Stephen F Chenoweth

List of Publications by Year
in descending order

88	5,382	87888 38	95266 68
papers	citations	h-index	g-index

95	95	95	4065
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genetic and social contributions to sex differences in lifespan in Drosophila serrata. Journal of Evolutionary Biology, 2022, 35, 657-663.	1.7	4
2	Natural variation at a single gene generates sexual antagonism across fitness components in Drosophila. Current Biology, 2022, 32, 3161-3169.e7.	3.9	14
3	The impact of artificial selection for Wolbachia-mediated dengue virus blocking on phage WO. PLoS Neglected Tropical Diseases, 2021, 15, e0009637.	3.0	6
4	Integrating genomics and multivariate evolutionary quantitative genetics: a case study of constraints on sexual selection in Drosophila serrata. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211785.	2.6	9
5	Artificial Selection Finds New Hypotheses for the Mechanism of Wolbachia-Mediated Dengue Blocking in Mosquitoes. Frontiers in Microbiology, 2020, 11, 1456.	3.5	15
6	Selection on Aedes aegypti alters Wolbachia-mediated dengue virus blocking and fitness. Nature Microbiology, 2019, 4, 1832-1839.	13.3	62
7	Dominance reversals and the maintenance of genetic variation for fitness. PLoS Biology, 2019, 17, e3000118.	5.6	53
8	The origin and maintenance of metabolic allometry in animals. Nature Ecology and Evolution, 2019, 3, 598-603.	7.8	86
9	Mutational Pleiotropy and the Strength of Stabilizing Selection Within and Between Functional Modules of Gene Expression. Genetics, 2018, 208, 1601-1616.	2.9	14
10	A Genomic Reference Panel for Drosophila serrata. G3: Genes, Genomes, Genetics, 2018, 8, 1335-1346.	1.8	23
11	Allowing nature to be nurture: a comment on Bailey et al.. Behavioral Ecology, 2018, 29, 16-17.	2.2	1
12	The transcriptional response of Aedes aegypti with variable extrinsic incubation periods for dengue virus. Genome Biology and Evolution, 2018, 10, 3141-3151.	2.5	14
13	Artificial selection reveals sex differences in the genetic basis of sexual attractiveness. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5498-5503.	7.1	11
14	Genetic constraints on microevolutionary divergence of sex-biased gene expression. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170427.	4.0	27
15	The Genomics of Sexual Conflict. American Naturalist, 2018, 192, 274-286.	2.1	93
16	Sexâ€biased transcriptome divergence along a latitudinal gradient. Molecular Ecology, 2017, 26, 1256-1272.	3.9	25
17	Single-Molecule Sequencing of the Drosophila serrata Genome. G3: Genes, Genomes, Genetics, 2017, 7, 781-788.	1.8	24
18	Sexual selection on spontaneous mutations strengthens the betweenâ€sex genetic correlation for fitness. Evolution; International Journal of Organic Evolution, 2017, 71, 2398-2409.	2.3	8

