

Rhonda R Snook

List of Publications by Year in descending order

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73
papers

3,989
citations

147801
31
h-index

138484
58
g-index

84
all docs

84
docs citations

84
times ranked

3142
citing authors

#	ARTICLE	IF	CITATIONS
1	Sperm in competition: not playing by the numbers. <i>Trends in Ecology and Evolution</i> , 2005, 20, 46-53.	8.7	530
2	What do we need to know about speciation?. <i>Trends in Ecology and Evolution</i> , 2012, 27, 27-39.	8.7	358
3	The Impact of Climate Change on Fertility. <i>Trends in Ecology and Evolution</i> , 2019, 34, 249-259.	8.7	188
4	Sperm death and dumping in <i>Drosophila</i> . <i>Nature</i> , 2004, 428, 939-941.	27.8	171
5	Evolutionary Ecology of the Prezygotic Stage. <i>Science</i> , 2004, 303, 971-975.	12.6	151
6	PERSPECTIVE: SEXUAL CONFLICT AND SEXUAL SELECTION: CHASING AWAY PARADIGM SHIFTS. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 1223-1236.	2.3	147
7	Offsetting Effects of Wolbachia Infection and Heat Shock on Sperm Production in <i>Drosophila simulans</i> : Analyses of Fecundity, Fertility and Accessory Gland Proteins. <i>Genetics</i> , 2000, 155, 167-178.	2.9	141
8	Functional nonequivalence of sperm in <i>Drosophila pseudoobscura</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 11222-11226.	7.1	98
9	Experimental Removal and Elevation of Sexual Selection: Does Sexual Selection Generate Manipulative Males and Resistant Females?. <i>American Naturalist</i> , 2005, 165, S72-S87.	2.1	94
10	The biology and evolution of polyspermy: insights from cellular and functional studies of sperm and centrosomal behavior in the fertilized egg. <i>Reproduction</i> , 2011, 142, 779-792.	2.6	94
11	Only long sperm are fertilization-competent in six sperm-heteromorphic <i>Drosophila</i> species. <i>Current Biology</i> , 1998, 8, 291-294.	3.9	91
12	A Sterile Sperm Caste Protects Brother Fertile Sperm from Female-Mediated Death in <i>Drosophila pseudoobscura</i> . <i>Current Biology</i> , 2008, 18, 292-296.	3.9	83
13	Pollen and sperm heteromorphism: convergence across kingdoms?. <i>Journal of Evolutionary Biology</i> , 2005, 18, 1-18.	1.7	77
14	Local adaptation of reproductive performance during thermal stress. <i>Journal of Evolutionary Biology</i> , 2017, 30, 422-429.	1.7	76
15	EXPERIMENTAL MANIPULATION OF SEXUAL SELECTION PROMOTES GREATER MALE MATING CAPACITY BUT DOES NOT ALTER SPERM INVESTMENT. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 926-938.	2.3	75
16	Temperatures that sterilize males better match global species distributions than lethal temperatures. <i>Nature Climate Change</i> , 2021, 11, 481-484.	18.8	75
17	Experimental Manipulation of Sexual Selection and the Evolution of Courtship Song in <i>Drosophila pseudoobscura</i> . <i>Behavior Genetics</i> , 2005, 35, 245-255.	2.1	64
18	SEX RATIO DISTORTER REDUCES SPERM COMPETITIVE ABILITY IN AN INSECT. <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 1644-1652.	2.3	63

