Michael Turelli

List of Publications by Year
in descending order

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78	13,033	41344	66911
papers	citations	49 h-index	78 g-index

82	82	82	9598
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ENVIRONMENTAL NICHE EQUIVALENCY VERSUS CONSERVATISM: QUANTITATIVE APPROACHES TO NICHE EVOLUTION. Evolution; International Journal of Organic Evolution, 2008, 62, 2868-2883.	2.3	1,957
2	Theory and speciation. Trends in Ecology and Evolution, 2001, 16, 330-343.	8.7	833
3	Rapid spread of an inherited incompatibility factor in California Drosophila. Nature, 1991, 353, 440-442.	27.8	609
4	Heritable genetic variation via mutation-selection balance: Lerch's zeta meets the abdominal bristle. Theoretical Population Biology, 1984, 25, 138-193.	1.1	598
5	PERSPECTIVE: A CRITIQUE OF SEWALL WRIGHT'S SHIFTING BALANCE THEORY OF EVOLUTION. Evolution; International Journal of Organic Evolution, 1997, 51, 643-671.	2.3	486
6	THE EVOLUTION OF POSTZYGOTIC ISOLATION: ACCUMULATING DOBZHANSKY-MULLER INCOMPATIBILITIES. Evolution; International Journal of Organic Evolution, 2001, 55, 1085-1094.	2.3	427
7	Dominance, Epistasis and the Genetics of Postzygotic Isolation. Genetics, 2000, 154, 1663-1679.	2.9	391
8	From Parasite to Mutualist: Rapid Evolution of Wolbachia in Natural Populations of Drosophila. PLoS Biology, 2007, 5, e114.	5.6	375
9	EVOLUTION OF INCOMPATIBILITYâ€INDUCING MICROBES AND THEIR HOSTS. Evolution; International Journal of Organic Evolution, 1994, 48, 1500-1513.	2.3	356
10	Asymmetric Postmating Isolation: Darwin's Corollary to Haldane's Rule. Genetics, 2007, 176, 1059-1088.	2.9	345
11	UNIDIRECTIONAL INCOMPATIBILITY BETWEEN POPULATIONS OF DROSOPHILA SIMULANS. Evolution; International Journal of Organic Evolution, 1986, 40, 692-701.	2.3	341
12	PHENOTYPIC EVOLUTION, CONSTANT COVARIANCES, AND THE MAINTENANCE OF ADDITIVE VARIANCE. Evolution; International Journal of Organic Evolution, 1988, 42, 1342-1347.	2.3	309
13	Random environments and stochastic calculus. Theoretical Population Biology, 1977, 12, 140-178.	1.1	303
14	Adaptive landscapes, genetic distance and the evolution of quantitative characters. Genetical Research, 1987, 49, 157-173.	0.9	268
15	Polygenic Variation Maintained by Balancing Selection: Pleiotropy, Sex-Dependent Allelic Effects and G Ã— E Interactions. Genetics, 2004, 166, 1053-1079.	2.9	241
16	Local introduction and heterogeneous spatial spread of dengue-suppressing Wolbachia through an urban population of Aedes aegypti. PLoS Biology, 2017, 15, e2001894.	5.6	202
17	Perspective: A Critique of Sewall Wright's Shifting Balance Theory of Evolution. Evolution; International Journal of Organic Evolution, 1997, 51, 643.	2.3	198
18	Stable Underdominance and the Evolutionary Invasion of Empty Niches. American Naturalist, 1986, 127, 835-850.	2.1	187

