

Tracey Chapman

List of Publications by Year in descending order

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Version: 2024-02-01

114
papers

10,134
citations

47006

47
h-index

37204

96
g-index

124
all docs

124
docs citations

124
times ranked

5725
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Evolutionary history of sexual selection affects microRNA profiles in <i>Drosophila</i> sperm. <i>Evolution; International Journal of Organic Evolution</i> , 2022, 76, 310-319. | 2.3 | 4 |
| 2 | Reproductive interference and Satyrization: mechanisms, outcomes and potential use for insect control. <i>Journal of Pest Science</i> , 2022, 95, 1023-1036. | 3.7 | 2 |
| 3 | Characterisation of the symbionts in the Mediterranean fruit fly gut. <i>Microbial Genomics</i> , 2022, 8, . | 2.0 | 3 |
| 4 | Matthew J. G. Gage (1967–2022). <i>Nature Ecology and Evolution</i> , 2022, 6, 660-661. | 7.8 | 1 |
| 5 | Experimental evolution under varying sex ratio and nutrient availability modulates male mating success in <i>Drosophila melanogaster</i> . <i>Biology Letters</i> , 2022, 18, . | 2.3 | 3 |
| 6 | Satyrization in <i>Drosophila</i> fruitflies. <i>Journal of Evolutionary Biology</i> , 2021, 34, 319-330. | 1.7 | 3 |
| 7 | Plastic male mating behavior evolves in response to the competitive environment*. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 101-115. | 2.3 | 13 |
| 8 | Sex ratio and the evolution of aggression in fruit flies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20203053. | 2.6 | 12 |
| 9 | Transgenerational fitness effects of lifespan extension by dietary restriction in <i>Caenorhabditis elegans</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210701. | 2.6 | 16 |
| 10 | Fitness benefits of dietary restriction. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211787. | 2.6 | 15 |
| 11 | Sex-Specific Responses of Life Span and Fitness to Variation in Developmental Versus Adult Diets in <i>Drosophila melanogaster</i> . <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 1431-1438. | 3.6 | 25 |
| 12 | Transmission efficiency drives host–microbe associations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200820. | 2.6 | 30 |
| 13 | Resource-dependent evolution of female resistance responses to sexual conflict. <i>Evolution Letters</i> , 2020, 4, 54-64. | 3.3 | 20 |
| 14 | Fitness consequences of redundant cues of competition in male <i>Drosophila melanogaster</i> . <i>Ecology and Evolution</i> , 2020, 10, 5517-5526. | 1.9 | 7 |
| 15 | Divergence in Transcriptional and Regulatory Responses to Mating in Male and Female Fruitflies. <i>Scientific Reports</i> , 2019, 9, 16100. | 3.3 | 23 |
| 16 | Evolution of ageing as a tangle of trade-offs: energy versus function. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191604. | 2.6 | 88 |
| 17 | Mate choice and gene expression signatures associated with nutritional adaptation in the medfly (<i>Ceratitis capitata</i>). <i>Scientific Reports</i> , 2019, 9, 6704. | 3.3 | 4 |
| 18 | Contribution of maternal effects to dietary selection in Mediterranean fruit flies. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 278-292. | 2.3 | 4 |