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19	Family level variation in Wolbachia-mediated dengue virus blocking in Aedes aegypti. Parasites and Vectors, 2017, 10, 622.	2.5	25
20	Testing for a genetic response to sexual selection in a wild Drosophila population. Journal of Evolutionary Biology, 2016, 29, 1278-1283.	1.7	2
21	Evolutionary potential of the extrinsic incubation period of dengue virus inAedes aegypti. Evolution; International Journal of Organic Evolution, 2016, 70, 2459-2469.	2.3	30
22	The pdm3 Locus Is a Hotspot for Recurrent Evolution of Female-Limited Color Dimorphism in Drosophila. Current Biology, 2016, 26, 2412-2422.	3.9	57
23	Polymorphisms in a desaturase 2 ortholog associate with cuticular hydrocarbon and male mating success variation in aÂnatural population of Drosophila serrata. Journal of Evolutionary Biology, 2015, 28, 1600-1609.	1.7	3
24	Genomic Evidence that Sexual Selection Impedes Adaptation to a Novel Environment. Current Biology, 2015, 25, 1860-1866.	3.9	90
25	Variation and selection on preference functions: a comment on Edward. Behavioral Ecology, 2015, 26, 322-323.	2.2	1
26	The Phenome-Wide Distribution of Genetic Variance. American Naturalist, 2015, 186, 15-30.	2.1	26
27	Connecting thermal performance curve variation to the genotype: a multivariate QTL approach. Journal of Evolutionary Biology, 2015, 28, 155-168.	1.7	12
28	Wolbachia Reduces the Transmission Potential of Dengue-Infected Aedes aegypti. PLoS Neglected Tropical Diseases, 2015, 9, e0003894.	3.0	128
29	Pleiotropic Mutations Are Subject to Strong Stabilizing Selection. Genetics, 2014, 197, 1051-1062.	2.9	38
30	The Nature and Extent of Mutational Pleiotropy in Gene Expression of Male Drosophila serrata. Genetics, 2014, 196, 911-921.	2.9	46
31	THE CONTRIBUTION OF SPONTANEOUS MUTATIONS TO THERMAL SENSITIVITY CURVE VARIATION INDROSOPHILA SERRATA. Evolution; International Journal of Organic Evolution, 2014, 68, 1824-1837.	2.3	19
32	SEX-SPECIFIC PATTERNS OF MORPHOLOGICAL DIVERSIFICATION: EVOLUTION OF REACTION NORMS AND STATIC ALLOMETRIES IN NERIID FLIES. Evolution; International Journal of Organic Evolution, 2014, 68, 368-383.	2.3	22
33	THE EVOLUTIONARY STABILITY OF CROSS-SEX, CROSS-TRAIT GENETIC COVARIANCES. Evolution; International Journal of Organic Evolution, 2014, 68, 1687-1697.	2.3	40
34	Testing the correlated response hypothesis for the evolution and maintenance of male mating preferences in Drosophila serrata. Journal of Evolutionary Biology, 2014, 27, 2106-2112.	1.7	6
35	Interspecific Divergence of Transcription Networks along Lines of Genetic Variance in Drosophila: Dimensionality, Evolvability, and Constraint. Molecular Biology and Evolution, 2013, 30, 1358-1367.	8.9	21
36	The Genomic Distribution of Sex-Biased Genes in Drosophila serrata: X Chromosome Demasculinization, Feminization, and Hyperexpression in Both Sexes. Genome Biology and Evolution, 2013, 5, 1986-1994.	2.5	34

