Jonathan Paul Evans

List of Publications by Year
in descending order

91	3,772	109321	144013
papers	citations	35 h-index	57 g-index

92	92	92	2335
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Directional postcopulatory sexual selection revealed by artificial insemination. Nature, 2003, 421, 360-363.	27.8	249
2	Sperm competition: linking form to function. BMC Evolutionary Biology, 2008, 8, 319.	3.2	184
3	CRYPTIC FEMALE PREFERENCE FOR COLORFUL MALES IN GUPPIES. Evolution; International Journal of Organic Evolution, 2004, 58, 665-669.	2.3	141
4	MALE-BY-FEMALE INTERACTIONS INFLUENCE FERTILIZATION SUCCESS AND MEDIATE THE BENEFITS OF POLYANDRY IN THE SEA URCHIN HELIOCIDARIS ERYTHROGRAMMA. Evolution; International Journal of Organic Evolution, 2005, 59, 106-112.	2.3	129
5	Patterns of sperm precedence and predictors of paternity in the Trinidadian guppy. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 719-724.	2.6	128
6	Quantitative genetic evidence that males trade attractiveness for ejaculate quality in guppies. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 3195-3201.	2.6	115
7	Sperm Swimming Velocity Predicts Competitive Fertilization Success in the Green Swordtail Xiphophorus helleri. PLoS ONE, 2010, 5, e12146.	2.5	110
8	Sire attractiveness influences offspring performance in guppies. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 2035-2042.	2.6	108
9	COMPARING EVOLVABILITIES: COMMON ERRORS SURROUNDING THE CALCULATION AND USE OF COEFFICIENTS OF ADDITIVE GENETIC VARIATION. Evolution; International Journal of Organic Evolution, 2012, 66, 2341-2349.	2.3	99
10	Sexual Selection and the Evolution of Egg-Sperm Interactions in Broadcast-Spawning Invertebrates. Biological Bulletin, 2013, 224, 166-183.	1.8	91
11	How sperm competition shapes the evolution of testes and sperm: a meta-analysis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20200064.	4.0	90
12	Multivariate selection drives concordant patterns of pre- and postcopulatory sexual selection in a livebearing fish. Nature Communications, 2015, 6, 8291.	12.8	78
13	SOURCES OF GENETIC AND PHENOTYPIC VARIANCE IN FERTILIZATION RATES AND LARVAL TRAITS IN A SEA URCHIN. Evolution; International Journal of Organic Evolution, 2007, 61, 2832-2838.	2.3	76
14	The genetic basis of traits regulating sperm competition and polyandry: can selection favour the evolution of good- and sexy-sperm?. Genetica, 2008, 134, 5-19.	1.1	72
15	Assessing the potential for egg chemoattractants to mediate sexual selection in a broadcast spawning marine invertebrate. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2855-2861.	2.6	71
16	The Effects of Inbreeding on Male Courtship Behaviour and Coloration in Guppies. Ethology, 2006, 112, 807-814.	1.1	69
17	Linking sperm length and velocity: the importance of intramale variation. Biology Letters, 2010, 6, 797-799.	2.3	68
18	Intraspecific evidence from guppies for correlated patterns of male and female genital trait diversification. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 2611-2620.	2.6	65

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19	COMPLEX PATTERNS OF MULTIVARIATE SELECTION ON THE EJACULATE OF A BROADCAST SPAWNING MARINE INVERTEBRATE. Evolution; International Journal of Organic Evolution, 2012, 66, 2451-2460.	2.3	65
20	Sperm transfer through forced matings and its evolutionary implications in natural guppy (Poecilia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	63
21	Male phenotype and sperm number in the guppy (Poecilia reticulata). Canadian Journal of Zoology, 2001, 79, 1891-1896.	1.0	61
22	Conditionâ€dependent expression of preâ€and postcopulatory sexual traits in guppies. Ecology and Evolution, 2013, 3, 2197-2213.	1.9	61
23	Expression of pre- and postcopulatory traits under different dietary conditions in guppies. Behavioral Ecology, 2013, 24, 740-749.	2.2	60
24	RELATIONSHIPS BETWEEN SPERM LENGTH AND SPEED DIFFER AMONG THREE INTERNALLY AND THREE EXTERNALLY FERTILIZING SPECIES. Evolution; International Journal of Organic Evolution, 2014, 68, 92-104.	2.3	60
25	Chemically moderated gamete preferences predict offspring fitness in a broadcast spawning invertebrate. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140148.	2.6	54
26	Mating portfolios: bet-hedging, sexual selection and female multiple mating. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20141525.	2.6	48
27	Male phenotype and sperm number in the guppy (Poecilia reticulata). Canadian Journal of Zoology, 2001, 79, 1891-1896.	1.0	46
28	Delineating the roles of males and females in sperm competition. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20132047.	2.6	46
29	Gamete-mediated mate choice: towards a more inclusive view of sexual selection. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180836.	2.6	46
30	The role of female reproductive fluid in sperm competition. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20200077.	4.0	46
31	Cryptic female preference for colorful males in guppies. Evolution; International Journal of Organic Evolution, 2004, 58, 665-9.	2.3	46
32	Ejaculate-mediated paternal effects: evidence, mechanisms and evolutionary implications. Reproduction, 2019, 157, R109-R126.	2.6	45
33	Sperm storage by males causes changes in sperm phenotype and influences the reproductive fitness of males and their sons. Evolution Letters, 2017, 1, 16-25.	3.3	44
34	Female guppies shorten brood retention in response to predator cues. Behavioral Ecology and Sociobiology, 2007, 61, 719-727.	1.4	40
35	No evidence for sperm priming responses under varying sperm competition risk or intensity in guppies. Die Naturwissenschaften, 2009, 96, 771-779.	1.6	38
36	Sexual selection in hermaphrodites, sperm and broadcast spawners, plants and fungi. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150541.	4.0	37

