

Matthew J G Gage

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

4,888
citations

172457

29
h-index

128289

60
g-index

63
all docs

63
docs citations

63
times ranked

3035
citing authors

#	ARTICLE	IF	CITATIONS
1	Sperm competition, male prudence and sperm-limited females. <i>Trends in Ecology and Evolution</i> , 2002, 17, 313-320.	8.7	1,029
2	Spermatozoal traits and sperm competition in Atlantic salmon: relative sperm velocity is the primary determinant of fertilization success. <i>Current Biology</i> , 2004, 14, 44-7.	3.9	348
3	Risk of sperm competition directly affects ejaculate size in the Mediterranean fruit fly. <i>Animal Behaviour</i> , 1991, 42, 1036-1037.	1.9	213
4	Experimental Evidence for the Evolution of Numerous, Tiny Sperm via Sperm Competition. <i>Current Biology</i> , 2003, 13, 754-757.	3.9	203
5	Quick-change artists: male plastic behavioural responses to rivals. <i>Trends in Ecology and Evolution</i> , 2011, 26, 467-473.	8.7	171
6	Relative testis size and sperm morphometry across mammals: no evidence for an association between sperm competition and sperm length. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 625-632.	2.6	167
7	Effects of risks of sperm competition on the numbers of eupyrene and apyrene sperm ejaculated by the moth <i>Plodia interpunctella</i> (Lepidoptera: Pyralidae). <i>Behavioral Ecology and Sociobiology</i> , 1995, 36, 261-268.	1.4	165
8	Experimental heatwaves compromise sperm function and cause transgenerational damage in a model insect. <i>Nature Communications</i> , 2018, 9, 4771.	12.8	163
9	Sexual selection protects against extinction. <i>Nature</i> , 2015, 522, 470-473.	27.8	162
10	The evolution of sperm length in moths. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000, 267, 307-313.	2.6	155
11	Ejaculate size varies with sociosexual situation in an insect. <i>Ecological Entomology</i> , 1991, 16, 331-337.	2.2	152
12	Consistent significant variation between individual males in spermatozoal morphometry. <i>Journal of Zoology</i> , 2001, 254, 147-153.	1.7	128
13	Spermatozoal Traits and Sperm Competition in Atlantic Salmon. <i>Current Biology</i> , 2004, 14, 44-47.	3.9	127
14	Sexual selection and speciation in mammals, butterflies and spiders. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 2309-2316.	2.6	113
15	Influences of sex, size, and symmetry on ejaculate expenditure in a moth. <i>Behavioral Ecology</i> , 1998, 9, 592-597.	2.2	107
16	Males Use Multiple, Redundant Cues to Detect Mating Rivals. <i>Current Biology</i> , 2011, 21, 617-622.	3.9	97
17	Reduced Heterozygosity Depresses Sperm Quality in Wild Rabbits, <i>Oryctolagus cuniculus</i> . <i>Current Biology</i> , 2006, 16, 612-617.	3.9	96
18	Relationships between sperm morphometry and sperm motility in the Atlantic salmon. <i>Journal of Fish Biology</i> , 2002, 61, 1528-1539.	1.6	95

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19	CRYPTIC CHOICE OF CONSPECIFIC SPERM CONTROLLED BY THE IMPACT OF OVARIAN FLUID ON SPERM SWIMMING BEHAVIOR. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 3523-3536.	2.3	92
20	Inbreeding Promotes Female Promiscuity. <i>Science</i> , 2011, 333, 1739-1742.	12.6	84
21	Atlantic salmon eggs favour sperm in competition that have similar major histocompatibility alleles. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 559-566.	2.6	83
22	Artificial selection and heritability of sperm length in <i>Gryllus bimaculatus</i> . <i>Heredity</i> , 2001, 87, 356-362.	2.6	81
23	EXPERIMENTAL EVOLUTION EXPOSES FEMALE AND MALE RESPONSES TO SEXUAL SELECTION AND CONFLICT IN <i>TRIBOLIUM CASTANEUM</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 713-724.	2.3	76
24	Prudent sperm allocation in Norway rats, <i>Rattus norvegicus</i> : a mammalian model of adaptive ejaculate adjustment. <i>Animal Behaviour</i> , 2004, 68, 819-823.	1.9	72
25	Inbreeding depresses sperm competitiveness, but not fertilization or mating success in male <i>Tribolium castaneum</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 3483-3491.	2.6	62
26	Fertility and mortality impacts of thermal stress from experimental heatwaves on different life stages and their recovery in a model insect. <i>Royal Society Open Science</i> , 2021, 8, 201717.	2.4	54
27	Removal of rival sperm during copulation in a beetle, <i>Tenebrio molitor</i> . <i>Animal Behaviour</i> , 1992, 44, 587-589.	1.9	45
28	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
29	Experimental evolution reveals that sperm competition intensity selects for longer, more costly sperm. <i>Evolution Letters</i> , 2017, 1, 102-113.	3.3	45
30	SPERM COMPETITION AND SEX CHANGE: A COMPARATIVE ANALYSIS ACROSS FISHES. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 640-652.	2.3	38
31	Mating patterns influence vulnerability to the extinction vortex. <i>Global Change Biology</i> , 2020, 26, 4226-4239.	9.5	32
32	Links between sex change and fish densities in marine protected areas. <i>Biological Conservation</i> , 2008, 141, 187-197.	4.1	31
33	The dynamics of second- and third-male fertilization precedence in <i>Tribolium castaneum</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2001, 99, 55-64.	1.4	29
34	Experimental Removal of Sexual Selection Reveals Adaptations to Polyandry in Both Sexes. <i>Evolutionary Biology</i> , 2014, 41, 62-70.	1.1	28
35	Effects of risks of sperm competition on the numbers of eupyrene and apyrene sperm ejaculated by the moth <i>Plodia interpunctella</i> (Lepidoptera: Pyralidae). <i>Behavioral Ecology and Sociobiology</i> , 1995, 36, 261-268.	1.4	28
36	<i>Tribolium</i> beetles as a model system in evolution and ecology. <i>Heredity</i> , 2021, 126, 869-883.	2.6	27