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37	Sex-Specific Fitness Consequences of Nutrient Intake and the Evolvability of Diet Preferences. American Naturalist, 2013, 182, 91-102.	2.1	93
38	Analyzing and Comparing the Geometry of Individual Fitness Surfaces. , 2013, , 126-149.		6
39	Physical and Linkage Maps forDrosophila serrata, a Model Species for Studies of Clinal Adaptation and Sexual Selection. G3: Genes, Genomes, Genetics, 2012, 2, 287-297.	1.8	19
40	The relative importance of genetic and nongenetic inheritance in relation to trait plasticity in <scp>C</scp>allosobruchus maculatus. Journal of Evolutionary Biology, 2012, 25, 2422-2431.	1.7	14
41	THE B-MATRIX HARBORS SIGNIFICANT AND SEX-SPECIFIC CONSTRAINTS ON THE EVOLUTION OF MULTICHARACTER SEXUAL DIMORPHISM. Evolution; International Journal of Organic Evolution, 2012, 66, 2106-2116.	2.3	68
42	THE B-MATRIX HARBORS SIGNIFICANT AND SEX-SPECIFIC CONSTRAINTS ON THE EVOLUTION OF MULTICHARACTER SEXUAL DIMORPHISM. Evolution; International Journal of Organic Evolution, 2012, , no-no.	2.3	0
43	On the evolution of heightened condition dependence of male sexual displays. Journal of Evolutionary Biology, 2011, 24, 685-692.	1.7	43
44	Quantitative genetic variation for thermal performance curves within and among natural populations ofDrosophila serrata. Journal of Evolutionary Biology, 2011, 24, 965-975.	1.7	59
45	STRONGER CONVEX (STABILIZING) SELECTION ON HOMOLOGOUS SEXUAL DISPLAY TRAITS IN FEMALES THAN IN MALES: A MULTIPOPULATION COMPARISON IN DROSOPHILA SERRATA. Evolution; International Journal of Organic Evolution, 2011, 65, 893-899.	2.3	27
46	HIGH-DIMENSIONAL VARIANCE PARTITIONING REVEALS THE MODULAR GENETIC BASIS OF ADAPTIVE DIVERGENCE IN GENE EXPRESSION DURING REPRODUCTIVE CHARACTER DISPLACEMENT. Evolution; International Journal of Organic Evolution, 2011, 65, 3126-3137.	2.3	15
47	CLINES IN CUTICULAR HYDROCARBONS IN TWO DROSOPHILA SPECIES WITH INDEPENDENT POPULATION HISTORIES. Evolution; International Journal of Organic Evolution, 2010, 64, 1784-1794.	2.3	70
48	EXPERIMENTAL EVIDENCE FOR THE EVOLUTION OF INDIRECT GENETIC EFFECTS: CHANGES IN THE INTERACTION EFFECT COEFFICIENT, PSI (Î˙), DUE TO SEXUAL SELECTION. Evolution; International Journal of Organic Evolution, 2010, 64, 1849-1856.	2.3	58
49	Zebrafish take their cue from temperature but not photoperiod for the seasonal plasticity of thermal performance. Journal of Experimental Biology, 2010, 213, 3705-3709.	1.7	24
50	The Contribution of Selection and Genetic Constraints to Phenotypic Divergence. American Naturalist, 2010, 175, 186-196.	2.1	121
51	The Genetic Basis of Sexually Selected Variation. Annual Review of Ecology, Evolution, and Systematics, 2010, 41, 81-101.	8.3	82
52	Effective but Costly, Evolved Mechanisms of Defense against a Virulent Opportunistic Pathogen in Drosophila melanogaster. PLoS Pathogens, 2009, 5, e1000385.	4.7	83
53	Characterizing the evolution of genetic variance using genetic covariance tensors. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 1567-1578.	4.0	88
54	Association Mapping in Outbred Populations: Power and Efficiency When Genotyping Parents and Phenotyping Progeny. Genetics, 2009, 181, 755-765.	2.9	8

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55	An expressed sequence tag (EST) library for Drosophila serrata, a model system for sexual selection and climatic adaptation studies. BMC Genomics, 2009, 10, 40.	2.8	26
56	The diversification of mate preferences by natural and sexual selection. Journal of Evolutionary Biology, 2009, 22, 1608-1615.	1.7	45
57	Intralocus sexual conflict. Trends in Ecology and Evolution, 2009, 24, 280-288.	8.7	670
58	QSTMEETS THE G MATRIX: THE DIMENSIONALITY OF ADAPTIVE DIVERGENCE IN MULTIPLE CORRELATED QUANTITATIVE TRAITS. Evolution; International Journal of Organic Evolution, 2008, 62, 1437-1449.	2.3	62
59	Polyandry and paternity skew in natural and experimental populations of Drosophila serrata. Molecular Ecology, 2008, 17, 1589-1596.	3.9	32
60	Genetic Constraints and the Evolution of Display Trait Sexual Dimorphism by Natural and Sexual Selection. American Naturalist, 2008, 171, 22-34.	2.1	111
61	Comparing Complex Fitness Surfaces: Amongâ€Population Variation in Mutual Sexual Selection inDrosophila serrata. American Naturalist, 2008, 171, 443-454.	2.1	49
62	Natural Genetic Variation in Cuticular Hydrocarbon Expression in Male and Female Drosophila melanogaster. Genetics, 2007, 175, 1465-1477.	2.9	74
63	Predicting the age of mosquitoes using transcriptional profiles. Nature Protocols, 2007, 2, 2796-2806.	12.0	38
64	Male choice generates stabilizing sexual selection on a female fecundity correlate. Journal of Evolutionary Biology, 2007, 20, 1745-1750.	1.7	43
65	THE ROLES OF NATURAL AND SEXUAL SELECTION DURING ADAPTATION TO A NOVEL ENVIRONMENT. Evolution; International Journal of Organic Evolution, 2006, 60, 2218-2225.	2.3	104
66	Can non-directional male mating preferences facilitate honest female ornamentation?. Ecology Letters, 2006, 9, 179-184.	6.4	98
67	Dissecting the complex genetic basis of mate choice. Nature Reviews Genetics, 2006, 7, 681-692.	16.3	90
68	THE ROLES OF NATURAL AND SEXUAL SELECTION DURING ADAPTATION TO A NOVEL ENVIRONMENT. Evolution; International Journal of Organic Evolution, 2006, 60, 2218.	2.3	26
69	The use of transcriptional profiles to predict adult mosquito age under field conditions. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18060-18065.	7.1	99
70	The roles of natural and sexual selection during adaptation to a novel environment. Evolution; International Journal of Organic Evolution, 2006, 60, 2218-25.	2.3	34
71	Phenotypic Divergence along Lines of Genetic Variance. American Naturalist, 2005, 165, 32-43.	2.1	140
72	Divergent Selection and the Evolution of Signal Traits and Mating Preferences. PLoS Biology, 2005, 3, e368.	5.6	167

