

Stephen F Chenoweth

List of Publications by Year in descending order

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88
papers

5,382
citations

87888

38
h-index

95266

68
g-index

95
all docs

95
docs citations

95
times ranked

4065
citing authors

#	ARTICLE	IF	CITATIONS
1	Intralocus sexual conflict. <i>Trends in Ecology and Evolution</i> , 2009, 24, 280-288.	8.7	670
2	Natural Selection and the Reinforcement of Mate Recognition. <i>Science</i> , 2000, 290, 519-521.	12.6	285
3	Orientation of the Genetic Variance–Covariance Matrix and the Fitness Surface for Multiple Male Sexually Selected Traits. <i>American Naturalist</i> , 2004, 163, 329-340.	2.1	237
4	Contrasting Mutual Sexual Selection on Homologous Signal Traits in <i>Drosophila serrata</i> . <i>American Naturalist</i> , 2005, 165, 281-289.	2.1	235
5	Divergent Selection and the Evolution of Signal Traits and Mating Preferences. <i>PLoS Biology</i> , 2005, 3, e368.	5.6	167
6	Phenotypic Divergence along Lines of Genetic Variance. <i>American Naturalist</i> , 2005, 165, 32-43.	2.1	140
7	Genetic variance in female condition predicts indirect genetic variance in male sexual display traits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 6045-6050.	7.1	135
8	Wolbachia Reduces the Transmission Potential of Dengue-Infected <i>Aedes aegypti</i> . <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003894.	3.0	128
9	The Contribution of Selection and Genetic Constraints to Phenotypic Divergence. <i>American Naturalist</i> , 2010, 175, 186-196.	2.1	121
10	Genetic Constraints and the Evolution of Display Trait Sexual Dimorphism by Natural and Sexual Selection. <i>American Naturalist</i> , 2008, 171, 22-34.	2.1	111
11	When oceans meet: a teleost shows secondary intergradation at an Indian–Pacific interface. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998, 265, 415-420.	2.6	110
12	SIGNAL TRAIT SEXUAL DIMORPHISM AND MUTUAL SEXUAL SELECTION IN <i>DROSOPHILA SERRATA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 2326-2334.	2.3	104
13	THE ROLES OF NATURAL AND SEXUAL SELECTION DURING ADAPTATION TO A NOVEL ENVIRONMENT. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 2218-2225.	2.3	104
14	MULTIVARIATE QUANTITATIVE GENETICS AND THE LEK PARADOX: GENETIC VARIANCE IN MALE SEXUALLY SELECTED TRAITS OF <i>DROSOPHILA SERRATA</i> UNDER FIELD CONDITIONS. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 2754-2762.	2.3	101
15	The use of transcriptional profiles to predict adult mosquito age under field conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18060-18065.	7.1	99
16	Can non-directional male mating preferences facilitate honest female ornamentation?. <i>Ecology Letters</i> , 2006, 9, 179-184.	6.4	98
17	Sex-Specific Fitness Consequences of Nutrient Intake and the Evolvability of Diet Preferences. <i>American Naturalist</i> , 2013, 182, 91-102.	2.1	93
18	The Genomics of Sexual Conflict. <i>American Naturalist</i> , 2018, 192, 274-286.	2.1	93

