Scott Pitnick

List of Publications by Year
in descending order

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Version: 2024-02-01

75 papers	5,519 citations	101543 36 h-index	91884 69 g-index
76 all docs	76 docs citations	76 times ranked	2371 citing authors

#	Article	IF	Citations
1	Sperm-Female Coevolution in Drosophila. Science, 2002, 298, 1230-1233.	12.6	419
2	Resolving Mechanisms of Competitive Fertilization Success in Drosophila melanogaster. Science, 2010, 328, 354-357.	12.6	316
3	EVOLUTION OF MULTIPLE KINDS OF FEMALE SPERMâ€STORAGE ORGANS IN DROSOPHILA. Evolution; International Journal of Organic Evolution, 1999, 53, 1804-1822.	2.3	280
4	Male Gametic Strategies: Sperm Size, Testes Size, and the Allocation of Ejaculate Among Successive Mates by the Sperm-Limited Fly Drosophila pachea and Its Relatives. American Naturalist, 1994, 143, 785-819.	2.1	246
5	Sperm morphological diversity. , 2009, , 69-149.		244
6	Investment in Testes and the Cost of Making Long Sperm in Drosophila. American Naturalist, 1996, 148, 57-80.	2.1	233
7	Harm to females increases with male body size inDrosophila melanogaster. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 1821-1828.	2.6	198
8	How long is a giant sperm?. Nature, 1995, 375, 109-109.	27.8	164
9	Resolving variation in the reproductive tradeoff between sperm size and number. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5325-5330.	7.1	160
10	Mating system and brain size in bats. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 719-724.	2.6	151
11	How sexual selection can drive the evolution of costly sperm ornamentation. Nature, 2016, 533, 535-538.	27.8	150
12	Male size influences mate fecundity and remating interval in Drosophila melanogaster. Animal Behaviour, 1991, 41, 735-745.	1.9	147
13	Evolution of Multiple Kinds of Female Sperm-Storage Organs in Drosophila. Evolution; International Journal of Organic Evolution, 1999, 53, 1804.	2.3	142
14	Ejaculate-female coevolution inDrosophila mojavensis. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 1507-1512.	2.6	122
15	How Multivariate Ejaculate Traits Determine Competitive Fertilization Success in Drosophila melanogaster. Current Biology, 2012, 22, 1667-1672.	3.9	122
16	Ejaculateâ€“female and spermâ€“female interactions. , 2009, , 247-304.		115
17	Female reproductive tract form drives the evolution of complex sperm morphology. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4538-4543.	7.1	111
18	Intensity of sexual selection along the anisogamyâ€“isogamy continuum. Nature, 2006, 441, 742-745.	27.8	108