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19	IS WRIGHT'S SHIFTING BALANCE PROCESS IMPORTANT IN EVOLUTION?. Evolution; International Journal of Organic Evolution, 2000, 54, 306-317.	2.3	180
20	Spatial Waves of Advance with Bistable Dynamics: Cytoplasmic and Genetic Analogues of Allee Effects. American Naturalist, 2011, 178, E48-E75.	2.1	180
21	EFFECTS OF PLEIOTROPY ON PREDICTIONS CONCERNING MUTATION-SELECTION BALANCE FOR POLYGENIC TRAITS. Genetics, 1985, 111, 165-195.	2.9	179
22	Dynamics of polygenic characters under selection. Theoretical Population Biology, 1990, 38, 1-57.	1.1	174
23	Rapid Sequential Spread of Two Wolbachia Variants in Drosophila simulans. PLoS Pathogens, 2013, 9, e1003607.	4.7	169
24	ENMTools 1.0: an R package for comparative ecological biogeography. Ecography, 2021, 44, 504-511.	4.5	166
25	Evolution of Incompatibility-Inducing Microbes and Their Hosts. Evolution; International Journal of Organic Evolution, 1994, 48, 1500.	2.3	162
26	THE GEOGRAPHY OF MAMMALIAN SPECIATION: MIXED SIGNALS FROM PHYLOGENIES AND RANGE MAPS. Evolution; International Journal of Organic Evolution, 2006, 60, 601-615.	2.3	161
27	Phenotypic Evolution, Constant Covariances, and the Maintenance of Additive Variance. Evolution; International Journal of Organic Evolution, 1988, 42, 1342.	2.3	152
28	Unidirectional Incompatibility between Populations of Drosophila simulans. Evolution; International Journal of Organic Evolution, 1986, 40, 692.	2.3	147
29	RATE TESTS FOR SELECTION ON QUANTITATIVE CHARACTERS DURING MACROEVOLUTION AND MICROEVOLUTION. Evolution; International Journal of Organic Evolution, 1988, 42, 1085-1089.	2.3	144
30	CYTOPLASMIC INCOMPATIBILITY IN POPULATIONS WITH OVERLAPPING GENERATIONS. Evolution; International Journal of Organic Evolution, 2010, 64, 232-241.	2.3	143
31	Rapid Global Spread of wRi-like Wolbachia across Multiple Drosophila. Current Biology, 2018, 28, 963-971.e8.	3.9	127
32	Evolutionary Ecology of Wolbachia Releases for Disease Control. Annual Review of Genetics, 2019, 53, 93-116.	7.6	123
33	EFFECTS OF GENETIC DRIFT ON VARIANCE COMPONENTS UNDER A GENERAL MODEL OF EPISTASIS. Evolution; International Journal of Organic Evolution, 2004, 58, 2111-2132.	2.3	120
34	SHOULD INDIVIDUAL FITNESS INCREASE WITH HETEROZYGOSITY?. Genetics, 1983, 104, 191-209.	2.9	110
35	Wolbachia do not live by reproductive manipulation alone: infection polymorphism in Drosophila suzukii and D. subpulchrella. Molecular Ecology, 2014, 23, 4871-4885.	3.9	109
36	Accelerated Mitochondrial Evolution and â€œDarwin's Corollaryâ€• Asymmetric Viability of Reciprocal F1 Hybrids in Centrarchid Fishes. Genetics, 2008, 178, 1037-1048.	2.9	106

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37	THE EVOLUTION OF POSTZYGOTIC ISOLATION: ACCUMULATING DOBZHANSKY-MULLER INCOMPATIBILITIES. Evolution; International Journal of Organic Evolution, 2001, 55, 1085.	2.3	100
38	Persistence of aWolbachiainfection frequency cline inDrosophila melanogasterand the possible role of reproductive dormancy. Evolution; International Journal of Organic Evolution, 2016, 70, 979-997.	2.3	99
39	STABLE TWO-ALLELE POLYMORPHISMS MAINTAINED BY FLUCTUATING FITNESSES AND SEED BANKS: PROTECTING THE BLUES IN LINANTHUS PARRYAE. Evolution; International Journal of Organic Evolution, 2001, 55, 1283-1298.	2.3	95
40	Wolbachia versus dengue. Evolution, Medicine and Public Health, 2013, 2013, 197-207.	2.5	84
41	Haldane's Rule and X-chromosome Size in Drosophila. Genetics, 1997, 147, 1799-1815.	2.9	83
42	CHANGES IN GENETIC VARIANCES AND COVARIANCES: G WHIZ!. Evolution; International Journal of Organic Evolution, 1995, 49, 1260-1267.	2.3	81
43	Stochastic spread ofWolbachia. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 2769-2776.	2.6	76
44	Wolbachia in the Drosophila yakuba Complex: Pervasive Frequency Variation and Weak Cytoplasmic Incompatibility, but No Apparent Effect on Reproductive Isolation. Genetics, 2017, 205, 333-351.	2.9	75
45	Rate Tests for Selection on Quantitative Characters During Macroevolution and Microevolution. Evolution; International Journal of Organic Evolution, 1988, 42, 1085.	2.3	74
46	Deploying dengue-suppressing Wolbachia : Robust models predict slow but effective spatial spread in Aedes aegypti. Theoretical Population Biology, 2017, 115, 45-60.	1.1	71
47	PEAK SHIFTS PRODUCED BY CORRELATED RESPONSE TO SELECTION. Evolution; International Journal of Organic Evolution, 1993, 47, 280-290.	2.3	67
48	Long-Distance Migration of Drosophila. 2. Presence in Desolate Sites and Dispersal Near a Desert Oasis. American Naturalist, 1987, 129, 847-861.	2.1	64
49	Loss of cytoplasmic incompatibility and minimal fecundity effects explain relatively lowWolbachiafrequencies inDrosophila mauritiana. Evolution; International Journal of Organic Evolution, 2019, 73, 1278-1295.	2.3	63
50	Wolbachia Acquisition by Drosophila yakuba-Clade Hosts and Transfer of Incompatibility Loci Between Distantly Related Wolbachia. Genetics, 2019, 212, 1399-1419.	2.9	62
51	WILL POPULATION BOTTLENECKS AND MULTILOCUS EPISTASIS INCREASE ADDITIVE GENETIC VARIANCE?. Evolution; International Journal of Organic Evolution, 2006, 60, 1763-1776.	2.3	59
52	Dominance and H<scp>aldane's</scp> Rule. Genetics, 1996, 143, 613-616.	2.9	55
53	ON THE COYNE AND ORR-IGIN OF SPECIES: EFFECTS OF INTRINSIC POSTZYGOTIC ISOLATION, ECOLOGICAL DIFFERENTIATION, X CHROMOSOME SIZE, AND SYMPATRY ONDROSOPHILASPECIATION. Evolution; International Journal of Organic Evolution, 2014, 68, 1176-1187.	2.3	53
54	Commentary: Fisherâ€™s infinitesimal model: A story for the ages. Theoretical Population Biology, 2017, 118, 46-49.	1.1	49