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19	Dissecting the complex genetic basis of mate choice. <i>Nature Reviews Genetics</i> , 2006, 7, 681-692.	16.3	90
20	Genomic Evidence that Sexual Selection Impedes Adaptation to a Novel Environment. <i>Current Biology</i> , 2015, 25, 1860-1866.	3.9	90
21	Characterizing the evolution of genetic variance using genetic covariance tensors. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 1567-1578.	4.0	88
22	The origin and maintenance of metabolic allometry in animals. <i>Nature Ecology and Evolution</i> , 2019, 3, 598-603.	7.8	86
23	Effective but Costly, Evolved Mechanisms of Defense against a Virulent Opportunistic Pathogen in <i>Drosophila melanogaster</i> . <i>PLoS Pathogens</i> , 2009, 5, e1000385.	4.7	83
24	Concordance between dispersal and mitochondrial gene flow: isolation by distance in a tropical teleost, <i>Lates calcarifer</i> (Australian barramundi). <i>Heredity</i> , 1998, 80, 187-197.	2.6	82
25	The Genetic Basis of Sexually Selected Variation. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2010, 41, 81-101.	8.3	82
26	Natural Genetic Variation in Cuticular Hydrocarbon Expression in Male and Female <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2007, 175, 1465-1477.	2.9	74
27	CLINES IN CUTICULAR HYDROCARBONS IN TWO DROSOPHILA SPECIES WITH INDEPENDENT POPULATION HISTORIES. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 1784-1794.	2.3	70
28	THE B-MATRIX HARBORS SIGNIFICANT AND SEX-SPECIFIC CONSTRAINTS ON THE EVOLUTION OF MULTICHAACTER SEXUAL DIMORPHISM. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 2106-2116.	2.3	68
29	QST MEETS THE G MATRIX: THE DIMENSIONALITY OF ADAPTIVE DIVERGENCE IN MULTIPLE CORRELATED QUANTITATIVE TRAITS. <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 1437-1449.	2.3	62
30	Selection on <i>Aedes aegypti</i> alters Wolbachia-mediated dengue virus blocking and fitness. <i>Nature Microbiology</i> , 2019, 4, 1832-1839.	13.3	62
31	Quantitative genetic variation for thermal performance curves within and among natural populations of <i>Drosophila serrata</i> . <i>Journal of Evolutionary Biology</i> , 2011, 24, 965-975.	1.7	59
32	EXPERIMENTAL EVIDENCE FOR THE EVOLUTION OF INDIRECT GENETIC EFFECTS: CHANGES IN THE INTERACTION EFFECT COEFFICIENT, Ψ_i , DUE TO SEXUAL SELECTION. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 1849-1856.	2.3	58
33	The <i>pdm3</i> Locus Is a Hotspot for Recurrent Evolution of Female-Limited Color Dimorphism in <i>Drosophila</i> . <i>Current Biology</i> , 2016, 26, 2412-2422.	3.9	57
34	Strong genetic structuring in a habitat specialist, the Oxleyan Pygmy Perch <i>Nannoperca oxleyana</i> . <i>Heredity</i> , 1999, 83, 5-14.	2.6	54
35	Dominance reversals and the maintenance of genetic variation for fitness. <i>PLoS Biology</i> , 2019, 17, e3000118.	5.6	53
36	Comparing Complex Fitness Surfaces: Among-Population Variation in Mutual Sexual Selection in <i>Drosophila serrata</i> . <i>American Naturalist</i> , 2008, 171, 443-454.	2.1	49