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37	Egg chemoattractants moderate intraspecific sperm competition. Evolution Letters, 2017, 1, 317-327.	3.3	35
38	Male-by-female interactions influence fertilization success and mediate the benefits of polyandry in the sea urchin Heliocidaris erythrogramma. Evolution; International Journal of Organic Evolution, 2005, 59, 106-12.	2.3	34
39	Evidence that fertility trades off with early offspring fitness as males age. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172174.	2.6	33
40	The effect of sperm production and mate availability on patterns of alternative mating tactics in the guppy. Animal Behaviour, 2016, 112, 105-110.	1.9	31
41	Colorful male guppies do not provide females with fecundity benefits. Behavioral Ecology, 2008, 19, 374-381.	2.2	30
42	Context-dependent genetic benefits of polyandry in a marine hermaphrodite. Biology Letters, 2007, 3, 685-688.	2.3	29
43	Ovarian Fluid Mediates the Temporal Decline in Sperm Viability in a Fish with Sperm Storage. PLoS ONE, 2013, 8, e64431.	2.5	28
44	FERTILIZATION SUCCESS AND THE ESTIMATION OF GENETIC VARIANCE IN SPERM COMPETITIVENESS. Evolution; International Journal of Organic Evolution, 2011, 65, 746-756.	2.3	27
45	Sperm as moderators of environmentally induced paternal effects in a livebearing fish. Biology Letters, 2017, 13, 20170087.	2.3	27
46	The Expression of Pre- and Postcopulatory Sexually Selected Traits Reflects Levels of Dietary Stress in Guppies. PLoS ONE, 2014, 9, e105856.	2.5	26
47	Linking stream ecology with morphological variability in a native freshwater fish from semiâ€arid Australia. Ecology and Evolution, 2015, 5, 3272-3287.	1.9	26
48	Female-induced remote regulation of sperm physiology may provide opportunities for gamete-level mate choice. Evolution; International Journal of Organic Evolution, 2017, 71, 238-248.	2.3	24
49	Postcopulatory sexual selection favours intrinsically good sperm competitors. Behavioral Ecology and Sociobiology, 2008, 62, 1167-1173.	1.4	23
50	Male sperm storage compromises sperm motility in guppies. Biology Letters, 2014, 10, 20140681.	2.3	23
51	Male Genital Morphology and Its Influence on Female Mating Preferences and Paternity Success in Guppies. PLoS ONE, 2011, 6, e22329.	2.5	21
52	Quantitative genetic insights into the coevolutionary dynamics of male and female genitalia. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130749.	2.6	21
53	Multivariate Sexual Selection on Ejaculate Traits under Sperm Competition. American Naturalist, 2018, 192, 94-104.	2.1	21
54	Dietary stress increases the total opportunity for sexual selection and modifies selection on conditionâ€dependent traits. Ecology Letters, 2020, 23, 447-456.	6.4	21

