Stephen I Wright

List of Publications by Year in descending order

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127 papers 13,355 citations

53 h-index 25716 108 g-index

173 all docs

173 docs citations

173 times ranked

12987 citing authors

#	Article	IF	CITATIONS
1	Selective ancestral sorting and de novo evolution in the agricultural invasion of <i>Amaranthus tuberculatus</i> . 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	Recombination landscape dimorphism and sex chromosome evolution in the dioecious plant <i>Rumex hastatulus </i> . Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20210226.	1.8	9
4	The relative role of plasticity and demographic history in <i>Capsella bursa-pastoris</i> : a common garden experiment in Asia and Europe. AoB PLANTS, 2022, 14, .	1.2	4
5	Effects of the neoâ€X chromosome on genomic signatures of hybridization in <i>Rumex hastatulus</i> . Molecular Ecology, 2022, 31, 3708-3721.	2.0	3
6	Widespread Recombination Suppression Facilitates Plant Sex Chromosome Evolution. Molecular Biology and Evolution, 2021, 38, 1018-1030.	3.5	42
7	Convergent Adaptation to Quantitative Host Resistance in a Major Plant Pathogen. MBio, 2021, 12, .	1.8	4
8	Deborah Charlesworth, winner of the society for the study of evolution's inaugural lifetime achievement award: Evolutionary biology for the genomics era. Evolution; International Journal of Organic Evolution, 2021, 75, 566-568.	1.1	0
9	The genetic architecture and population genomic signatures of glyphosate resistance in <i>Amaranthus tuberculatus</i> . Molecular Ecology, 2021, 30, 5373-5389.	2.0	22
10	New genomic resources and comparative analyses reveal differences in floral gene expression in selfing and outcrossing Collinsia sister species. G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	8
11	Patterns and Causes of Signed Linkage Disequilibria in Flies and Plants. Molecular Biology and Evolution, 2021, 38, 4310-4321.	3.5	12
12	Interacting evolutionary pressures drive mutation dynamics and health outcomes in aging blood. Nature Communications, 2021, 12, 4921.	5.8	11
13	Selection on Accessible Chromatin Regions in <i>Capsella grandiflora</i> . Molecular Biology and Evolution, 2021, 38, 5563-5575.	3.5	6
14	Ancestral and neoâ€sex chromosomes contribute to population divergence in a dioecious plant. Evolution; International Journal of Organic Evolution, 2020, 74, 256-269.	1.1	17
15	Evolutionary Genomics of Plant Gametophytic Selection. Plant Communications, 2020, 1, 100115.	3.6	28
16	Chromosome Evolution: Infectious Sex Chromosomes in the African Monarch Butterfly. Current Biology, 2020, 30, R657-R659.	1.8	0
17	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
18	Estimation of the SNP Mutation Rate in Two Vegetatively Propagating Species of Duckweed. G3: Genes, Genomes, Genetics, 2020, 10, 4191-4200.	0.8	19