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55	Genome comparisons indicate recent transfer of <scp>wR</scp>iâ€like Wolbachia between sister species Drosophila suzukii and D.Âsubpulchrella. Ecology and Evolution, 2017, 7, 9391-9404.	1.9	49
56	Polygenic Variation Maintained by Balancing Selection: Pleiotropy, Sex-Dependent Allelic Effects and G Ã— E Interactions. Genetics, 2004, 166, 1053-1079.	2.9	47
57	A Re-Examination of Wolbachia-Induced Cytoplasmic Incompatibility in California Drosophila simulans. PLoS ONE, 2011, 6, e22565.	2.5	45
58	Revisiting a Key Innovation in Evolutionary Biology: Felsensteinâ€™s â€œPhylogenies and the Comparative Methodâ€• American Naturalist, 2019, 193, 755-772.	2.1	44
59	Peak Shifts Produced by Correlated Response to Selection. Evolution; International Journal of Organic Evolution, 1993, 47, 280.	2.3	37
60	EVOLUTION OF INCOMPATIBILITY-INDUCING MICROBES IN SUBDIVIDED HOST POPULATIONS. Evolution; International Journal of Organic Evolution, 2009, 63, 432-447.	2.3	37
61	The geography of mammalian speciation: mixed signals from phylogenies and range maps. Evolution; International Journal of Organic Evolution, 2006, 60, 601-15.	2.3	34
62	Explaining Darwinâ€™s Corollary to Haldaneâ€™s Rule: The Role of Mitonuclear Interactions in Asymmetric Postzygotic Isolation Among Toads. Genetics, 2014, 197, 743-747.	2.9	33
63	Temporally varying selection on multiple alleles: A diffusion analysis. Journal of Mathematical Biology, 1981, 13, 115-129.	1.9	29
64	FacilitatingWolbachiaintroductions into mosquito populations through insecticide-resistance selection. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130371.	2.6	29
65	Average Dominance for Polygenes: Drawbacks of Regression Estimates. Genetics, 1997, 147, 1487-1490.	2.9	29
66	Quantitative methods for assessing local and bodywide contributions to Wolbachia titer in maternal germline cells of Drosophila. BMC Microbiology, 2019, 19, 206.	3.3	28
67	Will population bottlenecks and multilocus epistasis increase additive genetic variance?. Evolution; International Journal of Organic Evolution, 2006, 60, 1763-76.	2.3	27
68	Resource choice in orchard populations of Drosophila. Biological Journal of the Linnean Society, 1984, 22, 95-106.	1.6	25
69	IS WRIGHT'S SHIFTING BALANCE PROCESS IMPORTANT IN EVOLUTION?. Evolution; International Journal of Organic Evolution, 2000, 54, 306.	2.3	25
70	Prediction of effects of genetic drift on variance components under a general model of epistasis. Theoretical Population Biology, 2006, 70, 56-62.	1.1	23
71	Comment on â€œThe hologenomic basis of speciation: Gut bacteria cause hybrid lethality in the genus Nasonia â€• Science, 2014, 345, 1011-1011.	12.6	22
72	A phylogeny for the Drosophila montium species group: A model clade for comparative analyses. Molecular Phylogenetics and Evolution, 2021, 158, 107061.	2.7	19

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73	WILL POPULATION BOTTLENECKS AND MULTILOCUS EPISTASIS INCREASE ADDITIVE GENETIC VARIANCE?. Evolution; International Journal of Organic Evolution, 2006, 60, 1763.	2.3	15
74	Effects of starvation and experience on the response of Drosophila to alternative resources. Oecologia, 1988, 77, 497-505.	2.0	12
75	Strange Little Flies in the Big City: Exotic Flower-Breeding Drosophilidae (Diptera) in Urban Los Angeles. PLoS ONE, 2015, 10, e0122575.	2.5	12
76	Why did theÂWolbachiaÂtransinfection cross the road? drift, deterministic dynamics, and disease control. Evolution Letters, 2022, 6, 92-105.	3.3	6
77	Linkage data supporting a mathematical explanation for some empirical CIS-Trans effects. Heredity, 1984, 52, 145-147.	2.6	3
78	Edward East on the Mendelian Basis of Quantitative Trait Variation. Genetics, 2016, 204, 1321-1323.	2.9	1