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37	The Nature and Extent of Mutational Pleiotropy in Gene Expression of Male <i>Drosophila serrata</i> . <i>Genetics</i> , 2014, 196, 911-921.	2.9	46
38	The diversification of mate preferences by natural and sexual selection. <i>Journal of Evolutionary Biology</i> , 2009, 22, 1608-1615.	1.7	45
39	Male choice generates stabilizing sexual selection on a female fecundity correlate. <i>Journal of Evolutionary Biology</i> , 2007, 20, 1745-1750.	1.7	43
40	On the evolution of heightened condition dependence of male sexual displays. <i>Journal of Evolutionary Biology</i> , 2011, 24, 685-692.	1.7	43
41	THE EVOLUTIONARY STABILITY OF CROSS-SEX, CROSS-TRAIT GENETIC COVARIANCES. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 1687-1697.	2.3	40
42	Predicting the age of mosquitoes using transcriptional profiles. <i>Nature Protocols</i> , 2007, 2, 2796-2806.	12.0	38
43	Pleiotropic Mutations Are Subject to Strong Stabilizing Selection. <i>Genetics</i> , 2014, 197, 1051-1062.	2.9	38
44	The Genomic Distribution of Sex-Biased Genes in <i>Drosophila serrata</i> : X Chromosome Demasculinization, Feminization, and Hyperexpression in Both Sexes. <i>Genome Biology and Evolution</i> , 2013, 5, 1986-1994.	2.5	34
45	The roles of natural and sexual selection during adaptation to a novel environment. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 2218-25.	2.3	34
46	Oceanic interchange and nonequilibrium population structure in the estuarine dependent Indo-Pacific tasselfish, <i>Polynemus sheridani</i> . <i>Molecular Ecology</i> , 2003, 12, 2387-2397.	3.9	33
47	Polyandry and paternity skew in natural and experimental populations of <i>Drosophila serrata</i> . <i>Molecular Ecology</i> , 2008, 17, 1589-1596.	3.9	32
48	MULTIVARIATE QUANTITATIVE GENETICS AND THE LEK PARADOX: GENETIC VARIANCE IN MALE SEXUALLY SELECTED TRAITS OF <i>DROSOPHILA SERRATA</i> UNDER FIELD CONDITIONS. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 2754.	2.3	30
49	Evolutionary potential of the extrinsic incubation period of dengue virus in <i>Aedes aegypti</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 2459-2469.	2.3	30
50	Speciation and phylogeography in <i>Caridina indistincta</i> , a complex of freshwater shrimps from Australian heathland streams. <i>Marine and Freshwater Research</i> , 2003, 54, 807.	1.3	29
51	STRONGER CONVEX (STABILIZING) SELECTION ON HOMOLOGOUS SEXUAL DISPLAY TRAITS IN FEMALES THAN IN MALES: A MULTIPOPULATION COMPARISON IN <i>DROSOPHILA SERRATA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 893-899.	2.3	27
52	Genetic constraints on microevolutionary divergence of sex-biased gene expression. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170427.	4.0	27
53	THE ROLES OF NATURAL AND SEXUAL SELECTION DURING ADAPTATION TO A NOVEL ENVIRONMENT. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 2218.	2.3	26
54	An expressed sequence tag (EST) library for <i>Drosophila serrata</i> , a model system for sexual selection and climatic adaptation studies. <i>BMC Genomics</i> , 2009, 10, 40.	2.8	26

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55	The Phenome-Wide Distribution of Genetic Variance. <i>American Naturalist</i> , 2015, 186, 15-30.	2.1	26
56	Sex-biased transcriptome divergence along a latitudinal gradient. <i>Molecular Ecology</i> , 2017, 26, 1256-1272.	3.9	25
57	Family level variation in Wolbachia-mediated dengue virus blocking in <i>Aedes aegypti</i> . <i>Parasites and Vectors</i> , 2017, 10, 622.	2.5	25
58	Zebrafish take their cue from temperature but not photoperiod for the seasonal plasticity of thermal performance. <i>Journal of Experimental Biology</i> , 2010, 213, 3705-3709.	1.7	24
59	Single-Molecule Sequencing of the <i>Drosophila serrata</i> Genome. <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 781-788.	1.8	24
60	A Genomic Reference Panel for <i>Drosophila serrata</i> . <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 1335-1346.	1.8	23
61	SEX-SPECIFIC PATTERNS OF MORPHOLOGICAL DIVERSIFICATION: EVOLUTION OF REACTION NORMS AND STATIC ALLOMETRIES IN NERIID FLIES. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 368-383.	2.3	22
62	Interspecific Divergence of Transcription Networks along Lines of Genetic Variance in <i>Drosophila</i> : Dimensionality, Evolvability, and Constraint. <i>Molecular Biology and Evolution</i> , 2013, 30, 1358-1367.	8.9	21
63	Physical and Linkage Maps for <i>Drosophila serrata</i> , a Model Species for Studies of Clinal Adaptation and Sexual Selection. <i>G3: Genes, Genomes, Genetics</i> , 2012, 2, 287-297.	1.8	19
64	THE CONTRIBUTION OF SPONTANEOUS MUTATIONS TO THERMAL SENSITIVITY CURVE VARIATION IN <i>DROSOPHILA SERRATA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 1824-1837.	2.3	19
65	Genetic population structure of the catadromous Perciform: <i>Macquaria novemaculeata</i> (Percichthyidae). <i>Journal of Fish Biology</i> , 1997, 50, 721-733.	1.6	19
66	Concordance between dispersal and mitochondrial gene flow: isolation by distance in a tropical teleost, <i>Lates calcarifer</i> (Australian barramundi). <i>Heredity</i> , 1998, 80, 187-197.	2.6	18
67	Phylogeography of the pipefish, <i>Urocampus carinirostris</i> , suggests secondary intergradation of ancient lineages. <i>Marine Biology</i> , 2002, 141, 541-547.	1.5	17
68	HIGH-DIMENSIONAL VARIANCE PARTITIONING REVEALS THE MODULAR GENETIC BASIS OF ADAPTIVE DIVERGENCE IN GENE EXPRESSION DURING REPRODUCTIVE CHARACTER DISPLACEMENT. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 3126-3137.	2.3	15
69	Artificial Selection Finds New Hypotheses for the Mechanism of Wolbachia-Mediated Dengue Blocking in Mosquitoes. <i>Frontiers in Microbiology</i> , 2020, 11, 1456.	3.5	15
70	The relative importance of genetic and nongenetic inheritance in relation to trait plasticity in <i>allosobruchus maculatus</i> . <i>Journal of Evolutionary Biology</i> , 2012, 25, 2422-2431.	1.7	14
71	Mutational Pleiotropy and the Strength of Stabilizing Selection Within and Between Functional Modules of Gene Expression. <i>Genetics</i> , 2018, 208, 1601-1616.	2.9	14
72	The transcriptional response of <i>Aedes aegypti</i> with variable extrinsic incubation periods for dengue virus. <i>Genome Biology and Evolution</i> , 2018, 10, 3141-3151.	2.5	14

