 186 |
| 8 | Optimal foraging for specific nutrients in predatory beetles. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2212-2218. | 1.2 | 176 |
| 9 | Fighting success and attractiveness as predictors of male mating success in the black field cricket, Teleogryllus commodus: the effectiveness of no-choice tests. Behavioral Ecology and Sociobiology, 2005, 58, 1-8. | 0.6 | 172 |
| 10 | Quantifying the strength and form of sexual selection on men's traits. Evolution and Human Behavior, 2013, 34, 334-341. | 1.4 | 154 |
| 11 | The Indirect Benefits of Mating with Attractive Males Outweigh the Direct Costs. PLoS Biology, 2005, 3, e33. | 2.6 | 152 |
| 12 | Evolution of Sexual Dimorphism and Male Dimorphism in the Expression of Beetle Horns: Phylogenetic Evidence for Modularity, Evolutionary Lability, and Constraint. American Naturalist, 2005, 166, S42-S68. | 1.0 | 151 |
| 13 | Complex Multivariate Sexual Selection on Male Acoustic Signaling in a Wild Population of Teleogryllus commodus. American Naturalist, 2006, 167, E102-E116. | 1.0 | 150 |
| 14 | Status-dependent selection in the dimorphic beetle Onthophagus taurus. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 2409-2414. | 1.2 | 133 |
| 15 | EVIDENCE FOR STRONG INTRALOCUS SEXUAL CONFLICT IN THE INDIAN MEAL MOTH, PLODIA INTERPUNCTELLA. Evolution; International Journal of Organic Evolution, 2011, 65, 2085-2097. | 1.1 | 114 |
| 16 | Fecundity selection theory: concepts and evidence. Biological Reviews, 2017, 92, 341-356. | 4.7 | 110 |
| 17 | The genetics of maternal care: Direct and indirect genetic effects on phenotype in the dung beetle Onthophagus taurus. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 6828-6832. | 3.3 | 105 |
| 18 | Evolutionary Response to Sexual Selection in Male Genital Morphology. Current Biology, 2009, 19, 1442-1446. | 1.8 | 104 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Males Influence Maternal Effects That Promote Sexual Selection: A Quantitative Genetic Experiment with Dung BeetlesOnthophagus taurus. American Naturalist, 2003, 161, 852-859. | 1.0 | 101 |
| 20 | The relative importance of intra- and intersexual selection on human male sexually dimorphic traits. Evolution and Human Behavior, 2018, 39, 424-436. | 1.4 | 97 |
| 21 | MALE COCKROACHES PREFER A HIGH CARBOHYDRATE DIET THAT MAKES THEM MORE ATTRACTIVE TO FEMALES: IMPLICATIONS FOR THE STUDY OF CONDITION DEPENDENCE. Evolution; International Journal of Organic Evolution, 2011, 65, 1594-1606. | 1.1 | 92 |
| 22 | Where do all the maternal effects go? Variation in offspring body size through ontogeny in the live-bearing fish Poecilia parae. Biology Letters, 2006, 2, 586-589. | 1.0 | 88 |
| 23 | Mate choice for genetic quality when environments vary: suggestions for empirical progress. Genetica, 2008, 134, 69-78. | 0.5 | 79 |
| 24 | Separate and combined effects of nutrition during juvenile and sexual development on female life-history trajectories: the thrifty phenotype in a cockroach. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 3257-3264. | 1.2 | 79 |
| 25 | SEXUAL CONFLICT AND CRYPTIC FEMALE CHOICE IN THE BLACK FIELD CRICKET, TELEOGRYLLUS COMMODUS. Evolution; International Journal of Organic Evolution, 2006, 60, 792. | 1.1 | 76 |
| 26 | Protein and carbohydrate intake influence sperm number and fertility in male cockroaches, but not sperm viability. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142144. | 1.2 | 72 |
| 27 | Behavioural dynamics of biparental care in the dung beetle Onthophagus taurus. Animal Behaviour, 2002, 64, 65-75. | 0.8 | 71 |
| 28 | Patterns of parental provisioning covary with male morphology in a horned beetle ( Onthophagus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 0.6 | 69 |
