John R Stinchcombe

List of Publications by Year
in descending order

108 papers	7,481 citations	66234 42 h-index	62479 80 g-index
129 all docs	129 docs citations	129 times ranked	8173 citing authors

#	Article	IF	Citations
1	Selective ancestral sorting and de novo evolution in the agricultural invasion of Amaranthus tuberculatus. Evolution; International Journal of Organic Evolution, 2022, 76, 70-85.	1.1	8
2	Repeated origins, widespread gene flow, and allelic interactions of target-site herbicide resistance mutations. ELife, 2022, 11, .	2.8	11
3	Priority effects alter interaction outcomes in a legumeâ€“rhizobium mutualism. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20202753.	1.2	13
4	Introduced populations of ragweed show as much evolutionary potential as native populations. Evolutionary Applications, 2021, 14, 1436-1449.	1.5	10
5	The genetic architecture and population genomic signatures of glyphosate resistance in Amaranthus tuberculatus. Molecular Ecology, 2021, 30, 5373-5389.	2.0	22
6	Multiple Mutualism Effects generate synergistic selection and strengthen fitness alignment in the interaction between legumes, rhizobia and mycorrhizal fungi. Ecology Letters, 2021, 24, 1824-1834.	3.0	18
7	Selection on Accessible Chromatin Regions inCapsella grandiflora. Molecular Biology and Evolution, 2021, 38, 5563-5575.	3.5	6
8	The remarkable morphological diversity of leaf shape in sweet potato (Ipomoea batatas): the influence of genetics, environment, and GÃ—E. New Phytologist, 2020, 225, 2183-2195.	3.5	32
9	The Potential for Genotype-by-Environment Interactions to Maintain Genetic Variation in a Model Legumeâ€“Rhizobia Mutualism. Plant Communications, 2020, 1, 100114.	3.6	7
10	Population genomics of parallel adaptation. Molecular Ecology, 2020, 29, 4033-4036.	2.0	7
11	Parallel flowering time clines in native and introduced ragweed populations are likely due to adaptation. Ecology and Evolution, 2020, 10, 4595-4608.	0.8	22
12	The Evolutionary Forces Shaping Cis- and Trans-Regulation of Gene Expression within a Population of Outcrossing Plants. Molecular Biology and Evolution, 2020, 37, 2386-2393.	3.5	13
13	Environmental variation impacts trait expression and selection in the legumeâ€“rhizobium symbiosis. American Journal of Botany, 2020, 107, 195-208.	0.8	21
14	(2786) Proposal to change the conserved type of Ipomoea, nom. cons. (Convolvulaceae). Taxon, 2020, 69, 1369-1371.	0.4	8
15	Population climatic history predicts phenotypic responses in novel environments for Arabidopsis thaliana in North America. American Journal of Botany, 2019, 106, 1068-1080.	0.8	7
16	Evaluating Population Genomic Candidate Genes Underlying Flowering Time in Arabidopsis thaliana Using T-DNA Insertion Lines. Journal of Heredity, 2019, 110, 445-454.	1.0	9
17	Transposable Elements Are Important Contributors to Standing Variation in Gene Expression in Capsella Grandiflora. Molecular Biology and Evolution, 2019, 36, 1734-1745.	3.5	34
18	Parental legacy, demography, and admixture influenced the evolution of the two subgenomes of the tetraploid Capsella bursa-pastoris (Brassicaceae). PLoS Genetics, 2019, 15, e1007949.	1.5	42