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19	The environmental genomics of metazoan thermal adaptation. <i>Heredity</i> , 2015, 114, 502-514.	2.6	61
20	IS THE PRODUCTION OF MULTIPLE SPERM TYPES ADAPTIVE?. <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 797-808.	2.3	59
21	The risk of sperm competition and the evolution of sperm heteromorphism. <i>Animal Behaviour</i> , 1998, 56, 1497-1507.	1.9	55
22	Male attractiveness, fertility and susceptibility to oxidative stress are influenced by inbreeding in <i>Drosophila simulans</i> . <i>Journal of Evolutionary Biology</i> , 2011, 24, 363-371.	1.7	53
23	The evolutionary origin and maintenance of sperm. , 2009, , 43-67.		52
24	Spermicide, cryptic female choice and the evolution of sperm form and function. <i>Journal of Evolutionary Biology</i> , 2006, 19, 1660-1670.	1.7	46
25	Increased opportunity for sexual conflict promotes harmful males with elevated courtship frequencies. <i>Journal of Evolutionary Biology</i> , 2010, 23, 440-446.	1.7	45
26	A TEST AND REVIEW OF THE ROLE OF EFFECTIVE POPULATION SIZE ON EXPERIMENTAL SEXUAL SELECTION PATTERNS. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 1923-1933.	2.3	44
27	Sexual conflict does not drive reproductive isolation in experimental populations of <i>Drosophila pseudoobscura</i> . <i>Journal of Evolutionary Biology</i> , 2007, 20, 1763-1771.	1.7	43
28	WHAT USE IS AN INFERTILE SPERM? A COMPARATIVE STUDY OF SPERM-HETEROMORPHIC DROSOPHILA. <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 374-385.	2.3	42
29	Reproductive isolation among allopatric <i>Drosophila montana</i> populations. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 3095-3108.	2.3	42
30	Mating system manipulation and the evolution of sex-biased gene expression in <i>Drosophila</i> . <i>Nature Communications</i> , 2017, 8, 2072.	12.8	39
31	Fertilization mode drives sperm length evolution across the animal tree of life. <i>Nature Ecology and Evolution</i> , 2021, 5, 1153-1164.	7.8	39
32	Mating system variation drives rapid evolution of the female transcriptome in <i>Drosophila pseudoobscura</i> . <i>Ecology and Evolution</i> , 2014, 4, 2186-2201.	1.9	38
33	Mating system evolution in sperm-heteromorphous <i>Drosophila</i> . <i>Journal of Insect Physiology</i> , 2001, 47, 957-964.	2.0	36
34	Sexual selection: Conflict, kindness and chicanery. <i>Current Biology</i> , 2001, 11, R337-R341.	3.9	36
35	Is the Production of Multiple Sperm Types Adaptive?. <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 797.	2.3	33
36	The Past and Future of Experimental Speciation. <i>Trends in Ecology and Evolution</i> , 2020, 35, 10-21.	8.7	33

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37	How Important Is Sexual Conflict?. <i>American Naturalist</i> , 2005, 165, S1-S4.	2.1	31
38	EVOLUTION OF DIVERGENT FEMALE MATING PREFERENCE IN RESPONSE TO EXPERIMENTAL SEXUAL SELECTION. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 2524-2533.	2.3	31
39	Phenotypic Responses to and Genetic Architecture of Sterility Following Exposure to Sub-Lethal Temperature During Development. <i>Frontiers in Genetics</i> , 2020, 11, 573.	2.3	31
40	SEXUAL CONFLICT AND SEXUAL SELECTION: MEASURING ANTAGONISTIC COEVOLUTION. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 1389-1393.	2.3	28
41	SEXUAL SELECTION AND INTERACTING PHENOTYPES IN EXPERIMENTAL EVOLUTION: A STUDY OF <i>DROSOPHILA PSEUDOOBSCURA</i> MATING BEHAVIOR. <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 1804-1812.	2.3	27
42	The evolutionary significance of variation in sperm-egg interactions. , 2009, , 305-365.		26
43	Sexual selection and experimental evolution of chemical signals in <i>Drosophila pseudoobscura</i> . <i>Journal of Evolutionary Biology</i> , 2012, 25, 2232-2241.	1.7	25
44	Interrelations of global macroecological patterns in wing and thorax size, sexual size dimorphism, and range size of the Drosophilidae. <i>Ecography</i> , 2018, 41, 1707-1717.	4.5	25
45	THE QUANTITATIVE GENETICS AND COEVOLUTION OF MALE AND FEMALE REPRODUCTIVE TRAITS. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 1926-34.	2.3	24
46	Sexual selection and assortative mating: an experimental test. <i>Journal of Evolutionary Biology</i> , 2016, 29, 1307-1316.	1.7	24
47	PERSPECTIVE: SEXUAL CONFLICT AND SEXUAL SELECTION: CHASING AWAY PARADIGM SHIFTS. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 1223.	2.3	23
48	Efficiency of gamete usage in nature: sperm storage, fertilization and polyspermy. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 467-473.	2.6	21
49	Interactions between the sexes: new perspectives on sexual selection and reproductive isolation. <i>Evolutionary Ecology</i> , 2009, 23, 71-91.	1.2	21
50	Persistent postmating, prezygotic reproductive isolation between populations. <i>Ecology and Evolution</i> , 2018, 8, 9062-9073.	1.9	21
51	The Old and the New: Discovery Proteomics Identifies Putative Novel Seminal Fluid Proteins in <i>Drosophila</i> . <i>Molecular and Cellular Proteomics</i> , 2019, 18, S23-S33.	3.8	20
52	Associations between female remating behavior, oogenesis and oviposition in <i>Drosophila melanogaster</i> and <i>Drosophila pseudoobscura</i> . <i>Journal of Insect Physiology</i> , 2000, 46, 1489-1496.	2.0	18
53	Gene expression clines reveal local adaptation and associated trade-offs at a continental scale. <i>Scientific Reports</i> , 2016, 6, 32975.	3.3	18
54	The evolution of polyandry. , 2014, , 159-180.		18