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19	Opposing Evolutionary Pressures Drive Clonal Evolution and Health Outcomes in the Aging Blood System. Blood, 2020, 136, 37-37.	0.6	0
20	Population genomics of the facultatively asexual duckweed <i>Spirodela polyrhiza</i> Phytologist, 2019, 224, 1361-1371.	3. 5	43
21	Hybridization and a loss of sex shape genomeâ€wide diversity and the origin of species in the evening primroses (<i>Oenothera</i> , Onagraceae). New Phytologist, 2019, 224, 1372-1380.	3.5	16
22	Towards the new normal: Transcriptomic convergence and genomic legacy of the two subgenomes of an allopolyploid weed (Capsella bursa-pastoris). PLoS Genetics, 2019, 15, e1008131.	1.5	27
23	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
24	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
25	Multiple modes of convergent adaptation in the spread of glyphosate-resistant <i>Amaranthus tuberculatus</i> . Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21076-21084.	3.3	98
26	Long-term balancing selection drives evolution of immunity genes in Capsella. ELife, 2019, 8, .	2.8	69
27	Genome-wide nucleotide diversity and associations with geography, ploidy level and glucosinolate profiles in Aethionema arabicum (Brassicaceae). Plant Systematics and Evolution, 2018, 304, 619-630.	0.3	13
28	Population Genomics of Herbicide Resistance: Adaptation via Evolutionary Rescue. Annual Review of Plant Biology, 2018, 69, 611-635.	8.6	80
29	A less selfish view of genome size evolution in maize. PLoS Genetics, 2018, 14, e1007249.	1.5	4
30	The effects of haploid selection on Y chromosome evolution in two closely related dioecious plants. Evolution Letters, 2018, 2, 368-377.	1.6	26
31	Coalescence and Linkage Disequilibrium in Facultatively Sexual Diploids. Genetics, 2018, 210, 683-701.	1.2	23
32	Homeologueâ€specific expression divergence in the recently formed tetraploid <i>Capsella bursaâ€pastoris</i> (Brassicaceae). New Phytologist, 2018, 220, 624-635.	3.5	10
33	The problem of estimating recent genetic connectivity in a changing world. Conservation Biology, 2017, 31, 126-135.	2.4	48
34	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
35	Purifying and Positive Selection Influence Patterns of Gene Loss and Gene Expression in the Evolution of a Plant Sex Chromosome System. Molecular Biology and Evolution, 2017, 34, 1140-1154.	3.5	50
36	The genetic architecture of tristyly and its breakdown to selfâ€fertilization. Molecular Ecology, 2017, 26, 752-765.	2.0	9

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37	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
38	Hill-Robertson Interference Reduces Genetic Diversity on a Young Plant Y-Chromosome. Genetics, 2017, 207, 685-695.	1.2	30
39	Coevolution between transposable elements and recombination. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160458.	1.8	214
40	Genomic Loss and Silencing on the Y Chromosomes of Rumex. Genome Biology and Evolution, 2017, 9, 3345-3355.	1.1	16
41	Mutation Accumulation in an Asexual Relative of Arabidopsis. PLoS Genetics, 2017, 13, e1006550.	1.5	54
42	The influence of population structure on gene expression and flowering time variation in the ubiquitous weed ⟨i⟩⟨scp⟩C⟨/scp⟩apsella bursaâ€pastoris⟨/i⟩ (Brassicaceae). Molecular Ecology, 2016, 25, 1106-1121.	2.0	36
43	Spontaneous Chloroplast Mutants Mostly Occur by Replication Slippage and Show a Biased Pattern in the Plastome of <i>Oenothera</i> . Plant Cell, 2016, 28, 911-929.	3.1	49
44	Recent matingâ€system evolution in <i>Eichhornia</i> is accompanied by <i>cis</i> â€regulatory divergence. New Phytologist, 2016, 211, 697-707.	3.5	7
45	Charlesworth <i>et al.</i> on Background Selection and Neutral Diversity. Genetics, 2016, 204, 829-832.	1.2	2
46	Repeated Inactivation of the First Committed Enzyme Underlies the Loss of Benzaldehyde Emission after the Selfing Transition in Capsella. Current Biology, 2016, 26, 3313-3319.	1.8	43
47	Transposable element evolution in the allotetraploid <i>Capsella bursaâ€pastoris</i> . American Journal of Botany, 2016, 103, 1197-1202.	0.8	27
48	Standing genetic variation in a tissue-specific enhancer underlies selfing-syndrome evolution in <i>Capsella</i> . Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13911-13916.	3.3	50
49	Genomic signature of successful colonization of Eurasia by the allopolyploid shepherd's purse (<i>Capsella bursaâ€pastoris</i>). Molecular Ecology, 2016, 25, 616-629.	2.0	48
50	The Limits of Natural Selection in a Nonequilibrium World. Trends in Genetics, 2016, 32, 201-210.	2.9	98
51	Coalescent Times and Patterns of Genetic Diversity in Species with Facultative Sex: Effects of Gene Conversion, Population Structure, and Heterogeneity. Genetics, 2016, 202, 297-312.	1.2	35
52	On the Trail of Linked Selection. PLoS Genetics, 2016, 12, e1006240.	1.5	4
53	No evidence that sex and transposable elements drive genome size variation in evening primroses. Evolution; International Journal of Organic Evolution, 2015, 69, 1053-1062.	1.1	40
54	The Evolution of Selfing Is Accompanied by Reduced Efficacy of Selection and Purging of Deleterious Mutations. Genetics, 2015, 199, 817-829.	1.2	100