| 29 | Reconciling Strong Stabilizing Selection with the Maintenance of Genetic Variation in a Natural Population of Black Field Crickets (Teleogryllus commodus). Genetics, 2007, 177, 875-880. | 1.2 | 68 |
| 30 | EXPERIMENTAL EVIDENCE THAT SEXUAL CONFLICT INFLUENCES THE OPPORTUNITY, FORM AND INTENSITY OF SEXUAL SELECTION. Evolution; International Journal of Organic Evolution, 2008, 62, 2305-2315. | 1.1 | 68 |
| 31 | Sinister strategies succeed at the cricket World Cup. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, S64-6. | 1.2 | 66 |
| 32 | Effects of juvenile and adult diet on ageing and reproductive effort of male and female black field crickets, Teleogryllus commodus. Functional Ecology, 2009, 23, 602-611. | 1.7 | 63 |
| 33 | Experimental evidence for multivariate stabilizing sexual selection. Evolution; International Journal of Organic Evolution, 2005, 59, 871-80. | 1.1 | 59 |
| 34 | Sexual and Natural Selection Both Influence Male Genital Evolution. PLoS ONE, 2013, 8, e63807. | 1.1 | 58 |
| 35 | The Geometry of Nutrient Spaceâ€“Based Life-History Trade-Offs: Sex-Specific Effects of Macronutrient Intake on the Trade-Off between Encapsulation Ability and Reproductive Effort in Decorated Crickets. American Naturalist, 2018, 191, 452-474. | 1.0 | 57 |
| 36 | Artificial Selection on Male Longevity Influences Ageâ€Dependent Reproductive Effort in the Black Field Cricket Teleogryllus commodus. American Naturalist, 2006, 168, E72-E86. | 1.0 | 56 |

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|---|---|---|---|
| 37 | Male attractiveness covaries with fighting ability but not with prior fight outcome in house crickets. Behavioral Ecology, 2005, 16, 196-200. | 1.0 | 51 |
| 38 | Cuticular hydrocarbons as a basis for chemosensory selfâ€referencing in crickets: a potentially universal mechanism facilitating polyandry in insects. Ecology Letters, 2013, 16, 346-353. | 3.0 | 49 |
| 39 | Sexual selection on cuticular hydrocarbons of male sagebrush crickets in the wild. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20132353. | 1.2 | 48 |
| 40 | NO EVIDENCE FOR INBREEDING AVOIDANCE THROUGH POSTCOPULATORY MECHANISMS IN THE BLACK FIELD CRICKET, TELEOGRYLLUS COMMODUS. Evolution; International Journal of Organic Evolution, 2004, 58, 2472-2477. | 1.1 | 47 |
| 41 | ANTAGONISTIC RESPONSES TO NATURAL AND SEXUAL SELECTION AND THE SEX-SPECIFIC EVOLUTION OF CUTICULAR HYDROCARBONS INâ€,DROSOPHILA SIMULANS. Evolution; International Journal of Organic Evolution, 2012, 66, 665-677. | 1.1 | 42 |
| 42 | Evolutionary rates for multivariate traits: the role of selection and genetic variation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130252. | 1.8 | 39 |
| 43 | Dietary choice for a balanced nutrient intake increases the mean and reduces the variance in the reproductive performance of male and female cockroaches. Ecology and Evolution, 2016, 6, 4711-4730. | 0.8 | 39 |
| 44 | OXIDATIVE STRESS AND THE EVOLUTION OF SEX DIFFERENCES IN LIFE SPAN AND AGEING IN THE DECORATED CRICKET,GRYLLODES SIGILLATUS. Evolution; International Journal of Organic Evolution, 2013, 67, 620-634. | 1.1 | 38 |
| 45 | Title is missing!. Journal of Insect Behavior, 1999, 12, 67-79. | 0.4 | 37 |
| 46 | Patterns of fluctuating asymmetry in beetle horns: no evidence for reliable signaling. Behavioral Ecology, 1998, 9, 465-470. | 1.0 | 35 |
| 47 | No Intra-Locus Sexual Conflict over Reproductive Fitness or Ageing in Field Crickets. PLoS ONE, 2007, 2, e155. | 1.1 | 33 |
| 48 | Field cricket genome reveals the footprint of recent, abrupt adaptation in the wild. Evolution Letters, 2020, 4, 19-33. | 1.6 | 32 |
| 49 | Ageâ€dependent variation in the terminal investment threshold in male crickets. Evolution; International Journal of Organic Evolution, 2018, 72, 578-589. | 1.1 | 31 |