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19	Female mediation of competitive fertilization success in Drosophila melanogaster. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10693-10698.	7.1	108
20	CRITERIA FOR DEMONSTRATING FEMALE SPERM CHOICE. Evolution; International Journal of Organic Evolution, 2000, 54, 1052-1056.	2.3	106
21	Evolution of intra-ejaculate sperm interactions: do sperm cooperate?. Biological Reviews, 2011, 86, 249-270.	10.4	101
22	Postcopulatory Sexual Selection Generates Speciation Phenotypes in Drosophila. Current Biology, 2013, 23, 1853-1862.	3.9	99
23	Sperm form and function: what do we know about the role of sexual selection?. Reproduction, 2018, 155, R229-R243.	2.6	92
24	MECHANISMS UNDERLYING THE SPERM QUALITY ADVANTAGE IN DROSOPHILA MELANOGASTER. Evolution; International Journal of Organic Evolution, 2006, 60, 2064-2080.	2.3	88
25	Evolution of female remating behaviour following experimental removal of sexual selection. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 557-563.	2.6	87
26	Influence of developmental environment on male- and female-mediated sperm precedence in Drosophila melanogaster. Journal of Evolutionary Biology, 2007, 20, 381-391.	1.7	87
27	Operational sex ratios and sperm limitation in populations of Drosophila pachea. Behavioral Ecology and Sociobiology, 1993, 33, 383.	1.4	82
28	The ins and outs of fertilization. Nature, 1996, 379, 405-406.	27.8	81
29	PHYLOGENETIC EXAMINATION OF FEMALE INCORPORATION OF EJACULATE IN DROSOPHILA. Evolution; International Journal of Organic Evolution, 1997, 51, 833-845.	2.3	78
30	RAPID DIVERSIFICATION OF SPERM PRECEDENCE TRAITS AND PROCESSES AMONG THREE SIBLINGDROSOPHILASPECIES. Evolution; International Journal of Organic Evolution, 2013, 67, 2348-2362.	2.3	78
31	Sexual selection and a secondary sexual character in twoDrosophilaspecies. Animal Behaviour, 1996, 52, 759-766.	1.9	77
32	Complex interactions with females and rival males limit the evolution of sperm offence and defence. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1779-1788.	2.6	70
33	NO EVIDENCE THAT POLYANDRY BENEFITS FEMALES IN DROSOPHILA MELANOGASTER. Evolution; International Journal of Organic Evolution, 2004, 58, 1242-1250.	2.3	57
34	Postâ€ejaculatory modifications to sperm (PEMS). Biological Reviews, 2020, 95, 365-392.	10.4	50
35	An Analytical Framework for Estimating Fertilization Bias and the Fertilization Set from Multiple Sperm-Storage Organs. American Naturalist, 2013, 182, 552-561.	2.1	49
36	TRANSFER OF EJACULATE AND INCORPORATION OF MALEâ€DERIVED SUBSTANCES BY FEMALES IN THE NANNOPTERA SPECIES GROUP (DIPTERA: DROSOPHILIDAE). Evolution; International Journal of Organic Evolution, 1991, 45, 774-780.	2.3	47

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37	Correlated response in reproductive and life history traits to selection on testis length in Drosophila hydei. Heredity, 2000, 84, 416-426.	2.6	47
38	CONVERGENCE, RECURRENCE AND DIVERSIFICATION OF COMPLEX SPERM TRAITS IN DIVING BEETLES (DYTISCIDAE). Evolution; International Journal of Organic Evolution, 2012, 66, 1650-1661.	2.3	44
39	Adaptive modulation of sperm production rate in Drosophila bifurca , a species with giant sperm. Biology Letters, 2007, 3, 517-519.	2.3	36
40	Proteomics of reproductive systems: Towards a molecular understanding of postmating, prezygotic reproductive barriers. Journal of Proteomics, 2016, 135, 26-37.	2.4	36
41	How female Ã— male and male Ã— male interactions influence competitive fertilization inDrosophila melanogaster. Evolution Letters, 2020, 4, 416-429.	3.3	34
42	NO EVIDENCE FOR POSTCOPULATORY INBREEDING AVOIDANCE IN DROSOPHILA MELANOGASTER. Evolution; International Journal of Organic Evolution, 2011, 65, 2699-2705.	2.3	32
43	Mechanisms underlying the sperm quality advantage in Drosophila melanogaster. Evolution; International Journal of Organic Evolution, 2006, 60, 2064-80.	2.3	32
44	Phylogenetic Examination of Female Incorporation of Ejaculate in Drosophila. Evolution; International Journal of Organic Evolution, 1997, 51, 833.	2.3	30
45	Interrelations of global macroecological patterns in wing and thorax size, sexual size dimorphism, and range size of the Drosophilidae. Ecography, 2018, 41, 1707-1717.	4.5	25
46	Drosophila female reproductive tract gene expression reveals coordinated mating responses and rapidly evolving tissue-specific genes. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	25
47	Quantitative genetic analysis of among-population variation in sperm and female sperm-storage organ length in Drosophila mojavensis. Genetical Research, 2003, 81, 213-220.	0.9	24
48	The life history of Drosophila sperm involves molecular continuity between male and female reproductive tracts. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2119899119.	7.1	24
49	Inbreeding reveals mode of past selection on male reproductive characters in <scp>D</scp>rosophila melanogaster. Ecology and Evolution, 2013, 3, 2089-2102.	1.9	23
50	New Species of Cactus-Breeding Drosophila (Diptera: Drosophilidae) in the Nannoptera Species Group. Annals of the Entomological Society of America, 1994, 87, 307-310.	2.5	18
51	Molecular systematics of theDrosophila hydei subgroup as inferred from mitochondrial DNA sequences. Journal of Molecular Evolution, 1996, 43, 281-286.	1.8	17
52	Quantitative genetics of seminal receptacle length in Drosophila melanogaster. Heredity, 2001, 87, 25-32.	2.6	16
53	Size-dependent alternative male mating tactics in the yellow dung fly, Scathophaga stercoraria. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 3229-3237.	2.6	15
54	Quantitative proteomics reveals rapid divergence in the postmating response of female reproductive tracts among sibling species. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201030.	2.6	15