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|----|---|------|-----------|
| 19 | Sex peptide receptor-regulated polyandry modulates the balance of pre- and post-copulatory sexual selection in <i>Drosophila</i> . <i>Nature Communications</i> , 2019, 10, 283. | 12.8 | 26 |
| 20 | Reply to Rosenberg et al.: Diet, gut bacteria, and assortative mating in <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2154-E2155. | 7.1 | 8 |
| 21 | Control of seminal fluid protein expression via regulatory hubs in <i>Drosophila melanogaster</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181681. | 2.6 | 15 |
| 22 | Diet, Gut Microbes and Host Mate Choice. <i>BioEssays</i> , 2018, 40, e1800053. | 2.5 | 10 |
| 23 | Sexual Conflict: Mechanisms and Emerging Themes in Resistance Biology. <i>American Naturalist</i> , 2018, 192, 217-229. | 2.1 | 34 |
| 24 | Reply to Obadia et al.: Effect of methyl paraben on host-microbiota interactions in <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E4549-E4550. | 7.1 | 12 |
| 25 | The role of complex cues in social and reproductive plasticity. <i>Behavioral Ecology and Sociobiology</i> , 2018, 72, 124. | 1.4 | 30 |
| 26 | Lifespan extension without fertility reduction following dietary addition of the autophagy activator Torin1 in <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2018, 13, e0190105. | 2.5 | 23 |
| 27 | Small RNA populations revealed by blocking rRNA fragments in <i>Drosophila melanogaster</i> reproductive tissues. <i>PLoS ONE</i> , 2018, 13, e0191966. | 2.5 | 12 |
| 28 | Testing for Assortative Mating by Diet in <i>Drosophila melanogaster</i> . <i>Bio-protocol</i> , 2018, 8, . | 0.4 | 0 |
| 29 | Variation in the post-mating fitness landscape in fruit flies. <i>Journal of Evolutionary Biology</i> , 2017, 30, 1250-1261. | 1.7 | 12 |
| 30 | Manipulation of feeding regime alters sexual dimorphism for lifespan and reduces sexual conflict in <i>Drosophila melanogaster</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170391. | 2.6 | 16 |
| 31 | Genomic responses to the socio-sexual environment in male <i>Drosophila melanogaster</i> exposed to conspecific rivals. <i>Rna</i> , 2017, 23, 1048-1059. | 3.5 | 47 |
| 32 | Vertically transmitted rhabdoviruses are found across three insect families and have dynamic interactions with their hosts. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162381. | 2.6 | 32 |
| 33 | Sexual conflict over remating interval is modulated by the sex peptide pathway. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162394. | 2.6 | 21 |
| 34 | The role of species-specific sensory cues in male responses to mating rivals in <i>Drosophila melanogaster</i> fruitflies. <i>Ecology and Evolution</i> , 2017, 7, 9247-9256. | 1.9 | 16 |
| 35 | Implementing the sterile insect technique with <i>scp</i> RNA interference – a review. <i>Entomologia Experimentalis Et Applicata</i> , 2017, 164, 155-175. | 1.4 | 27 |
| 36 | Experimental evolution reveals that sperm competition intensity selects for longer, more costly sperm. <i>Evolution Letters</i> , 2017, 1, 102-113. | 3.3 | 45 |

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|----|--|-----|-----------|
| 37 | Gut microbiomes and reproductive isolation in <i>Drosophila</i> . Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12767-12772. | 7.1 | 71 |
| 38 | Adaptation to divergent larval diets in the medfly, <i>Ceratitis capitata</i> . Evolution; International Journal of Organic Evolution, 2017, 71, 289-303. | 2.3 | 18 |
| 39 | Comparison of alternative approaches for analysing multi-level RNA-seq data. PLoS ONE, 2017, 12, e0182694. | 2.5 | 25 |
| 40 | Resource limitation and responses to rivals in males of the fruit fly <i>Drosophila melanogaster</i> . Journal of Evolutionary Biology, 2016, 29, 2010-2021. | 1.7 | 8 |
| 41 | Evolutionary biology and genetic techniques for insect control. Evolutionary Applications, 2016, 9, 212-230. | 3.1 | 71 |
| 42 | Effect of competitive cues on reproductive morphology and behavioral plasticity in male fruitflies. Behavioral Ecology, 2016, 27, 452-461. | 2.2 | 28 |
| 43 | Microguards and micromessengers of the genome. Heredity, 2016, 116, 125-134. | 2.6 | 28 |
| 44 | Sexual Conflict and Evolutionary Psychology: Towards a Unified Framework. Evolutionary Psychology, 2015, , 1-28. | 1.8 | 15 |
| 45 | Sexual Conflict and Seminal Fluid Proteins: A Dynamic Landscape of Sexual Interactions. Cold Spring Harbor Perspectives in Biology, 2015, 7, a017533. | 5.5 | 123 |
| 46 | Effect of Dietary Components on Larval Life History Characteristics in the Medfly (<i>Ceratitis capitata</i>): Tj ETQq0 0 0 rBT /Overlock 10 Tf | 2.5 | 55 |
| 47 | MicroRNAs Influence Reproductive Responses by Females to Male Sex Peptide in <i>Drosophila melanogaster</i> . Genetics, 2014, 198, 1603-1619. | 2.9 | 36 |
| 48 | Genetic elimination of field-cage populations of Mediterranean fruit flies. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141372. | 2.6 | 57 |
| 49 | Running with the Red Queen: the role of biotic conflicts in evolution. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141382. | 2.6 | 225 |
| 50 | SEXUAL CONFLICT AND INTERACTING PHENOTYPES: A QUANTITATIVE GENETIC ANALYSIS OF FECUNDITY AND COPULA DURATION IN <i>DROSOPHILA MELANOGASTER</i> . Evolution; International Journal of Organic Evolution, 2014, 68, 1651-1660. | 2.3 | 25 |
| 51 | COSTS AND BENEFITS OF LIFETIME EXPOSURE TO MATING RIVALS IN MALE <i>DROSOPHILA MELANOGASTER</i> . Evolution; International Journal of Organic Evolution, 2013, 67, 2413-2422. | 2.3 | 73 |
| 52 | Male control of mating duration following exposure to rivals in fruitflies. Journal of Insect Physiology, 2013, 59, 824-827. | 2.0 | 48 |
| 53 | Age-dependent female responses to a male ejaculate signal alter demographic opportunities for selection. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130428. | 2.6 | 34 |
| 54 | Genome-Wide Responses of Female Fruit Flies Subjected to Divergent Mating Regimes. PLoS ONE, 2013, 8, e68136. | 2.5 | 7 |