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55	Recurrent Loss of Sex Is Associated with Accumulation of Deleterious Mutations in Oenothera. Molecular Biology and Evolution, 2015, 32, 896-905.	3.5	82
56	Hybrid origins and the earliest stages of diploidization in the highly successful recent polyploid <i>Capsella bursa-pastoris</i> . Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2806-2811.	3.3	128
57	The butterfly plant arms-race escalated by gene and genome duplications. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8362-8366.	3.3	458
58	Selfish genetic elements and plant genome size evolution. Trends in Plant Science, 2015, 20, 195-196.	4.3	16
59	Divergent sorting of a balanced ancestral polymorphism underlies the establishment of gene-flow barriers in Capsella. Nature Communications, 2015, 6, 7960.	5.8	81
60	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
61	Genome-Wide Patterns of Genetic Variation within and among Alternative Selective Regimes. PLoS Genetics, 2014, 10, e1004527.	1.5	49
62	Evidence for Widespread Positive and Negative Selection in Coding and Conserved Noncoding Regions of Capsella grandiflora. PLoS Genetics, 2014, 10, e1004622.	1.5	128
63	MUTATIONISM 2.0: VIEWING EVOLUTION THROUGH MUTATION'S LENS. Evolution; International Journal of Organic Evolution, 2014, 68, 1225-1227.	1.1	0
64	Limited genomic consequences of mixed mating in the recently derived sister species pair, <i><scp>C</scp>ollinsia concolor</i> and <i><scp>C</scp>ollinsia parryi</i> Journal of Evolutionary Biology, 2014, 27, 1400-1412.	0.8	9
65	Chromosomal Distribution of Cytonuclear Genes in a Dioecious Plant with Sex Chromosomes. Genome Biology and Evolution, 2014, 6, 2439-2443.	1.1	9
66	Genetic degeneration of old and young Y chromosomes in the flowering plant <i>Rumex hastatulus</i> . Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7713-7718.	3.3	120
67	Mating system shifts and transposable element evolution in the plant genus Capsella. BMC Genomics, 2014, 15, 602.	1.2	61
68	The demography and population genomics of evolutionary transitions to self-fertilization in plants. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130344.	1.8	86
69	Repeated Evolutionary Changes of Leaf Morphology Caused by Mutations to a Homeobox Gene. Current Biology, 2014, 24, 1880-1886.	1.8	105
70	An atlas of over 90,000 conserved noncoding sequences provides insight into crucifer regulatory regions. Nature Genetics, 2013, 45, 891-898.	9.4	350
71	Patterns of Selection in Plant Genomes. Annual Review of Ecology, Evolution, and Systematics, 2013, 44, 31-49.	3.8	53
72	The Capsella rubella genome and the genomic consequences of rapid mating system evolution. Nature Genetics, 2013, 45, 831-835.	9.4	374

