

# Jonathan Paul Evans

## List of Publications by Year in descending order

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Version: 2024-02-01

91  
papers

3,772  
citations

109321

35  
h-index

144013

57  
g-index

92  
all docs

92  
docs citations

92  
times ranked

2335  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ecology of fear in highly invasive fish revealed by robots. <i>IScience</i> , 2022, 25, 103529.	4.1	11
2	Density-dependent patterns of multivariate selection on sperm motility and morphology in a broadcast spawning mussel. <i>Ecology and Evolution</i> , 2022, 12, e8514.	1.9	1
3	Ocean acidification alters sperm responses to egg-derived chemicals in a broadcast spawning mussel. <i>Biology Letters</i> , 2022, 18, 20220042.	2.3	2
4	Personality, sperm traits and a test for their combined dependence on male condition in guppies. <i>Royal Society Open Science</i> , 2022, 9, .	2.4	4
5	The thermal environment of sperm affects offspring success: a test of the anticipatory paternal effects hypothesis in the blue mussel. <i>Biology Letters</i> , 2021, 17, 20210213.	2.3	4
6	Fitness consequences of targeted gene flow to counter impacts of drying climates on terrestrial-breeding frogs. <i>Communications Biology</i> , 2021, 4, 1195.	4.4	2
7	Dietary stress increases the total opportunity for sexual selection and modifies selection on condition-dependent traits. <i>Ecology Letters</i> , 2020, 23, 447-456.	6.4	21
8	Extensive geographical variation in testes size and ejaculate traits in a terrestrial-breeding frog. <i>Biology Letters</i> , 2020, 16, 20200411.	2.3	5
9	How sperm competition shapes the evolution of testes and sperm: a meta-analysis. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20200064.	4.0	90
10	Sexual selection after gamete release in broadcast spawning invertebrates. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20200069.	4.0	18
11	The role of female reproductive fluid in sperm competition. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20200077.	4.0	46
12	Assessing the potential for post-ejaculatory female choice in a polyandrous beach-spawning fish. <i>Journal of Evolutionary Biology</i> , 2020, 33, 449-459.	1.7	1
13	Egg-induced changes to sperm phenotypes shape patterns of multivariate selection on ejaculates. <i>Journal of Evolutionary Biology</i> , 2020, 33, 797-807.	1.7	8
14	Geographic variation in adult and embryonic desiccation tolerance in a terrestrial-breeding frog. <i>Evolution; International Journal of Organic Evolution</i> , 2020, 74, 1186-1199.	2.3	12
15	Post-ejaculation thermal stress causes changes to the RNA profile of sperm in an external fertilizer. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20202147.	2.6	9
16	Indirect parental effects on offspring viability by egg-derived fluids in an external fertilizer. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20202538.	2.6	8
17	Sexual selection and the evolution of sperm morphology in sharks. <i>Journal of Evolutionary Biology</i> , 2019, 32, 1027-1035.	1.7	19
18	Predation shapes sperm performance surfaces in guppies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190869.	2.6	5

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19	Female guppies increase their propensity for polyandry as an inbreeding avoidance strategy. <i>Animal Behaviour</i> , 2019, 157, 87-93.	1.9	6
20	Ocean acidification during prefertilization chemical communication affects sperm success. <i>Ecology and Evolution</i> , 2019, 9, 12302-12310.	1.9	7
21	Ejaculate-mediated paternal effects: evidence, mechanisms and evolutionary implications. <i>Reproduction</i> , 2019, 157, R109-R126.	2.6	45
22	Extreme fertilization bias towards freshly inseminated sperm in a species exhibiting prolonged female sperm storage. <i>Royal Society Open Science</i> , 2018, 5, 172195.	2.4	16
23	Multivariate Sexual Selection on Ejaculate Traits under Sperm Competition. <i>American Naturalist</i> , 2018, 192, 94-104.	2.1	21
24	Evidence that fertility trades off with early offspring fitness as males age. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172174.	2.6	33
25	High levels of polyandry, but limited evidence for multiple paternity, in wild populations of the western rock lobster ( <i>Panulirus cygnus</i> ). <i>Ecology and Evolution</i> , 2018, 8, 4525-4533.	1.9	3
26	Female control over multiple matings increases the opportunity for postcopulatory sexual selection. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181505.	2.6	10
27	Phenotypic assortment by body shape in wild-caught fish shoals. <i>Die Naturwissenschaften</i> , 2018, 105, 53.	1.6	7
28	Gamete-mediated mate choice: towards a more inclusive view of sexual selection. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180836.	2.6	46
29	Sperm as moderators of environmentally induced paternal effects in a livebearing fish. <i>Biology Letters</i> , 2017, 13, 20170087.	2.3	27
30	Sperm storage by males causes changes in sperm phenotype and influences the reproductive fitness of males and their sons. <i>Evolution Letters</i> , 2017, 1, 16-25.	3.3	44
31	Female-induced remote regulation of sperm physiology may provide opportunities for gamete-level mate choice. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 238-248.	2.3	24
32	Population demography and heterozygosity–fitness correlations in natural guppy populations: An examination using sexually selected fitness traits. <i>Molecular Ecology</i> , 2017, 26, 4631-4643.	3.9	3
33	Egg chemoattractants moderate intraspecific sperm competition. <i>Evolution Letters</i> , 2017, 1, 317-327.	3.3	35
34	Plasticity of fertilization rates under varying temperature in the broadcast spawning mussel, <i>Mytilus galloprovincialis</i> . <i>Ecology and Evolution</i> , 2016, 6, 6578-6585.	1.9	7
35	Sexual selection in hermaphrodites, sperm and broadcast spawners, plants and fungi. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150541.	4.0	37
36	Fluorescent sperm offer a method for tracking the real-time success of ejaculates when they compete to fertilise eggs. <i>Scientific Reports</i> , 2016, 6, 22689.	3.3	12