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|----|---|-----|-----------|
| 55 | Individual plastic responses by males to rivals reveal mismatches between behaviour and fitness outcomes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 2868-2876. | 2.6 | 45 |
| 56 | Sex peptide of <i>Drosophila melanogaster</i> males is a global regulator of reproductive processes in females. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 4423-4432. | 2.6 | 73 |
| 57 | Sex-specific effects of developmental environment on reproductive trait expression in <i>Drosophila melanogaster</i> . <i>Ecology and Evolution</i> , 2012, 2, 1362-1370. | 1.9 | 10 |
| 58 | Variation in adult sex ratio alters the association between courtship, mating frequency and paternity in the lek-forming fruitfly <i>Ceratitis capitata</i> . <i>Journal of Evolutionary Biology</i> , 2012, 25, 1732-1740. | 1.7 | 29 |
| 59 | Quick-change artists: male plastic behavioural responses to rivals. <i>Trends in Ecology and Evolution</i> , 2011, 26, 467-473. | 8.7 | 171 |
| 60 | The evolution and significance of male mate choice. <i>Trends in Ecology and Evolution</i> , 2011, 26, 647-654. | 8.7 | 466 |
| 61 | Males Use Multiple, Redundant Cues to Detect Mating Rivals. <i>Current Biology</i> , 2011, 21, 617-622. | 3.9 | 97 |
| 62 | Insulin signalling regulates remating in female <i>Drosophila</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 424-431. | 2.6 | 49 |
| 63 | Mechanisms underlying reproductive trade-offs: Costs of reproduction. , 2011, , 137-152. | | 66 |
| 64 | A mating plug protein reduces early female remating in <i>Drosophila melanogaster</i> . <i>Journal of Insect Physiology</i> , 2010, 56, 107-113. | 2.0 | 61 |
| 65 | SPERM COMPETITIVE ABILITY AND INDICES OF LIFETIME REPRODUCTIVE SUCCESS. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 2746-2757. | 2.3 | 34 |
| 66 | Female nutritional status determines the magnitude and sign of responses to a male ejaculate signal in <i>Drosophila melanogaster</i> . <i>Journal of Evolutionary Biology</i> , 2010, 23, 157-165. | 1.7 | 84 |
| 67 | Adaptations to sexual selection and sexual conflict: insights from experimental evolution and artificial selection. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 2541-2548. | 4.0 | 46 |
| 68 | Exposure to rivals and plastic responses to sperm competition in <i>Drosophila melanogaster</i> . <i>Behavioral Ecology</i> , 2010, 21, 317-321. | 2.2 | 104 |
| 69 | Finding the Right Plugin: Mosquitoes Have the Answer. <i>PLoS Biology</i> , 2009, 7, e1000273. | 5.6 | 6 |
| 70 | The conditional economics of sexual conflict. <i>Biology Letters</i> , 2009, 5, 671-674. | 2.3 | 77 |
| 71 | Sexual conflict and reproductive isolation in flies. <i>Biology Letters</i> , 2009, 5, 697-699. | 2.3 | 28 |
| 72 | Sexual conflict and sex allocation. <i>Biology Letters</i> , 2009, 5, 660-662. | 2.3 | 9 |