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73	Genomic Identification of Founding Haplotypes Reveals the History of the Selfing Species Capsella rubella. PLoS Genetics, 2013, 9, e1003754.	1.5	86
74	Evolutionary consequences of self-fertilization in plants. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130133.	1.2	346
75	Pollen-Specific, but Not Sperm-Specific, Genes Show Stronger Purifying Selection and Higher Rates of Positive Selection Than Sporophytic Genes in Capsella grandiflora. Molecular Biology and Evolution, 2013, 30, 2475-2486.	3.5	90
76	Impact of Sampling Schemes on Demographic Inference: An Empirical Study in Two Species with Different Mating Systems and Demographic Histories. G3: Genes, Genomes, Genetics, 2012, 2, 803-814.	0.8	10
77	The <i>ARC1</i> E3 Ligase Gene Is Frequently Deleted in Self-Compatible Brassicaceae Species and Has a Conserved Role in <i>Arabidopsis lyrata</i> Self-Pollen Rejection. Plant Cell, 2012, 24, 4607-4620.	3.1	94
78	Signatures of balancing selection are maintained at disease resistance loci following mating system evolution and a population bottleneck in the genus Capsella. BMC Evolutionary Biology, 2012, 12, 152.	3.2	32
79	COMPARATIVE POPULATION GENOMICS INCOLLINSIASISTER SPECIES REVEALS EVIDENCE FOR REDUCED EFFECTIVE POPULATION SIZE, RELAXED SELECTION, AND EVOLUTION OF BIASED GENE CONVERSION WITH AN ONGOING MATING SYSTEM SHIFT. Evolution; International Journal of Organic Evolution, 2012, 67, no-no.	1.1	36
80	Coalescent-Based Analysis Distinguishes between Allo- and Autopolyploid Origin in Shepherd's Purse (Capsella bursa-pastoris). Molecular Biology and Evolution, 2012, 29, 1721-1733.	3.5	29
81	Recipient of the 2011 <i>Molecular Ecology</i> Prize: Deborah Charlesworth. Molecular Ecology, 2012, 21, 23-25.	2.0	1
82	GENETIC ARCHITECTURE AND ADAPTIVE SIGNIFICANCE OF THE SELFING SYNDROME IN <i>CAPSELLA</i> Evolution; International Journal of Organic Evolution, 2012, 66, 1360-1374.	1.1	79
83	Does Speciation between Arabidopsis halleri and Arabidopsis lyrata Coincide with Major Changes in a Molecular Target of Adaptation?. PLoS ONE, 2011, 6, e26872.	1.1	87
84	Reduced Efficacy of Natural Selection on Codon Usage Bias in Selfing Arabidopsis and Capsella Species. Genome Biology and Evolution, $2011, 3, 868-880$.	1.1	85
85	Co-evolution between transposable elements and their hosts: a major factor in genome size evolution?. Chromosome Research, 2011, 19, 777-786.	1.0	77
86	Genomic Determinants of Protein Evolution and Polymorphism in Arabidopsis. Genome Biology and Evolution, 2011, 3, 1210-1219.	1.1	98
87	Sizing up Arabidopsis genome evolution. Heredity, 2011, 107, 509-510.	1.2	13
88	The population genomics of plant adaptation. New Phytologist, 2010, 188, 313-332.	3.5	105
89	RECONSTRUCTING ORIGINS OF LOSS OF SELF-INCOMPATIBILITY AND SELFING IN NORTH AMERICAN ARABIDOPSIS LYRATA: A POPULATION GENETIC CONTEXT. Evolution; International Journal of Organic Evolution, 2010, 64, 3495-3510.	1.1	101
90	Sex-Linked Inheritance in Macaque Monkeys: Implications for Effective Population Size and Dispersal to Sulawesi. Genetics, 2010, 185, 923-937.	1.2	19

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91	Genome-Wide Evidence for Efficient Positive and Purifying Selection in Capsella grandiflora, a Plant Species with a Large Effective Population Size. Molecular Biology and Evolution, 2010, 27, 1813-1821.	3.5	153
92	The Long-Term Benefits of Self-Rejection. Science, 2010, 330, 459-460.	6.0	27
93	Mating-System Variation, Demographic History and Patterns of Nucleotide Diversity in the Tristylous Plant <i>Eichhornia paniculata</i>	1.2	79
94	Using DNA Sequence Diversity to Test for Selection in Silene. International Journal of Plant Sciences, 2010, 171, 1072-1082.	0.6	2
95	Signature of Diversifying Selection on Members of the Pentatricopeptide Repeat Protein Family in Arabidopsis lyrata. Genetics, 2009, 183, 663-672.	1.2	15
96	Recent speciation associated with the evolution of selfing in <i>Capsella</i> . Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5241-5245.	3.3	245
97	Analysis of Site Frequency Spectra from Arabidopsis with Context-Dependent Corrections for Ancestral Misinference. Plant Physiology, 2009, 149, 616-624.	2.3	8
98	Claudin-8 and -27 tight junction proteins in puffer fish Tetraodon nigroviridis acclimated to freshwater and seawater. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2009, 179, 419-431.	0.7	42
99	Conditional neutrality at two adjacent NBS‣RR disease resistance loci in natural populations of ⟨i>Arabidopsis lyrata⟨/i>. Molecular Ecology, 2008, 17, 4953-4962.	2.0	19
100	The Impact of Natural Selection on the Genome: Emerging Patterns in <i>Drosophila</i> and <i>Arabidopsis</i> . Annual Review of Ecology, Evolution, and Systematics, 2008, 39, 193-213.	3.8	97
101	Genomic Consequences of Outcrossing and Selfing in Plants. International Journal of Plant Sciences, 2008, 169, 105-118.	0.6	198
102	Claudin-3 tight junction proteins inTetraodon nigroviridis: cloning, tissue-specific expression, and a role in hydromineral balance. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R1638-R1647.	0.9	59
103	High DNA Sequence Diversity in Pericentromeric Genes of the Plant <i>Arabidopsis lyrata</i> . Genetics, 2008, 179, 985-995.	1.2	22
104	Selection on Amino Acid Substitutions in Arabidopsis. Molecular Biology and Evolution, 2008, 25, 1375-1383.	3.5	71
105	Contrasting Patterns of Transposable-Element Insertion Polymorphism and Nucleotide Diversity in Autotetraploid and Allotetraploid Arabidopsis Species. Genetics, 2008, 179, 581-592.	1.2	29
106	Effective population size and tests of neutrality at cytoplasmic genes in <i>Arabidopsis</i> Research, 2008, 90, 119-128.	0.3	31
107	Patterns of Polymorphism and Demographic History in Natural Populations of Arabidopsis lyrata. PLoS ONE, 2008, 3, e2411.	1.1	163
108	Genomic Screening for Artificial Selection during Domestication and Improvement in Maize. Annals of Botany, 2007, 100, 967-973.	1.4	70