| 50 | Macronutrient balance mediates the growth of sexually selected weapons but not genitalia in male broadâ€horned beetles. Functional Ecology, 2016, 30, 769-779. | 1.7 | 30 |
| 51 | Dung pad residence time covaries with male morphology in the dung beetle Onthophagus taurus. Ecological Entomology, 1999, 24, 174-180. | 1.1 | 29 |
| 52 | Optimal maternal investment in the dung beetle Onthophagus taurus ?. Behavioral Ecology and Sociobiology, 2004, 55, 302-312. | 0.6 | 29 |
| 53 | Sperm competition, alternative mating tactics and context-dependent fertilization success in the burying beetle, Nicrophorus vespilloides. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1309-1315. | 1.2 | 28 |
| 54 | INBREEDING AND ADVERTISEMENT CALLING IN THE CRICKET TELEOGRYLLUS COMMODUS: LABORATORY AND FIELD EXPERIMENTS. Evolution; International Journal of Organic Evolution, 2010, 64, no-no. | 1.1 | 28 |

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|---|---|---|---|
| 55 | Genotype-by-Environment Interactions for Female Mate Choice of Male Cuticular Hydrocarbons in Drosophila simulans. PLoS ONE, 2013, 8, e67623. | 1.1 | 27 |
| 56 | Paternal effects inArabidopsisindicate that offspring can influence their own size. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 2885-2893. | 1.2 | 26 |
| 57 | The Genetics of Cuticular Hydrocarbon Profiles in the Fruit Fly Drosophila simulans. Journal of Heredity, 2012, 103, 230-239. | 1.0 | 24 |
| 58 | Rival male chemical cues evoke changes in male pre- and post-copulatory investment in a flour beetle. Behavioral Ecology, 2015, 26, 1021-1029. | 1.0 | 23 |
| 59 | Sexual selection and population divergence I: The influence of socially flexible cuticular hydrocarbon expression in male field crickets (Teleogryllus oceanicus). Evolution; International Journal of Organic Evolution, 2016, 70, 82-97. | 1.1 | 23 |
| 60 | Fluctuating asymmetry, call structure and the risk of attack from phonotactic parasitoids in the bushcricket Sciarasaga quadrata (Orthoptera: Tettigoniidae). Oecologia, 1998, 116, 356-364. | 0.9 | 22 |
| 61 | Title is missing!. , 2001, 14, 283-297. | | 22 |
| 62 | EXPERIMENTAL EVIDENCE FOR MULTIVARIATE STABILIZING SEXUAL SELECTION. Evolution; International Journal of Organic Evolution, 2005, 59, 871. | 1.1 | 22 |
| 63 | Biting off more than you can chew: sexual selection on the free amino acid composition of the spermatophylax in decorated crickets. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2531-2538. | 1.2 | 22 |
| 64 | Little evidence for intralocus sexual conflict over the optimal intake of nutrients for life span and reproduction in the black field cricketTeleogryllus commodus. Evolution; International Journal of Organic Evolution, 2017, 71, 2159-2177. | 1.1 | 22 |
| 65 | SEXUAL CONFLICT AND CRYPTIC FEMALE CHOICE IN THE BLACK FIELD CRICKET, TELEOGRYLLUS COMMODUS. Evolution; International Journal of Organic Evolution, 2006, 60, 792-800. | 1.1 | 21 |
| 66 | Sex ratio bias in the dung beetle Onthophagus taurus: adaptive allocation or sex-specific offspring mortality?. Evolutionary Ecology, 2011, 25, 363-372. | 0.5 | 20 |
| 67 | Sexual selection and population divergence II. Divergence in different sexual traits and signal modalities in field crickets (Teleogryllus oceanicus ). Evolution; International Journal of Organic Evolution, 2017, 71, 1614-1626. | 1.1 | 20 |
| 68 | Self-referent phenotype matching and its role in female mate choice in arthropods. Environmental Epigenetics, 2013, 59, 239-248. | 0.9 | 19 |
| 69 | Nutrient-specific compensatory feeding in a mammalian carnivore, the mink, Neovison vison. British Journal of Nutrition, 2014, 112, 1226-1233. | 1.2 | 19 |