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|----|---|-----|-----------|
| 73 | Plastic responses of male <i>Drosophila melanogaster</i> to the level of sperm competition increase male reproductive fitness. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 1705-1711. | 2.6 | 212 |
| 74 | Seminal Fluid Protein Allocation and Male Reproductive Success. <i>Current Biology</i> , 2009, 19, 751-757. | 3.9 | 309 |
| 75 | The benefits of male ejaculate sex peptide transfer in <i>Drosophila melanogaster</i> . <i>Journal of Evolutionary Biology</i> , 2009, 22, 275-286. | 1.7 | 90 |
| 76 | ADAPTATION TO EXPERIMENTAL ALTERATIONS OF THE OPERATIONAL SEX RATIO IN POPULATIONS OF <i>DROSOPHILA MELANOGASTER</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 401-412. | 2.3 | 43 |
| 77 | ADULT MALE NUTRITION AND REPRODUCTIVE SUCCESS IN <i>DROSOPHILA MELANOGASTER</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 3170-3177. | 2.3 | 108 |
| 78 | Evolutionary Biology: Sterile Saviours. <i>Current Biology</i> , 2008, 18, R261-R263. | 3.9 | 1 |
| 79 | The Soup in My Fly: Evolution, Form and Function of Seminal Fluid Proteins. <i>PLoS Biology</i> , 2008, 6, e179. | 5.6 | 83 |
| 80 | Feeding, fecundity and lifespan in female <i>Drosophila melanogaster</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 1675-1683. | 2.6 | 123 |
| 81 | EJACULATE DEPLETION PATTERNS EVOLVE IN RESPONSE TO EXPERIMENTAL MANIPULATION OF SEX RATIO IN <i>DROSOPHILA MELANOGASTER</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 2027-2034. | 2.3 | 120 |
| 82 | A functioning ovary is not required for sex peptide to reduce receptivity to mating in <i>D. melanogaster</i> . <i>Journal of Insect Physiology</i> , 2007, 53, 343-348. | 2.0 | 10 |
| 83 | Identification of genes expressed in the accessory glands of male Mediterranean Fruit Flies (<i>Ceratitis</i>). <i>Tj ETQq1 1 0.784314 rgBT /Overlo</i> | 2.7 | 98 |
| 84 | Evolutionary Conflicts of Interest between Males and Females. <i>Current Biology</i> , 2006, 16, R744-R754. | 3.9 | 158 |
| 85 | Introduction. Sexual conflict: a new paradigm?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2006, 361, 229-234. | 4.0 | 94 |
| 86 | No extension of lifespan by ablation of germ line in <i>Drosophila</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 939-947. | 2.6 | 68 |
| 87 | The effect of diet, sex and mating status on longevity in Mediterranean fruit flies (<i>Drosophila</i>), Diptera: Tephritidae. <i>Experimental Gerontology</i> , 2005, 40, 784-792. | 2.8 | 33 |
| 88 | Sex Peptide Causes Mating Costs in Female <i>Drosophila melanogaster</i> . <i>Current Biology</i> , 2005, 15, 316-321. | 3.9 | 429 |
| 89 | Stalk-eyed flies. <i>Current Biology</i> , 2005, 15, R533-R535. | 3.9 | 23 |
| 90 | Remating in wild females of the Mediterranean fruit fly, <i>Ceratitis capitata</i> . <i>Animal Behaviour</i> , 2005, 69, 771-776. | 1.9 | 44 |