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55	Sexual selection and the evolution of sperm morphology in sharks. Journal of Evolutionary Biology, 2019, 32, 1027-1035.	1.7	19
56	Pre- and post-mating sexual selection both favor large males in a rainbowfish. Behavioral Ecology and Sociobiology, 2010, 64, 915-925.	1.4	18
57	Lectin staining and flow cytometry reveals female-induced sperm acrosome reaction and surface carbohydrate reorganization. Scientific Reports, 2015, 5, 15321.	3.3	18
58	Sexual selection after gamete release in broadcast spawning invertebrates. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20200069.	4.0	18
59	DOES GENETIC RELATEDNESS OF MATES INFLUENCE COMPETITIVE FERTILIZATION SUCCESS IN GUPPIES?. Evolution; International Journal of Organic Evolution, 2008, 62, 2929-2935.	2.3	17
60	Experimental reduction in dietary omega-3 polyunsaturated fatty acids depresses sperm competitiveness. Biology Letters, 2014, 10, 20140623.	2.3	17
61	Implications of multiple mating for offspring relatedness and shoaling behaviour in juvenile guppies. Biology Letters, 2008, 4, 623-626.	2.3	16
62	The Effects of Perceived Mating Opportunities on Patterns of Reproductive Investment by Male Guppies. PLoS ONE, 2014, 9, e93780.	2.5	16
63	Extreme fertilization bias towards freshly inseminated sperm in a species exhibiting prolonged female sperm storage. Royal Society Open Science, 2018, 5, 172195.	2.4	16
64	MORE THAN BINDIN DIVERGENCE: REPRODUCTIVE ISOLATION BETWEEN SYMPATRIC SUBSPECIES OF A SEA URCHIN BY ASYNCHRONOUS SPAWNING. Evolution; International Journal of Organic Evolution, 2012, 66, 3545-3557.	2.3	13
65	The genetic basis of female multiple mating in a polyandrous livebearing fish. Ecology and Evolution, 2013, 3, 61-66.	1.9	13
66	Fluorescent sperm offer a method for tracking the real-time success of ejaculates when they compete to fertilise eggs. Scientific Reports, 2016, 6, 22689.	3.3	12
67	Geographic variation in adult and embryonic desiccation tolerance in a terrestrialâ€breeding frog. Evolution; International Journal of Organic Evolution, 2020, 74, 1186-1199.	2.3	12
68	Population genetic structure and a possible role for selection in driving phenotypic divergence in a rainbowfish (Melanotaeniidae). Biological Journal of the Linnean Society, 2011, 102, 144-160.	1.6	11
69	Individual consistency in exploratory behaviour and mating tactics in male guppies. Die Naturwissenschaften, 2013, 100, 965-974.	1.6	11
70	Ecology of fear in highly invasive fish revealed by robots. IScience, 2022, 25, 103529.	4.1	11
71	Female control over multiple matings increases the opportunity for postcopulatory sexual selection. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181505.	2.6	10
72	Post-ejaculation thermal stress causes changes to the RNA profile of sperm in an external fertilizer. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20202147.	2.6	9

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73	Eggâ€induced changes to sperm phenotypes shape patterns of multivariate selection on ejaculates. Journal of Evolutionary Biology, 2020, 33, 797-807.	1.7	8
74	Indirect parental effects on offspring viability by egg-derived fluids in an external fertilizer. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20202538.	2.6	8
75	Spatial patterns of variation in color and spine shape in the sea urchin Heliocidaris erythrogramma. Invertebrate Biology, 2011, 130, 161-174.	0.9	7
76	Plasticity of fertilization rates under varying temperature in the broadcast spawning mussel, Mytilus galloprovincialis. Ecology and Evolution, 2016, 6, 6578-6585.	1.9	7
77	Phenotypic assortment by body shape in wild-caught fish shoals. Die Naturwissenschaften, 2018, 105, 53.	1.6	7
78	Ocean acidification during prefertilization chemical communication affects sperm success. Ecology and Evolution, 2019, 9, 12302-12310.	1.9	7
79	Female guppies increase their propensity for polyandry as an inbreeding avoidance strategy. Animal Behaviour, 2019, 157, 87-93.	1.9	6
80	Predation shapes sperm performance surfaces in guppies. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190869.	2.6	5
81	Extensive geographical variation in testes size and ejaculate traits in a terrestrial-breeding frog. Biology Letters, 2020, 16, 20200411.	2.3	5
82	The thermal environment of sperm affects offspring success: a test of the anticipatory paternal effects hypothesis in the blue mussel. Biology Letters, 2021, 17, 20210213.	2.3	4
83	Personality, sperm traits and a test for their combined dependence on male condition in guppies. Royal Society Open Science, 2022, 9, .	2.4	4
84	Population demography and heterozygosityâ€“fitness correlations in natural guppy populations: An examination using sexually selected fitness traits. Molecular Ecology, 2017, 26, 4631-4643.	3.9	3
85	High levels of polyandry, but limited evidence for multiple paternity, in wild populations of the western rock lobster (Panulirus cygnus). Ecology and Evolution, 2018, 8, 4525-4533.	1.9	3
86	Lifetime Number of Mates Interacts with Female Age to Determine Reproductive Success in Female Guppies. PLoS ONE, 2012, 7, e47507.	2.5	2
87	Risk-spreading by mating multiply is plausible and requires empirical attention. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150866.	2.6	2
88	Fitness consequences of targeted gene flow to counter impacts of drying climates on terrestrial-breeding frogs. Communications Biology, 2021, 4, 1195.	4.4	2
89	Ocean acidification alters sperm responses to egg-derived chemicals in a broadcast spawning mussel. Biology Letters, 2022, 18, 20220042.	2.3	2
90	Assessing the potential for postâ€ejaculatory female choice in a polyandrous beachâ€spawning fish. Journal of Evolutionary Biology, 2020, 33, 449-459.	1.7	1

#	Article	IF	Citations
91	Densityâ€dependent patterns of multivariate selection on sperm motility and morphology in a broadcast spawning mussel. Ecology and Evolution, 2022, 12, e8514.	1.9	1