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19	Multiple modes of convergent adaptation in the spread of glyphosate-resistant Amaranthus tuberculatus. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21076-21084.	3.3	98
20	Cooperation and coexpression: How coexpression networks shift in response to multiple mutualists. Molecular Ecology, 2018, 27, 1860-1873.	2.0	21
21	Population Genomics of Herbicide Resistance: Adaptation via Evolutionary Rescue. Annual Review of Plant Biology, 2018, 69, 611-635.	8.6	80
22	More partners, more ranges: generalist legumes spread more easily around the globe. Biology Letters, 2018, 14, 20180616.	1.0	29
23	Genetic conflict with a parasitic nematode disrupts the legumeâ€“rhizobia mutualism. Evolution Letters, 2018, 2, 233-245.	1.6	42
24	A note on measuring natural selection on principal component scores. Evolution Letters, 2018, 2, 272-280.	1.6	30
25	Population genomic scans suggest novel genes underlie convergent flowering time evolution in the introduced range of Arabidopsis thaliana. Molecular Ecology, 2017, 26, 92-106.	2.0	24
26	What can genomeâ€wide association studies tell us about the evolutionary forces maintaining genetic variation for quantitative traits?. New Phytologist, 2017, 214, 21-33.	3.5	75
27	Explaining the apparent paradox of persistent selection for early flowering. New Phytologist, 2017, 215, 929-934.	3.5	79
28	Geographically structured genetic variation in theMedicago lupulinaâ€“Ensifermutualism. Evolution; International Journal of Organic Evolution, 2017, 71, 1787-1801.	1.1	25
29	How to measure natural selection. Methods in Ecology and Evolution, 2017, 8, 660-662.	2.2	2
30	Individual chambers for controlling crosses in windâ€pollinated plants. Methods in Ecology and Evolution, 2017, 8, 887-891.	2.2	10
31	The Relationship between Selection, Network Connectivity, and Regulatory Variation within a Population of Capsella grandiflora. Genome Biology and Evolution, 2017, 9, 1099-1109.	1.1	41
32	No evidence for adaptation to local rhizobial mutualists in the legume Medicago lupulina. Ecology and Evolution, 2017, 7, 4367-4376.	0.8	24
33	A window into the transcriptomic basis of genotypeâ€byâ€genotype interactions in the legumeâ€“rhizobia mutualism. Molecular Ecology, 2017, 26, 5869-5871.	2.0	7
34	Nitrogen addition does not influence preâ€infection partner choice in the legumeâ€“rhizobium symbiosis. American Journal of Botany, 2016, 103, 1763-1770.	0.8	26
35	Multiple mutualist effects on genomewide expression in the tripartite association between Medicago truncatula, nitrogenâ€fixing bacteria and mycorrhizal fungi. Molecular Ecology, 2016, 25, 4946-4962.	2.0	51
36	Standing genetic variation in a tissue-specific enhancer underlies selfing-syndrome evolution in Capsella. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13911-13916.	3.3	50

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37	Temporal patterns of damage and decay kinetics of DNA retrieved from plant herbarium specimens. Royal Society Open Science, 2016, 3, 160239.	1.1	108
38	Quantitative genetic variance in experimental fly populations evolving with or without environmental heterogeneity. Evolution; International Journal of Organic Evolution, 2015, 69, 2735-2746.	1.1	19
39	Genetic Variation, Simplicity, and Evolutionary Constraints for Function-Valued Traits. American Naturalist, 2015, 185, E166-E181.	1.0	15
40	Divergent sorting of a balanced ancestral polymorphism underlies the establishment of gene-flow barriers in Capsella. Nature Communications, 2015, 6, 7960.	5.8	81
41	Association mapping reveals the role of purifying selection in the maintenance of genomic variation in gene expression. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15390-15395.	3.3	92
42	Short-term fertilizer application alters phenotypic traits of symbiotic nitrogen fixing bacteria. PeerJ, 2015, 3, e1291.	0.9	27
43	Water availability as an agent of selection in introduced populations ofArabidopsis thaliana: impacts on flowering time evolution. PeerJ, 2015, 3, e898.	0.9	9
44	Population Dynamics and Evolutionary History of the Weedy VineIpomoea hederaceain North America. G3: Genes, Genomes, Genetics, 2014, 4, 1407-1416.	0.8	9
45	Identifying the genes underlying quantitative traits: a rationale for the QTN programme. AoB PLANTS, 2014, 6, .	1.2	54
46	Herbivory eliminates fitness costs of mutualism exploiters. New Phytologist, 2014, 202, 651-661.	3.5	52
47	Standing genetic variation in host preference for mutualist microbial symbionts. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20142036.	1.2	47
48	ESTIMATING UNCERTAINTY IN MULTIVARIATE RESPONSES TO SELECTION. Evolution; International Journal of Organic Evolution, 2014, 68, 1188-1196.	1.1	44
49	EXPLAINING MUTUALISM VARIATION: A NEW EVOLUTIONARY PARADOX?. Evolution; International Journal of Organic Evolution, 2014, 68, 309-317.	1.1	126
50	Quantitative genetic variance and multivariate clines in the Ivyleaf morning glory, Ipomoea hederacea. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130259.	1.8	28
51	Repeated Evolutionary Changes of Leaf Morphology Caused by Mutations to a Homeobox Gene. Current Biology, 2014, 24, 1880-1886.	1.8	105
52	Reduced plant competition among kin can be explained by Jensen's inequality. Ecology and Evolution, 2014, 4, 4454-4466.	0.8	29
53	Cross-pollination of plants and animals: wild quantitative genetics and plant evolutionary genetics. , 2014, , 128-146.		12
54	An atlas of over 90,000 conserved noncoding sequences provides insight into crucifer regulatory regions. Nature Genetics, 2013, 45, 891-898.	9.4	350