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37	The effect of sperm production and mate availability on patterns of alternative mating tactics in the guppy. <i>Animal Behaviour</i> , 2016, 112, 105-110.	1.9	31
38	Linking stream ecology with morphological variability in a native freshwater fish from semi-arid Australia. <i>Ecology and Evolution</i> , 2015, 5, 3272-3287.	1.9	26
39	Lectin staining and flow cytometry reveals female-induced sperm acrosome reaction and surface carbohydrate reorganization. <i>Scientific Reports</i> , 2015, 5, 15321.	3.3	18
40	Risk-spreading by mating multiply is plausible and requires empirical attention. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150866.	2.6	2
41	Mating portfolios: bet-hedging, sexual selection and female multiple mating. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20141525.	2.6	48
42	Multivariate selection drives concordant patterns of pre- and postcopulatory sexual selection in a livebearing fish. <i>Nature Communications</i> , 2015, 6, 8291.	12.8	78
43	The Expression of Pre- and Postcopulatory Sexually Selected Traits Reflects Levels of Dietary Stress in Guppies. <i>PLoS ONE</i> , 2014, 9, e105856.	2.5	26
44	The Effects of Perceived Mating Opportunities on Patterns of Reproductive Investment by Male Guppies. <i>PLoS ONE</i> , 2014, 9, e93780.	2.5	16
45	Male sperm storage compromises sperm motility in guppies. <i>Biology Letters</i> , 2014, 10, 20140681.	2.3	23
46	Chemically moderated gamete preferences predict offspring fitness in a broadcast spawning invertebrate. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140148.	2.6	54
47	Experimental reduction in dietary omega-3 polyunsaturated fatty acids depresses sperm competitiveness. <i>Biology Letters</i> , 2014, 10, 20140623.	2.3	17
48	RELATIONSHIPS BETWEEN SPERM LENGTH AND SPEED DIFFER AMONG THREE INTERNALLY AND THREE EXTERNALLY FERTILIZING SPECIES. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 92-104.	2.3	60
49	Expression of pre- and postcopulatory traits under different dietary conditions in guppies. <i>Behavioral Ecology</i> , 2013, 24, 740-749.	2.2	60
50	Individual consistency in exploratory behaviour and mating tactics in male guppies. <i>Die Naturwissenschaften</i> , 2013, 100, 965-974.	1.6	11
51	The genetic basis of female multiple mating in a polyandrous livebearing fish. <i>Ecology and Evolution</i> , 2013, 3, 61-66.	1.9	13
52	Quantitative genetic insights into the coevolutionary dynamics of male and female genitalia. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20130749.	2.6	21
53	Delineating the roles of males and females in sperm competition. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20132047.	2.6	46
54	Sexual Selection and the Evolution of Egg-Sperm Interactions in Broadcast-Spawning Invertebrates. <i>Biological Bulletin</i> , 2013, 224, 166-183.	1.8	91