| 70 | Effects of macronutrient intake on the lifespan and fecundity of the marula fruit fly, Ceratitis cosyra (Tephritidae): Extreme lifespan in a host specialist. Ecology and Evolution, 2017, 7, 9808-9817. | 0.8 | 19 |
| 71 | Mating opportunities and energetic constraints drive variation in ageâ€dependent sexual signalling. Functional Ecology, 2017, 31, 728-741. | 1.7 | 19 |
| 72 | Interactions Between Mitochondrial Haplotype and Dietary Macronutrient Ratios Confer Sex-Specific Effects on Longevity in Drosophila melanogaster. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 1573-1581. | 1.7 | 19 |

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|---|---|---|---|
| 73 | Mapping sex differences in the effects of protein and carbohydrates on lifespan and reproduction in Drosophila melanogaster: is measuring nutrient intake essential?. Biogerontology, 2022, 23, 129-144. | 2.0 | 18 |
| 74 | Sexual conflict and cryptic female choice in the black field cricket, Teleogryllus commodus. Evolution; International Journal of Organic Evolution, 2006, 60, 792-800. | 1.1 | 18 |
| 75 | Meta-analysis can â€œfailâ€• reply to Kotiaho and Tomkins. Oikos, 2004, 104, 191-193. | 1.2 | 17 |
| 76 | Genetic association between male attractiveness and female differential allocation. Biology Letters, 2006, 2, 341-344. | 1.0 | 17 |
| 77 | Understanding the link between sexual selection, sexual conflict and aging using crickets as a model. Experimental Gerontology, 2015, 71, 4-13. | 1.2 | 17 |
| 78 | The complex interplay between macronutrient intake, cuticular hydrocarbon expression and mating success in male decorated crickets. Journal of Evolutionary Biology, 2017, 30, 711-727. | 0.8 | 17 |
| 79 | Longevity, calling effort, and metabolic rate in two populations of cricket. Behavioral Ecology and Sociobiology, 2011, 65, 1773-1778. | 0.6 | 16 |
| 80 | Balancing of specific nutrients and subsequent growth and body composition in the slug Arion lusitanicus. Physiology and Behavior, 2013, 122, 84-92. | 1.0 | 16 |
| 81 | Multivariate sexual selection on male song structure in wild populations of sagebrush crickets, ‹i›Cyphoderris strepitans‹/i› (Orthoptera: Haglidae). Ecology and Evolution, 2013, 3, 3590-3603. | 0.8 | 16 |
| 82 | Self-recognition in crickets via on-line processing. Current Biology, 2014, 24, R1117-R1118. | 1.8 | 15 |
| 83 | Testing the Effects of DL-Alpha-Tocopherol Supplementation on Oxidative Damage, Total Antioxidant Protection and the Sex-Specific Responses of Reproductive Effort and Lifespan to Dietary Manipulation in Australian Field Crickets (Teleogryllus commodus). Antioxidants, 2015, 4, 768-792. | 2.2 | 14 |
| 84 | Female agreement over male attractiveness is not affected by cost of mating with experienced males. Behavioral Ecology, 2008, 19, 854-859. | 1.0 | 13 |
| 85 | Sexâ€specific effects of natural and sexual selection on the evolution of life span and ageing in Drosophila simulans. Functional Ecology, 2015, 29, 562-569. | 1.7 | 12 |
| 86 | Operational sex ratio and density predict the potential for sexual selection in the broad-horned beetle. Animal Behaviour, 2019, 152, 63-69. | 0.8 | 12 |
| 87 | Change in sex pheromone expression by nutritional shift in male cockroaches. Behavioral Ecology, 2017, 28, 1393-1401. | 1.0 | 11 |
| 88 | Sexual selection and population divergence III: Interspecific and intraspecific variation in mating signals. Journal of Evolutionary Biology, 2020, 33, 990-1005. | 0.8 | 11 |
| 89 | Nutritional Geometry Provides Food for Thought. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2009, 64A, 956-959. | 1.7 | 10 |
| 90 | The plasticity of phenotypic integration in response to light and water availability in the pepper grass, Lepidium bonariense. Evolutionary Ecology, 2010, 24, 1321-1337. | 0.5 | 10 |

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|---|---|---|---|