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55	Natural selection maintains a singleâ€locus leaf shape cline in Ivyleaf morning glory, <scp>I</scp>pomoea hederacea. Molecular Ecology, 2013, 22, 552-564.	2.0	54
56	Visualizing genetic constraints. Annals of Applied Statistics, 2013, 7, .	0.5	5
57	A multivariate view of the evolution of sexual dimorphism. Journal of Evolutionary Biology, 2013, 26, 2070-2080.	0.8	59
58	The effect of leaf shape on the thermoregulation and frost tolerance of an annual vine, Ipomoea hederacea (Convolvulaceae). American Journal of Botany, 2013, 100, 2175-2182.	0.8	13
59	Testing potential selective agents acting on leaf shape in <scp>I</scp>pomoea hederacea: predictions based on an adaptive leaf shape cline. Ecology and Evolution, 2013, 3, 2409-2423.	0.8	14
60	Mapping the Genetic Basis of Symbiotic Variation in Legume-Rhizobium Interactions inMedicago truncatula. G3: Genes, Genomes, Genetics, 2012, 2, 1291-1303.	0.8	21
61	Genetics and evolution of function-valued traits: understanding environmentally responsive phenotypes. Trends in Ecology and Evolution, 2012, 27, 637-647.	4.2	176
62	Early Developmental Responses to Seedling Environment Modulate Later Plasticity to Light Spectral Quality. PLoS ONE, 2012, 7, e34121.	1.1	6
63	Longitudinal trends in climate drive flowering time clines in North American Arabidopsis thaliana. Ecology and Evolution, 2012, 2, 1162-1180.	0.8	65
64	Coevolutionary genetic variation in the legumeâ€rhizobium transcriptome. Molecular Ecology, 2012, 21, 4735-4747.	2.0	53
65	Morning glory as a powerful model in ecological genomics: tracing adaptation through both natural and artificial selection. Heredity, 2011, 107, 377-385.	1.2	27
66	ACROSS-ENVIRONMENT GENETIC CORRELATIONS AND THE FREQUENCY OF SELECTIVE ENVIRONMENTS SHAPE THE EVOLUTIONARY DYNAMICS OF GROWTH RATE IN IMPATIENS CAPENSIS. Evolution; International Journal of Organic Evolution, 2010, 64, no-no.	1.1	38
67	Mutualism variation in the nodulation response to nitrate. Journal of Evolutionary Biology, 2010, 23, 2494-2500.	0.8	89
68	Floral Genetic Architecture: An Examination of QTL Architecture Underlying Floral (Co)Variation Across Environments. Genetics, 2010, 186, 1451-1465.	1.2	27
69	Quantifying Evolutionary Genetic Constraints in the Ivyleaf Morning Glory,Ipomoea hederacea. International Journal of Plant Sciences, 2010, 171, 972-986.	0.6	52
70	Polymorphic Genes of Major Effect: Consequences for Variation, Selection and Evolution in Arabidopsis thaliana. Genetics, 2009, 182, 911-922.	1.2	28
71	Evolution in plant populations as a driver of ecological changes in arthropod communities. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 1593-1605.	1.8	91
72	How much do genetic covariances alter the rate of adaptation?. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 1183-1191.	1.2	240

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73	Indirect effects of FRIGIDA: floral trait (co)variances are altered by seasonally variable abiotic factors associated with flowering time. Journal of Evolutionary Biology, 2009, 22, 1826-1838.	0.8	21
74	Interspecific competition alters natural selection on shade avoidance phenotypes in Impatiens capensis. New Phytologist, 2009, 183, 880-891.	3.5	32
75	Leaf shape variation and herbivore consumption and performance: a case study with Ipomoea hederacea and three generalists. Arthropod-Plant Interactions, 2008, 2, 9-19.	0.5	13
76	ESTIMATING NONLINEAR SELECTION GRADIENTS USING QUADRATIC REGRESSION COEFFICIENTS: DOUBLE OR NOTHING?. Evolution; International Journal of Organic Evolution, 2008, 62, 2435-2440.	1.1	425
77	DISCORDANT LONGITUDINAL CLINES IN FLOWERING TIME ANDPHYTOCHROME CINARABIDOPSIS THALIANA. Evolution; International Journal of Organic Evolution, 2008, 62, 2971-2983.	1.1	62
78	ECOLOGICAL GENOMICS OF MODEL EUKARYOTES¹. Evolution; International Journal of Organic Evolution, 2008, 62, 2953-2957.	1.1	12
79	Combining population genomics and quantitative genetics: finding the genes underlying ecologically important traits. Heredity, 2008, 100, 158-170.	1.2	534
80	A latitudinal cline and response to vernalization in leaf angle and morphology inArabidopsis thaliana(Brassicaceae). New Phytologist, 2008, 179, 155-164.	3.5	60
81	Leaf variegation is associated with reduced herbivore damage in Hydrophyllum virginianum. Botany, 2008, 86, 306-313.	0.5	40
82	An emerging synthesis between community ecology and evolutionary biology. Trends in Ecology and Evolution, 2007, 22, 250-257.	4.2	391
83	Fitness Effects Associated with the Major Flowering Time Gene FRIGIDA in Arabidopsis thaliana in the Field. American Naturalist, 2007, 169, E141-E157.	1.0	151
84	Induced responses in Ipomoea hederacea: simulated mammalian herbivory induces resistance and susceptibility to insect herbivores. Arthropod-Plant Interactions, 2007, 1, 129-136.	0.5	9
85	Ecosystem engineers as selective agents: the effects of leaf litter on emergence time and early growth in Impatiens capensis. Ecology Letters, 2006, 9, 258-270.	3.0	28
86	Measuring Natural Selection on Proportional Traits: Comparisons of Three Types of Selection Estimates for Resistance and Susceptibility to Herbivore Damage. Evolutionary Ecology, 2005, 19, 363-373.	0.5	22
87	Vernalization sensitivity in Arabidopsis thaliana (Brassicaceae): the effects of latitude and FLC variation. American Journal of Botany, 2005, 92, 1701-1707.	0.8	56
88	Intraspecific variation in the strength of density dependence in aphid populations. Ecological Entomology, 2004, 29, 521-526.	1.1	48
89	Epistatic interaction between Arabidopsis FRI and FLC flowering time genes generates a latitudinal cline in a life history trait. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15670-15675.	3.3	336
90	A latitudinal cline in flowering time in Arabidopsis thaliana modulated by the flowering time gene FRIGIDA. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4712-4717.	3.3	458

