

Samuel Yeaman

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

6,114
citations

186265

28
h-index

189892

50
g-index

67
all docs

67
docs citations

67
times ranked

7157
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptation, migration or extirpation: climate change outcomes for tree populations. <i>Evolutionary Applications</i> , 2008, 1, 95-111.	3.1	1,546
2	Potential for evolutionary responses to climate change – evidence from tree populations. <i>Global Change Biology</i> , 2013, 19, 1645-1661.	9.5	705
3	THE GENETIC ARCHITECTURE OF ADAPTATION UNDER MIGRATION-SELECTION BALANCE. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 1897-1911.	2.3	514
4	Convergent local adaptation to climate in distantly related conifers. <i>Science</i> , 2016, 353, 1431-1433.	12.6	303
5	Genomic rearrangements and the evolution of clusters of locally adaptive loci. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E1743-51.	7.1	299
6	Local Adaptation by Alleles of Small Effect. <i>American Naturalist</i> , 2015, 186, S74-S89.	2.1	273
7	Genomic islands of divergence are not affected by geography of speciation in sunflowers. <i>Nature Communications</i> , 2013, 4, 1827.	12.8	263
8	Massive haplotypes underlie ecotypic differentiation in sunflowers. <i>Nature</i> , 2020, 584, 602-607.	27.8	263
9	ESTABLISHMENT AND MAINTENANCE OF ADAPTIVE GENETIC DIVERGENCE UNDER MIGRATION, SELECTION, AND DRIFT. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 2123-2129.	2.3	203
10	Mandated data archiving greatly improves access to research data. <i>FASEB Journal</i> , 2013, 27, 1304-1308.	0.5	139
11	Establishment of new mutations under divergence and genome hitchhiking. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 461-474.	4.0	132
12	The Importance of Genetic Redundancy in Evolution. <i>Trends in Ecology and Evolution</i> , 2020, 35, 809-822.	8.7	99
13	Regional heterogeneity and gene flow maintain variance in a quantitative trait within populations of lodgepole pine. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 1587-1593.	2.6	93
14	Quantifying how constraints limit the diversity of viable routes to adaptation. <i>PLoS Genetics</i> , 2018, 14, e1007717.	3.5	78
15	TEMPORAL VARIATION FAVORS THE EVOLUTION OF GENERALISTS IN EXPERIMENTAL POPULATIONS OF <i>DROSOPHILA MELANOGASTER</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 720-728.	2.3	76
16	The evolution of genomic islands by increased establishment probability of linked alleles. <i>Molecular Ecology</i> , 2016, 25, 2542-2558.	3.9	76
17	Exome capture from the spruce and pine giga-genomes. <i>Molecular Ecology Resources</i> , 2016, 16, 1136-1146.	4.8	75
18	Variation in recombination rate affects detection of outliers in genome scans under neutrality. <i>Molecular Ecology</i> , 2020, 29, 4274-4279.	3.9	59