| 91 | Diet has independent effects on the pace and shape of aging in Drosophila melanogaster. Biogerontology, 2018, 19, 1-12. | 2.0 | 10 |
| 92 | Behavioural mechanisms of sexual isolation involving multiple modalities and their inheritance. Journal of Evolutionary Biology, 2019, 32, 243-258. | 0.8 | 10 |
| 93 | Sexual Signaling and Immune Function in the Black Field Cricket Teleogryllus commodus. PLoS ONE, 2012, 7, e39631. | 1.1 | 9 |
| 94 | Maternal effects and maternal selection arising from variation in allocation of free amino acid to eggs. Ecology and Evolution, 2015, 5, 2397-2410. | 0.8 | 8 |
| 95 | The troublesome gift: The spermatophylax as a purveyor of sexual conflict and coercion in crickets. Advances in the Study of Behavior, 2019, 51, 1-30. | 1.0 | 8 |
| 96 | Macronutrient intake and simulated infection threat independently affect life history traits of male decorated crickets. Ecology and Evolution, 2020, 10, 11766-11778. | 0.8 | 8 |
| 97 | Confidence regions for the location of response surface optima: the R package OptimaRegion. Communications in Statistics Part B: Simulation and Computation, 2020, , 1-21. | 0.6 | 8 |
| 98 | Whatâ€™s in the Gift? Towards a Molecular Dissection of Nuptial Feeding in a Cricket. PLoS ONE, 2015, 10, e0140191. | 1.1 | 8 |
| 99 | Active and Covert Infections of Cricket Iridovirus and Acheta domesticus Densovirus in Reared Gryllodes sigillatus Crickets. Frontiers in Microbiology, 2021, 12, 780796. | 1.5 | 8 |
| 100 | Inbreeding alters contextâ€dependent reproductive effort and immunity in male crickets. Journal of Evolutionary Biology, 2019, 32, 731-741. | 0.8 | 7 |
| 101 | Viability selection on female fly finery in the wild. Biological Journal of the Linnean Society, 2015, 116, 530-540. | 0.7 | 6 |
| 102 | Multivariate stabilizing sexual selection and the evolution of male and female genital morphology in the red flour beetle*. Evolution; International Journal of Organic Evolution, 2020, 74, 883-896. | 1.1 | 6 |
| 103 | Genotype-by-sex-by-diet interactions for nutritional preference, dietary consumption, and lipid deposition in a field cricket. Heredity, 2018, 121, 361-373. | 1.2 | 5 |
| 104 | Effects of inbreeding on life-history traits and sexual competency in decorated crickets. Animal Behaviour, 2019, 155, 241-248. | 0.8 | 5 |
| 105 | Intralocus sexual conflict over optimal nutrient intake and the evolution of sex differences in life span and reproduction. Functional Ecology, 2022, 36, 865-881. | 1.7 | 5 |
| 106 | NO EVIDENCE FOR INBREEDING AVOIDANCE THROUGH POSTCOPULATORY MECHANISMS IN THE BLACK FIELD CRICKET, TELEOGRYLLUS COMMODUS. Evolution; International Journal of Organic Evolution, 2004, 58, 2472. | 1.1 | 4 |
| 107 | Male and female genotype and a genotype-by-genotype interaction mediate the effects of mating on cellular but not humoral immunity in female decorated crickets. Heredity, 2021, 126, 477-490. | 1.2 | 4 |
| 108 | Genetic covariance in immune measures and pathogen resistance in decorated crickets is sex and pathogen specific. Journal of Animal Ecology, 2022, , . | 1.3 | 4 |

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|---|---|---|---|
| 109 | Sexual selection on the genital lobes of male Drosophila simulans. Evolution; International Journal of Organic Evolution, 2021, 75, 501-514. | 1.1 | 3 |
| 110 | The motherâ€“inâ€“law effect. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, S61-3. | 1.2 | 2 |
| 111 | The Evolution of Parental Care in the Onthophagine Dung Beetles. , 2011, , 152-176. | | 2 |
| 112 | Evolution: Lending a Helping Hand in Sperm Competition?. Current Biology, 2007, 17, R90-R93. | 1.8 | 1 |
| 113 | Allowing nature to be nurture: a comment on Bailey et al.. Behavioral Ecology, 2018, 29, 16-17. | 1.0 | 1 |