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73	Genetic variance in female condition predicts indirect genetic variance in male sexual display traits. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 6045-6050.	7.1	135
74	Contrasting Mutual Sexual Selection on Homologous Signal Traits in Drosophila serrata. American Naturalist, 2005, 165, 281-289.	2.1	235
75	MULTIVARIATE QUANTITATIVE GENETICS AND THE LEK PARADOX: GENETIC VARIANCE IN MALE SEXUALLY SELECTED TRAITS OF DROSOPHILA SERRATA UNDER FIELD CONDITIONS. Evolution; International Journal of Organic Evolution, 2004, 58, 2754.	2.3	30
76	Orientation of the Genetic Varianceâ€Covariance Matrix and the Fitness Surface for Multiple Male Sexually Selected Traits. American Naturalist, 2004, 163, 329-340.	2.1	237
77	MULTIVARIATE QUANTITATIVE GENETICS AND THE LEK PARADOX: GENETIC VARIANCE IN MALE SEXUALLY SELECTED TRAITS OF DROSOPHILA SERRATA UNDER FIELD CONDITIONS. Evolution; International Journal of Organic Evolution, 2004, 58, 2754-2762.	2.3	101
78	Oceanic interchange and nonequilibrium population structure in the estuarine dependent Indoâ€Pacific tasselfish, Polynemus sheridani. Molecular Ecology, 2003, 12, 2387-2397.	3.9	33
79	SIGNAL TRAIT SEXUAL DIMORPHISM AND MUTUAL SEXUAL SELECTION IN DROSOPHILA SERRATA. Evolution; International Journal of Organic Evolution, 2003, 57, 2326-2334.	2.3	104
80	SIGNAL TRAIT SEXUAL DIMORPHISM AND MUTUAL SEXUAL SELECTION IN DROSOPHILA SERRATA. Evolution; International Journal of Organic Evolution, 2003, 57, 2326.	2.3	13
81	Speciation and phylogeography in Caridina indistincta, a complex of freshwater shrimps from Australian heathland streams. Marine and Freshwater Research, 2003, 54, 807.	1.3	29
82	Phylogeography of the pipefish, Urocampus carinirostris , suggests secondary intergradation of ancient lineages. Marine Biology, 2002, 141, 541-547.	1.5	17
83	Natural Selection and the Reinforcement of Mate Recognition. Science, 2000, 290, 519-521.	12.6	285
84	Strong genetic structuring in a habitat specialist, the Oxleyan Pygmy Perch Nannoperca oxleyana. Heredity, 1999, 83, 5-14.	2.6	54
85	Concordance between dispersal and mitochondrial gene flow: isolation by distance in a tropical teleost, Lates calcarifer (Australian barramundi). Heredity, 1998, 80, 187-197.	2.6	82
86	When oceans meet: a teleost shows secondary intergradation at an Indianâ€“Pacific interface. Proceedings of the Royal Society B: Biological Sciences, 1998, 265, 415-420.	2.6	110
87	Concordance between dispersal and mitochondrial gene flow: isolation by distance in a tropical teleost, Lates calcarifer (Australian barramundi). Heredity, 1998, 80, 187-197.	2.6	18
88	Genetic population structure of the catadromous Perciform:Macquaria novemaculeata(Percichthyidae). Journal of Fish Biology, 1997, 50, 721-733.	1.6	19