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37	Adaptive thermal plasticity enhances sperm and egg performance in a model insect. <i>ELife</i> , 2019, 8, .	6.0	26
38	Experimental evolution with an insect model reveals that male homosexual behaviour occurs due to inaccurate mate choice. <i>Animal Behaviour</i> , 2018, 139, 51-59.	1.9	25
39	Sperm size and number variation in the red flour beetle. <i>Zoological Journal of the Linnean Society</i> , 2001, 133, 369-375.	2.3	21
40	Experimental removal of sexual selection leads to decreased investment in an immune component in female <i>Tribolium castaneum</i> . <i>Infection, Genetics and Evolution</i> , 2015, 33, 212-218.	2.3	18
41	Evidence for multiple founding lineages and genetic admixture in the evolution of species within an oceanic island weevil (Coleoptera, Curculionidae) super-radiation. <i>Journal of Biogeography</i> , 2016, 43, 178-191.	3.0	16
42	Are there genetic trade-offs between immune and reproductive investments in <i>Tribolium castaneum</i> ? <i>Infection, Genetics and Evolution</i> , 2013, 19, 45-50.	2.3	15
43	Environmental quality alters female costs and benefits of evolving under enforced monogamy. <i>BMC Evolutionary Biology</i> , 2014, 14, 21.	3.2	14
44	Assessing risks of invasion through gamete performance: farm Atlantic salmon sperm and eggs show equivalence in function, fertility, compatibility and competitiveness to wild Atlantic salmon. <i>Evolutionary Applications</i> , 2014, 7, 493-505.	3.1	14
45	Complex sperm evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4341-4342.	7.1	13
46	Lineages evolved under stronger sexual selection show superior ability to invade conspecific competitor populations. <i>Evolution Letters</i> , 2018, 2, 511-523.	3.3	10
47	Relative size-at-sex-change in parrotfishes across the Caribbean: is there variance in a supposed life-history invariant?. <i>Evolutionary Ecology</i> , 2011, 25, 429-446.	1.2	9
48	<i>In vitro</i> fertilization experiments using sockeye salmon reveal that bigger eggs are more fertilizable under sperm limitation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 2503-2507.	2.6	8
49	Post-copulatory opportunities for sperm competition and cryptic female choice provide no offspring fitness benefits in externally fertilizing salmon. <i>Royal Society Open Science</i> , 2016, 3, 150709.	2.4	8
50	Polyandry provides reproductive and genetic benefits in colonising populations. <i>Ecology and Evolution</i> , 2020, 10, 10851-10857.	1.9	8
51	Sperm size and number variation in the red flour beetle. <i>Zoological Journal of the Linnean Society</i> , 2001, 133, 369-375.	2.3	8
52	Evolution: Sexual Arms Races. <i>Current Biology</i> , 2004, 14, R378-R380.	3.9	5
53	Evolution: Sex and Cannibalism in Redback Spiders. <i>Current Biology</i> , 2005, 15, R630-R632.	3.9	4
54	Evolution: Vertebrate Reproductive Strategies Get Mixed up. <i>Current Biology</i> , 2006, 16, R876-R879.	3.9	4

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55	Lack of support for Rensch's rule in an intraspecific test using red flour beetle (<i>Tribolium</i>) Tj ETQq1 1 0.784314 ggBT /Over4ock 10 Tf	3.9	4
56	Scramble for the eggs. <i>Nature</i> , 2003, 426, 22-23.	27.8	3
57	Reproductive Biology: Direct Delivery of Costly Sex Peptides. <i>Current Biology</i> , 2005, 15, R124-R126.	3.9	3
58	Evolutionary Conflicts: Rapid Suppression of a Male-Killer. <i>Current Biology</i> , 2007, 17, R849-R851.	3.9	3
59	Sperm size evolution. <i>Nature Ecology and Evolution</i> , 2021, 5, 1064-1065.	7.8	3
60	Conservation: The Costs of Inbreeding and of Being Inbred. <i>Current Biology</i> , 2019, 29, R796-R798.	3.9	2
61	ã;ã¸æ%¸ã¸ã¸æ%¸ã¸ã¸ä¸¸%¸ã¸æ^ . <i>Nature Digest</i> , 2004, 1, 14-15.	0.0	0