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19	Neopinone isomerase is involved in codeine and morphine biosynthesis in opium poppy. <i>Nature Chemical Biology</i> , 2019, 15, 384-390.	8.0	57
20	Response to Comment on "Ongoing Adaptive Evolution of ASPM, a Brain Size Determinant in Homo sapiens" and "Microcephalin, a Gene Regulating Brain Size, Continues to Evolve Adaptively in Humans". <i>Science</i> , 2006, 313, 172b-172b.	12.6	51
21	Coevolution of Genome Architecture and Social Behavior. <i>Trends in Ecology and Evolution</i> , 2019, 34, 844-855.	8.7	49
22	Expression Divergence Is Correlated with Sequence Evolution but Not Positive Selection in Conifers. <i>Molecular Biology and Evolution</i> , 2016, 33, 1502-1516.	8.9	48
23	NO EFFECT OF ENVIRONMENTAL HETEROGENEITY ON THE MAINTENANCE OF GENETIC VARIATION IN WING SHAPE IN <i>DROSOPHILA MELANOGASTER</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 3398-3408.	2.3	47
24	Conservation and divergence of gene expression plasticity following 140 million years of evolution in lodgepole pine (<i>Pinus contorta</i>) and interior spruce (<i>Picea glauca</i> — <i>Picea engelmannii</i>). <i>New Phytologist</i> , 2014, 203, 578-591.	7.3	46
25	PREDICTING ADAPTATION UNDER MIGRATION LOAD: THE ROLE OF GENETIC SKEW. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 2926-2938.	2.3	45
26	Evolution of polygenic traits under global vs local adaptation. <i>Genetics</i> , 2022, 220, .	2.9	42
27	Modularity of genes involved in local adaptation to climate despite physical linkage. <i>Genome Biology</i> , 2018, 19, 157.	8.8	41
28	Gene clustering and copy number variation in alkaloid metabolic pathways of opium poppy. <i>Nature Communications</i> , 2020, 11, 1190.	12.8	40
29	Unpacking Conditional Neutrality: Genomic Signatures of Selection on Conditionally Beneficial and Conditionally Deleterious Mutations. <i>American Naturalist</i> , 2019, 194, 529-540.	2.1	29
30	Global adaptation complicates the interpretation of genome scans for local adaptation. <i>Evolution Letters</i> , 2021, 5, 4-15.	3.3	29
31	Evolution of Quantitative Traits under a Migration-Selection Balance: When Does Skew Matter?. <i>American Naturalist</i> , 2015, 186, S37-S47.	2.1	28
32	Mating system impacts the genetic architecture of adaptation to heterogeneous environments. <i>New Phytologist</i> , 2019, 224, 1201-1214.	7.3	26
33	A novel post hoc method for detecting index switching finds no evidence for increased switching on the Illumina HiSeq X. <i>Molecular Ecology Resources</i> , 2018, 18, 169-175.	4.8	25
34	Social network architecture and the maintenance of deleterious cultural traits. <i>Journal of the Royal Society Interface</i> , 2012, 9, 848-858.	3.4	19
35	Effect of migration and environmental heterogeneity on the maintenance of quantitative genetic variation: a simulation study. <i>Journal of Evolutionary Biology</i> , 2018, 31, 1386-1399.	1.7	19
36	Growth gains from selective breeding in a spruce hybrid zone do not compromise local adaptation to climate. <i>Evolutionary Applications</i> , 2018, 11, 166-181.	3.1	17

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37	Genome-wide shifts in climate-related variation underpin responses to selective breeding in a widespread conifer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	17
38	Bioinformatically predicted deleterious mutations reveal complementation in the interior spruce hybrid complex. <i>BMC Genomics</i> , 2017, 18, 970.	2.8	16
39	The costs and benefits of resource sharing: reciprocity requires resource heterogeneity. <i>Journal of Evolutionary Biology</i> , 2007, 20, 1772-1782.	1.7	15
40	Local adaptation does not always predict high mating success. <i>Journal of Evolutionary Biology</i> , 2010, 23, 875-878.	1.7	12
41	The Role of Geographic Analysis in Locating, Understanding, and Using Plant Genetic Diversity. <i>Methods in Enzymology</i> , 2005, 395, 279-298.	1.0	11
42	Comparative Gene Expression Analysis Reveals Mechanism of <i>Pinus contorta</i> Response to the Fungal Pathogen <i>Dothistroma septosporum</i> . <i>Molecular Plant-Microbe Interactions</i> , 2021, 34, 397-409.	2.6	10
43	The effect of innovation and sex-specific migration on neutral cultural differentiation. <i>Animal Behaviour</i> , 2011, 82, 101-112.	1.9	8
44	Local Adaptation and the Evolution of Genome Architecture in Threespine Stickleback. <i>Genome Biology and Evolution</i> , 2022, 14, .	2.5	8
45	Hybridization and the porous genome: patterns of isolation and introgression in manakins. <i>Molecular Ecology</i> , 2013, 22, 3195-3197.	3.9	3
46	Haploid, diploid, and pooled exome capture recapitulate features of biology and paralogy in two non-model tree species. <i>Molecular Ecology Resources</i> , 2022, 22, 225-238.	4.8	3
47	Purifying selection does not drive signatures of convergent local adaptation of lodgepole pine and interior spruce. <i>BMC Evolutionary Biology</i> , 2019, 19, 110.	3.2	1
48	Comparing genome scans among species of the stickleback order reveals three different patterns of genetic diversity. <i>Ecology and Evolution</i> , 2022, 12, e8502.	1.9	1
49	Evaluating the accuracy of variant calling methods using the frequency of parent-offspring genotype mismatch. <i>Molecular Ecology Resources</i> , 2022, , .	4.8	1