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55	Transfer of Ejaculate and Incorporation of Male-Derived Substances by Females in the Nannoptera Species Group (Diptera: Drosophilidae). Evolution; International Journal of Organic Evolution, 1991, 45, 774.	2.3	14
56	Sperm length is not influenced by haploid gene expression in the flies Drosophila melanogaster and Scathophaga stercoraria. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 4029-4034.	2.6	13
57	Resolving mechanisms of short-term competitive fertilization success in the red flour beetle. Journal of Insect Physiology, 2016, 93-94, 1-10.	2.0	13
58	Sperm competition: Defining the rules of engagement. Current Biology, 1999, 9, R787-R790.	3.9	12
59	Alternative mating tactics in the yellow dung fly: resolving mechanisms of small-male advantage off pasture. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132164.	2.6	12
60	Extreme ecology and mating system: discriminating among direct benefits models in red flour beetles. Behavioral Ecology, 2016, 27, 575-583.	2.2	12
61	Drosophila oocyte proteome composition covaries with female mating status. Scientific Reports, 2021, 11, 3142.	3.3	12
62	Pronounced Postmating Response in the Drosophila Female Reproductive Tract Fluid Proteome. Molecular and Cellular Proteomics, 2021, 20, 100156.	3.8	12
63	Sperm caucus. Trends in Ecology and Evolution, 1996, 11, 148-151.	8.7	11
64	Causes of Discordance between Allometries at and above Species Level: An Example with Aquatic Beetles. American Naturalist, 2015, 186, 176-186.	2.1	11
65	Drosophila female reproductive glands contribute to mating plug composition and the timing of sperm ejection. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20212213.	2.6	10
66	Do queens select sperm?. Trends in Ecology and Evolution, 2003, 18, 107.	8.7	5
67	NO EVIDENCE THAT POLYANDRY BENEFITS FEMALES IN DROSOPHILA MELANOGASTER. Evolution; International Journal of Organic Evolution, 2004, 58, 1242.	2.3	4
68	Brotherly love benefits females. Nature, 2014, 505, 626-627.	27.8	4
69	Size-dependent ejaculation strategies and reproductive success in the yellow dung fly, Scathophaga stercoraria. Animal Behaviour, 2017, 127, 281-287.	1.9	4
70	No inbreeding depression in sperm storage ability or offspring viability in Drosophila melanogaster females. Journal of Insect Physiology, 2014, 60, 1-6.	2.0	3
71	Sperm Cyst â€œLoopingâ€• A Developmental Novelty Enabling Extreme Male Ornament Evolution. Cells, 2021, 10, 2762.	4.1	3
72	MECHANISMS UNDERLYING THE SPERM QUALITY ADVANTAGE IN DROSOPHILA MELANOGASTER. Evolution; International Journal of Organic Evolution, 2006, 60, 2064.	2.3	2

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73	Stepping off the pasture: evidence of widespread alternative male mating tactics in the yellow dung fly. Behaviour, 2016, 153, 143-157.	0.8	2
74	Opening a window onto sperm competition. Molecular Reproduction and Development, 2013, 80, 79-79.	2.0	1
75	Molecular Systematics of the Drosophila hydei Subgroup as Inferred from Mitochondrial DNA Sequences. Journal of Molecular Evolution, 1996, 43, 281-286.	1.8	1