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109	Recombination: an underappreciated factor in the evolution of plant genomes. Nature Reviews Genetics, 2007, 8, 77-84.	7.7	223
110	Neutral Evolution of Synonymous Base Composition in the Brassicaceae. Journal of Molecular Evolution, 2007, 64, 136-141.	0.8	21
111	Testing for Effects of Recombination Rate on Nucleotide Diversity in Natural Populations of Arabidopsis lyrata. Genetics, 2006, 174, 1421-1430.	1.2	64
112	Selective Constraints on Codon Usage of Nuclear Genes from Arabidopsis thaliana. Molecular Biology and Evolution, 2006, 24, 122-129.	3.5	43
113	The map-based sequence of the rice genome. Nature, 2005, 436, 793-800.	13.7	3,365
114	Molecular Population Genetics and the Search for Adaptive Evolution in Plants. Molecular Biology and Evolution, 2005, 22, 506-519.	3.5	301
115	The Effects of Artificial Selection on the Maize Genome. Science, 2005, 308, 1310-1314.	6.0	742
116	Effects of Gene Expression on Molecular Evolution in Arabidopsis thaliana and Arabidopsis lyrata. Molecular Biology and Evolution, 2004, 21, 1719-1726.	3.5	132
117	The HKA Test Revisited. Genetics, 2004, 168, 1071-1076.	1.2	179
118	Subdivision and haplotype structure in natural populations of Arabidopsis lyrata. Molecular Ecology, 2003, 12, 1247-1263.	2.0	131
119	Effects of Recombination Rate and Gene Density on Transposable Element Distributions in <i>Arabidopsis thaliana</i>	2.4	186
120	Rates and Patterns of Molecular Evolution in Inbred and Outbred Arabidopsis. Molecular Biology and Evolution, 2002, 19, 1407-1420.	3.5	180
121	Breeding systems and genome evolution. Current Opinion in Genetics and Development, 2001, 11, 685-690.	1.5	329
122	Genome evolution: Sex and the transposable element. Current Biology, 2001, 11, R296-R299.	1.8	89
123	Population Dynamics of an <i>Ac</i> -like Transposable Element in Self- and Cross-Pollinating Arabidopsis. Genetics, 2001, 158, 1279-1288.	1.2	116
124	Transposon diversity in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 7376-7381.	3.3	232
125	<i>Mutator</i> -like Elements in <i>Arabidopsis thaliana</i> : Structure, Diversity and Evolution. Genetics, 2000, 156, 2019-2031.	1.2	106
126	Size-dependent gender modification in a hermaphroditic perennial herb. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 225-232.	1.2	62

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127 Transposon dynamics and the breeding system., 1999, 107, 139-148. 107