

# Guillaume Martin

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

2,309  
citations

279798

23  
h-index

361022

35  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1757  
citing authors

#	ARTICLE	IF	CITATIONS
1	Do hairworms (Nematomorpha) manipulate the water seeking behaviour of their terrestrial hosts?. Journal of Evolutionary Biology, 2002, 15, 356-361.	1.7	208
2	Distributions of epistasis in microbes fit predictions from a fitness landscape model. Nature Genetics, 2007, 39, 555-560.	21.4	195
3	A GENERAL MULTIVARIATE EXTENSION OF FISHER'S GEOMETRICAL MODEL AND THE DISTRIBUTION OF MUTATION FITNESS EFFECTS ACROSS SPECIES. Evolution; International Journal of Organic Evolution, 2006, 60, 893-907.	2.3	183
4	Fitness Landscapes: An Alternative Theory for the Dominance of Mutation. Genetics, 2011, 189, 923-937.	2.9	146
5	THE FITNESS EFFECT OF MUTATIONS ACROSS ENVIRONMENTS: A SURVEY IN LIGHT OF FITNESS LANDSCAPE MODELS. Evolution; International Journal of Organic Evolution, 2006, 60, 2413-2427.	2.3	137
6	FISHER'S MODEL AND THE GENOMICS OF ADAPTATION: RESTRICTED PLEIOTROPY, HETEROGENOUS MUTATION, AND PARALLEL EVOLUTION. Evolution; International Journal of Organic Evolution, 2010, 64, 3213-3231.	2.3	127
7	THE FITNESS EFFECT OF MUTATIONS ACROSS ENVIRONMENTS: A SURVEY IN LIGHT OF FITNESS LANDSCAPE MODELS. Evolution; International Journal of Organic Evolution, 2006, 60, 2413.	2.3	104
8	Evolutionary rescue: linking theory for conservation and medicine. Evolutionary Applications, 2014, 7, 1161-1179.	3.1	104
9	The probability of evolutionary rescue: towards a quantitative comparison between theory and evolution experiments. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120088.	4.0	99
10	A general multivariate extension of Fisher's geometrical model and the distribution of mutation fitness effects across species. Evolution; International Journal of Organic Evolution, 2006, 60, 893-907.	2.3	97
11	Selection for Recombination in Structured Populations. Genetics, 2006, 172, 593-609.	2.9	89
12	The fitness effect of mutations across environments: Fisher's geometrical model with multiple optima. Evolution; International Journal of Organic Evolution, 2015, 69, 1433-1447.	2.3	83
13	The Distribution of Beneficial and Fixed Mutation Fitness Effects Close to an Optimum. Genetics, 2008, 179, 907-916.	2.9	81
14	Fisher's Geometrical Model Emerges as a Property of Complex Integrated Phenotypic Networks. Genetics, 2014, 197, 237-255.	2.9	68
15	The fitness effect of mutations across environments: a survey in light of fitness landscape models. Evolution; International Journal of Organic Evolution, 2006, 60, 2413-27.	2.3	64
16	Multivariate $Q$ - $F$ Comparisons: A Neutrality Test for the Evolution of the G Matrix in Structured Populations. Genetics, 2008, 180, 2135-2149.	2.9	62
17	A GENERAL MULTIVARIATE EXTENSION OF FISHER'S GEOMETRICAL MODEL AND THE DISTRIBUTION OF MUTATION FITNESS EFFECTS ACROSS SPECIES. Evolution; International Journal of Organic Evolution, 2006, 60, 893.	2.3	60
18	Under Neutrality, $QST \approx FST$ When There Is Dominance in an Island Model. Genetics, 2007, 176, 1371-1374.	2.9	48

#	ARTICLE	IF	CITATIONS
19	Evolutionary Rescue over a Fitness Landscape. <i>Genetics</i> , 2018, 209, 265-279.	2.9	39
20	HOST GROWTH CONDITIONS INFLUENCE EXPERIMENTAL EVOLUTION OF LIFE HISTORY AND VIRULENCE OF A PARASITE WITH VERTICAL AND HORIZONTAL TRANSMISSION. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 2126-38.	2.3	38
21	Fisher's geometrical model and the mutational patterns of antibiotic resistance across dose gradients. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 23-37.	2.3	37
22	Lethal mutagenesis and evolutionary epidemiology. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 1953-1963.	4.0	36
23	The Nonstationary Dynamics of Fitness Distributions: Asexual Model with Epistasis and Standing Variation. <i>Genetics</i> , 2016, 204, 1541-1558.	2.9	29
24	A simple, semi-deterministic approximation to the distribution of selective sweeps in large populations. <i>Theoretical Population Biology</i> , 2015, 101, 40-46.	1.1	28
25	Effects of Selection and Drift on G Matrix Evolution in a Heterogeneous Environment: A Multivariate Qst Fst Test With the Freshwater Snail <i>Galba truncatula</i> . <i>Genetics</i> , 2008, 180, 2151-2161.	2.9	25
26	The high-throughput yeast deletion fitness data and the theories of dominance. <i>Journal of Evolutionary Biology</i> , 2012, 25, 892-903.	1.7	20
27	Population persistence under high mutation rate: From evolutionary rescue to lethal mutagenesis. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 1517-1532.	2.3	17
28	Genetic Paths to Evolutionary Rescue and the Distribution of Fitness Effects Along Them. <i>Genetics</i> , 2020, 214, 493-510.	2.9	17
29	Mathematical Properties of a Class of Integro-differential Models from Population Genetics. <i>SIAM Journal on Applied Mathematics</i> , 2017, 77, 1536-1561.	1.8	13
30	Evolution of bacteria specialization along an antibiotic dose gradient. <i>Evolution Letters</i> , 2018, 2, 221-232.	3.3	13
31	Dynamics of adaptation in an anisotropic phenotype-fitness landscape. <i>Nonlinear Analysis: Real World Applications</i> , 2020, 54, 103107.	1.7	9
32	Dynamics of fitness distributions in the presence of a phenotypic optimum: an integro-differential approach. <i>Nonlinearity</i> , 2019, 32, 3485-3522.	1.4	8
33	Adaptation in General Temporally Changing Environments. <i>SIAM Journal on Applied Mathematics</i> , 2020, 80, 2420-2447.	1.8	8
34	When sinks become sources: Adaptive colonization in asexuals*. <i>Evolution; International Journal of Organic Evolution</i> , 2020, 74, 29-42.	2.3	7
35	Beneficial mutation-selection dynamics in finite asexual populations: a free boundary approach. <i>Scientific Reports</i> , 2017, 7, 17838.	3.3	2