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73	Natural variation at a single gene generates sexual antagonism across fitness components in <i>Drosophila</i> . <i>Current Biology</i> , 2022, 32, 3161-3169.e7.	3.9	14
74	SIGNAL TRAIT SEXUAL DIMORPHISM AND MUTUAL SEXUAL SELECTION IN <i>DROSOPHILA SERRATA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 2326.	2.3	13
75	Connecting thermal performance curve variation to the genotype: a multivariate QTL approach. <i>Journal of Evolutionary Biology</i> , 2015, 28, 155-168.	1.7	12
76	Artificial selection reveals sex differences in the genetic basis of sexual attractiveness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5498-5503.	7.1	11
77	Integrating genomics and multivariate evolutionary quantitative genetics: a case study of constraints on sexual selection in <i>Drosophila serrata</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211785.	2.6	9
78	Association Mapping in Outbred Populations: Power and Efficiency When Genotyping Parents and Phenotyping Progeny. <i>Genetics</i> , 2009, 181, 755-765.	2.9	8
79	Sexual selection on spontaneous mutations strengthens the between-sex genetic correlation for fitness. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 2398-2409.	2.3	8
80	Testing the correlated response hypothesis for the evolution and maintenance of male mating preferences in <i>Drosophila serrata</i> . <i>Journal of Evolutionary Biology</i> , 2014, 27, 2106-2112.	1.7	6
81	The impact of artificial selection for Wolbachia-mediated dengue virus blocking on phage WO. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009637.	3.0	6
82	Analyzing and Comparing the Geometry of Individual Fitness Surfaces. , 2013, , 126-149.		6
83	Genetic and social contributions to sex differences in lifespan in <i>Drosophila serrata</i> . <i>Journal of Evolutionary Biology</i> , 2022, 35, 657-663.	1.7	4
84	Polymorphisms in a <i>desaturase 2</i> ortholog associate with cuticular hydrocarbon and male mating success variation in a natural population of <i>Drosophila serrata</i> . <i>Journal of Evolutionary Biology</i> , 2015, 28, 1600-1609.	1.7	3
85	Testing for a genetic response to sexual selection in a wild <i>Drosophila</i> population. <i>Journal of Evolutionary Biology</i> , 2016, 29, 1278-1283.	1.7	2
86	Variation and selection on preference functions: a comment on Edward. <i>Behavioral Ecology</i> , 2015, 26, 322-323.	2.2	1
87	Allowing nature to be nurture: a comment on Bailey et al.. <i>Behavioral Ecology</i> , 2018, 29, 16-17.	2.2	1
88	THE B-MATRIX HARBORS SIGNIFICANT AND SEX-SPECIFIC CONSTRAINTS ON THE EVOLUTION OF MULTICHARACTER SEXUAL DIMORPHISM. <i>Evolution; International Journal of Organic Evolution</i> , 2012, , no-no.	2.3	0