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55	Condition-dependent expression of pre- and postcopulatory sexual traits in guppies. <i>Ecology and Evolution</i> , 2013, 3, 2197-2213.	1.9	61
56	Ovarian Fluid Mediates the Temporal Decline in Sperm Viability in a Fish with Sperm Storage. <i>PLoS ONE</i> , 2013, 8, e64431.	2.5	28
57	Assessing the potential for egg chemoattractants to mediate sexual selection in a broadcast spawning marine invertebrate. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 2855-2861.	2.6	71
58	Lifetime Number of Mates Interacts with Female Age to Determine Reproductive Success in Female Guppies. <i>PLoS ONE</i> , 2012, 7, e47507.	2.5	2
59	COMPARING EVOLVABILITIES: COMMON ERRORS SURROUNDING THE CALCULATION AND USE OF COEFFICIENTS OF ADDITIVE GENETIC VARIATION. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 2341-2349.	2.3	99
60	COMPLEX PATTERNS OF MULTIVARIATE SELECTION ON THE EJACULATE OF A BROADCAST SPAWNING MARINE INVERTEBRATE. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 2451-2460.	2.3	65
61	MORE THAN BINDIN DIVERGENCE: REPRODUCTIVE ISOLATION BETWEEN SYMPATRIC SUBSPECIES OF A SEA URCHIN BY ASYNCHRONOUS SPAWNING. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 3545-3557.	2.3	13
62	Spatial patterns of variation in color and spine shape in the sea urchin <i>Heliocidaris erythrogramma</i> . <i>Invertebrate Biology</i> , 2011, 130, 161-174.	0.9	7
63	FERTILIZATION SUCCESS AND THE ESTIMATION OF GENETIC VARIANCE IN SPERM COMPETITIVENESS. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 746-756.	2.3	27
64	Population genetic structure and a possible role for selection in driving phenotypic divergence in a rainbowfish ( <i>Melanotaeniidae</i> ). <i>Biological Journal of the Linnean Society</i> , 2011, 102, 144-160.	1.6	11
65	Intraspecific evidence from guppies for correlated patterns of male and female genital trait diversification. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 2611-2620.	2.6	65
66	Male Genital Morphology and Its Influence on Female Mating Preferences and Paternity Success in Guppies. <i>PLoS ONE</i> , 2011, 6, e22329.	2.5	21
67	Pre- and post-mating sexual selection both favor large males in a rainbowfish. <i>Behavioral Ecology and Sociobiology</i> , 2010, 64, 915-925.	1.4	18
68	Linking sperm length and velocity: the importance of intramale variation. <i>Biology Letters</i> , 2010, 6, 797-799.	2.3	68
69	Quantitative genetic evidence that males trade attractiveness for ejaculate quality in guppies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 3195-3201.	2.6	115
70	Sperm Swimming Velocity Predicts Competitive Fertilization Success in the Green Swordtail <i>Xiphophorus helleri</i> . <i>PLoS ONE</i> , 2010, 5, e12146.	2.5	110
71	No evidence for sperm priming responses under varying sperm competition risk or intensity in guppies. <i>Die Naturwissenschaften</i> , 2009, 96, 771-779.	1.6	38
72	The genetic basis of traits regulating sperm competition and polyandry: can selection favour the evolution of good- and sexy-sperm?. <i>Genetica</i> , 2008, 134, 5-19.	1.1	72

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73	Postcopulatory sexual selection favours intrinsically good sperm competitors. <i>Behavioral Ecology and Sociobiology</i> , 2008, 62, 1167-1173.	1.4	23
74	DOES GENETIC RELATEDNESS OF MATES INFLUENCE COMPETITIVE FERTILIZATION SUCCESS IN GUPPIES?. <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 2929-2935.	2.3	17
75	Sperm competition: linking form to function. <i>BMC Evolutionary Biology</i> , 2008, 8, 319.	3.2	184
76	Implications of multiple mating for offspring relatedness and shoaling behaviour in juvenile guppies. <i>Biology Letters</i> , 2008, 4, 623-626.	2.3	16
77	Colorful male guppies do not provide females with fecundity benefits. <i>Behavioral Ecology</i> , 2008, 19, 374-381.	2.2	30
78	Context-dependent genetic benefits of polyandry in a marine hermaphrodite. <i>Biology Letters</i> , 2007, 3, 685-688.	2.3	29
79	SOURCES OF GENETIC AND PHENOTYPIC VARIANCE IN FERTILIZATION RATES AND LARVAL TRAITS IN A SEA URCHIN. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 2832-2838.	2.3	76
80	Female guppies shorten brood retention in response to predator cues. <i>Behavioral Ecology and Sociobiology</i> , 2007, 61, 719-727.	1.4	40
81	The Effects of Inbreeding on Male Courtship Behaviour and Coloration in Guppies. <i>Ethology</i> , 2006, 112, 807-814.	1.1	69
82	MALE-BY-FEMALE INTERACTIONS INFLUENCE FERTILIZATION SUCCESS AND MEDIATE THE BENEFITS OF POLYANDRY IN THE SEA URCHIN HELIOCIDARIS ERYTHROGRAMMA. <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 106-112.	2.3	129
83	Male-by-female interactions influence fertilization success and mediate the benefits of polyandry in the sea urchin <i>Heliocidaris erythrogramma</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 106-12.	2.3	34
84	Sire attractiveness influences offspring performance in guppies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 2035-2042.	2.6	108
85	CRYPTIC FEMALE PREFERENCE FOR COLORFUL MALES IN GUPPIES. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 665-669.	2.3	141
86	Cryptic female preference for colorful males in guppies. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 665-9.	2.3	46
87	Sperm transfer through forced matings and its evolutionary implications in natural guppy ( <i>Poecilia</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 1.6 63		
88	Directional postcopulatory sexual selection revealed by artificial insemination. <i>Nature</i> , 2003, 421, 360-363.	27.8	249
89	Male phenotype and sperm number in the guppy ( <i>Poecilia reticulata</i> ). <i>Canadian Journal of Zoology</i> , 2001, 79, 1891-1896.	1.0	61
90	Male phenotype and sperm number in the guppy ( <i>Poecilia reticulata</i> ). <i>Canadian Journal of Zoology</i> , 2001, 79, 1891-1896.	1.0	46

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91	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