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|-----|---|-----|-----------|
| 91 | Effects of male sterility on female remating in the Mediterranean fruitfly, <i>Ceratitis capitata</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, S209-11. | 2.6 | 53 |
| 92 | Sex Differences in the Effect of Dietary Restriction on Life Span and Mortality Rates in Female and Male <i>Drosophila Melanogaster</i> . <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2004, 59, B3-B9. | 3.6 | 212 |
| 93 | FEMALE RESISTANCE TO MALE HARM EVOLVES IN RESPONSE TO MANIPULATION OF SEXUAL CONFLICT. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 1028-1037. | 2.3 | 179 |
| 94 | Sperm competition. <i>Current Biology</i> , 2004, 14, R100-R103. | 3.9 | 65 |
| 95 | Functions and analysis of the seminal fluid proteins of male <i>Drosophila melanogaster</i> fruit flies. <i>Peptides</i> , 2004, 25, 1477-1490. | 2.4 | 223 |
| 96 | Sperm competition. <i>Current Biology</i> , 2004, 14, R100-2. | 3.9 | 24 |
| 97 | Sexual conflict. <i>Trends in Ecology and Evolution</i> , 2003, 18, 41-47. | 8.7 | 963 |
| 98 | The sex peptide of <i>Drosophila melanogaster</i> : Female post-mating responses analyzed by using RNA interference. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 9923-9928. | 7.1 | 453 |
| 99 | No reduction of female sexual receptivity following mating in a stalk-eyed fly, <i>Cyrtodiopsis dalmanni</i> (Diptera: Diopsidae). <i>Journal of Evolutionary Biology</i> , 2002, 15, 210-215. | 1.7 | 8 |
| 100 | Increased density and male-male interactions reduce male longevity in the medfly, <i>Ceratitis capitata</i> . <i>Animal Behaviour</i> , 2002, 63, 121-129. | 1.9 | 63 |
| 101 | Effects of body size, accessory gland and testis size on pre- and postcopulatory success in <i>Drosophila melanogaster</i> . <i>Animal Behaviour</i> , 2002, 64, 915-921. | 1.9 | 119 |
| 102 | Seminal fluid-mediated fitness traits in <i>Drosophila</i> . <i>Heredity</i> , 2001, 87, 511-521. | 2.6 | 379 |
| 103 | The Acp26Aa seminal fluid protein is a modulator of early egg hatchability in <i>Drosophila melanogaster</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 1647-1654. | 2.6 | 76 |
| 104 | The role of male accessory gland protein Acp36DE in sperm competition in <i>Drosophila melanogaster</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000, 267, 1097-1105. | 2.6 | 142 |
| 105 | Mating-induced inhibition of remating in female Mediterranean fruit flies <i>Ceratitis capitata</i> . <i>Journal of Insect Physiology</i> , 1999, 45, 1021-1028. | 2.0 | 102 |
| 106 | Sex-specific selection on time to remate in <i>Drosophila melanogaster</i> . <i>Animal Behaviour</i> , 1998, 56, 1267-1278. | 1.9 | 33 |
| 107 | Mating and hormonal triggers regulate accessory gland gene expression in male <i>Drosophila</i> . <i>Journal of Insect Physiology</i> , 1997, 43, 1117-1123. | 2.0 | 66 |
| 108 | Female fitness in <i>Drosophila melanogaster</i> : an interaction between the effect of nutrition and of encounter rate with males. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1996, 263, 755-759. | 2.6 | 375 |

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|-----|---|------|-----------|
| 109 | Lack of response to sex-peptide results in increased cost of mating in dunce <i>Drosophila melanogaster</i> females. <i>Journal of Insect Physiology</i> , 1996, 42, 1007-1015. | 2.0 | 28 |
| 110 | Sexual conflict as fuel for evolution. <i>Nature</i> , 1996, 381, 189-190. | 27.8 | 61 |
| 111 | Cost of mating in <i>Drosophila melanogaster</i> females is mediated by male accessory gland products. <i>Nature</i> , 1995, 373, 241-244. | 27.8 | 1,276 |
| 112 | Remating and male-derived nutrients in <i>Drosophila melanogaster</i> . <i>Journal of Evolutionary Biology</i> , 1994, 7, 51-69. | 1.7 | 59 |
| 113 | No reduction in the cost of mating for <i>Drosophila melanogaster</i> females mating with spermless males. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1993, 253, 211-217. | 2.6 | 83 |
| 114 | Manipulating Insect Sex Determination Pathways for Genetic Pest Management: Opportunities and Challenges. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, . | 4.1 | 10 |