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55	Integrated Approaches to Studying Male and Female Thermal Fertility Limits. <i>Trends in Ecology and Evolution</i> , 2019, 34, 492-493.	8.7	16
56	Strength of sexual and postmating prezygotic barriers varies between sympatric populations with different histories and species abundances. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 1182-1199.	2.3	16
57	Mate choice intensifies motor signalling in <i>Drosophila</i> . <i>Animal Behaviour</i> , 2017, 133, 169-187.	1.9	15
58	Experimental evolution supports signatures of sexual selection in genomic divergence. <i>Evolution Letters</i> , 2021, 5, 214-229.	3.3	15
59	Within-population sperm competition intensity does not predict asymmetry in conspecific sperm precedence. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20200071.	4.0	12
60	Seminal fluid protein divergence among populations exhibiting postmating prezygotic reproductive isolation. <i>Molecular Ecology</i> , 2020, 29, 4428-4441.	3.9	12
61	Fluctuating heat stress during development exposes reproductive costs and putative benefits. <i>Journal of Animal Ecology</i> , 2022, 91, 391-403.	2.8	12
62	Plastic responses of survival and fertility following heat stress in pupal and adult <i>Drosophila virilis</i> . <i>Ecology and Evolution</i> , 2021, 11, 18238-18247.	1.9	12
63	SpermTree, a species-level database of sperm morphology spanning the animal tree of life. <i>Scientific Data</i> , 2022, 9, 30.	5.3	11
64	Sexual selection and the evolution of secondary sexual traits: sex comb evolution in <i>Drosophila</i> . <i>Journal of Evolutionary Biology</i> , 2013, 26, 912-918.	1.7	10
65	The genetic basis and adult reproductive consequences of developmental thermal plasticity. <i>Journal of Animal Ecology</i> , 2022, 91, 1119-1134.	2.8	10
66	Repeated evidence that the accelerated evolution of sperm is associated with their fertilization function. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201286.	2.6	8
67	Integrated and independent evolution of heteromorphic sperm types. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131647.	2.6	6
68	Experimental evolution of local adaptation under unidimensional and multidimensional selection. <i>Current Biology</i> , 2022, 32, 1310-1318.e4.	3.9	6
69	Female fruit flies cannot protect stored sperm from high temperature damage. <i>Journal of Thermal Biology</i> , 2022, 105, 103209.	2.5	5
70	Experimental sexual selection reveals rapid evolutionary divergence in sex-specific transcriptomes and their interactions following mating. <i>Molecular Ecology</i> , 2022, 31, 3374-3388.	3.9	5
71	Experimental sexual selection affects the evolution of physiological and life-history traits. <i>Journal of Evolutionary Biology</i> , 2022, 35, 742-751.	1.7	3
72	Sperm morphology and the evolution of intracellular sperm-egg interactions. <i>Ecology and Evolution</i> , 2018, 8, 5047-5058.	1.9	2

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73	SEXUAL CONFLICT AND SEXUAL SELECTION: MEASURING ANTAGONISTIC COEVOLUTION. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 1389.	2.3	0