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91	Linkage Disequilibrium Mapping of Arabidopsis CRY2 Flowering Time AllelesSequence data from this article have been deposited with the EMBL/GenBank Data Libraries under accession nos. AY576055, AY576271.. Genetics, 2004, 167, 1361-1369.	1.2	106
92	Evolution of plant resistance and tolerance to frost damage. Ecology Letters, 2004, 7, 1199-1208.	3.0	154
93	Natural selection on light response curve parameters in the herbaceous annual, Impatiens capensis. Oecologia, 2004, 139, 487-494.	0.9	36
94	Flowering time plasticity in Arabidopsis thaliana: a reanalysis of Westerman & Lawrence (1970). Journal of Evolutionary Biology, 2003, 17, 197-207.	0.8	64
95	QTL architecture of resistance and tolerance traits in Arabidopsis thaliana in natural environments. Molecular Ecology, 2003, 12, 1153-1163.	2.0	85
96	EVOLUTIONARY GENETICS OF RESISTANCE AND TOLERANCE TO NATURAL HERBIVORY IN ARABIDOPSIS THALIANA. Evolution; International Journal of Organic Evolution, 2003, 57, 1270-1280.	1.1	98
97	EVOLUTIONARY GENETICS OF RESISTANCE AND TOLERANCE TO NATURAL HERBIVORY IN ARABIDOPSIS THALIANA. Evolution; International Journal of Organic Evolution, 2003, 57, 1270.	1.1	8
98	The Adaptive Evolution of Plasticity: Phytochrome-Mediated Shade Avoidance Responses. Integrative and Comparative Biology, 2003, 43, 459-469.	0.9	178
99	Testing for Environmentally Induced Bias in Phenotypic Estimates of Natural Selection: Theory and Practice. American Naturalist, 2002, 160, 511-523.	1.0	219
100	The evolution of tolerance to deer herbivory: modifications caused by the abundance of insect herbivores. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 1241-1246.	1.2	92
101	ENVIRONMENTAL DEPENDENCY IN THE EXPRESSION OF COSTS OF TOLERANCE TO DEER HERBIVORY. Evolution; International Journal of Organic Evolution, 2002, 56, 1063.	1.1	4
102	POPULATION VIABILITY ANALYSIS IN ENDANGERED SPECIES RECOVERY PLANS: PAST USE AND FUTURE IMPROVEMENTS. , 2002, 12, 708-712.		110
103	Fitness consequences of cotyledon and mature-leaf damage in the ivyleaf morning glory. Oecologia, 2002, 131, 220-226.	0.9	19
104	ENVIRONMENTAL DEPENDENCY IN THE EXPRESSION OF COSTS OF TOLERANCE TO DEER HERBIVORY. Evolution; International Journal of Organic Evolution, 2002, 56, 1063-1067.	1.1	39
105	Can tolerance traits impose selection on herbivores?. Evolutionary Ecology, 2002, 16, 595-602.	0.5	37
106	The Influence of the Academic Conservation Biology Literature on Endangered Species Recovery Planning. Ecology and Society, 2002, 6, .	0.9	25
107	Relationships between ecological interaction modifications and diffuse coevolution: similarities, differences, and causal links. Oikos, 2001, 95, 353-360.	1.2	71
108	Diffuse Selection on Resistance to Deer Herbivory in the Ivyleaf Morning Glory,Ipomoea hederacea. American Naturalist, 2001, 158, 376-388.	1.0	141