# Guillaume Martin

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | When sinks become sources: Adaptive colonization in asexuals*. Evolution; International Journal of Organic Evolution, 2020, 74, 29-42. | 2.3 | 7 |
| 2 | Genetic Paths to Evolutionary Rescue and the Distribution of Fitness Effects Along Them. Genetics, 2020, 214, 493-510. | 2.9 | 17 |
| 3 | Dynamics of adaptation in an anisotropic phenotype-fitness landscape. Nonlinear Analysis: Real World Applications, 2020, 54, 103107. | 1.7 | 9 |
| 4 | Adaptation in General Temporally Changing Environments. SIAM Journal on Applied Mathematics, 2020, 80, 2420-2447. | 1.8 | 8 |
| 5 | Dynamics of fitness distributions in the presence of a phenotypic optimum: an integro-differential approach. Nonlinearity, 2019, 32, 3485-3522. | 1.4 | 8 |
| 6 | Population persistence under high mutation rate: From evolutionary rescue to lethal mutagenesis. Evolution; International Journal of Organic Evolution, 2019, 73, 1517-1532. | 2.3 | 17 |
| 7 | Evolutionary Rescue over a Fitness Landscape. Genetics, 2018, 209, 265-279. | 2.9 | 39 |
| 8 | Evolution of bacteria specialization along an antibiotic dose gradient. Evolution Letters, 2018, 2, 221-232. | 3.3 | 13 |
| 9 | Mathematical Properties of a Class of Integro-differential Models from Population Genetics. SIAM Journal on Applied Mathematics, 2017, 77, 1536-1561. | 1.8 | 13 |
| 10 | Fisher's geometrical model and the mutational patterns of antibiotic resistance across dose gradients. Evolution; International Journal of Organic Evolution, 2017, 71, 23-37. | 2.3 | 37 |
| 11 | Beneficial mutation-selection dynamics in finite asexual populations: a free boundary approach. Scientific Reports, 2017, 7, 17838. | 3.3 | 2 |
| 12 | The Nonstationary Dynamics of Fitness Distributions: Asexual Model with Epistasis and Standing Variation. Genetics, 2016, 204, 1541-1558. | 2.9 | 29 |
| 13 | A simple, semi-deterministic approximation to the distribution of selective sweeps in large populations. Theoretical Population Biology, 2015, 101, 40-46. | 1.1 | 28 |
| 14 | 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 |
| 15 | Evolutionary rescue: linking theory for conservation and medicine. Evolutionary Applications, 2014, 7, 1161-1179. | 3.1 | 104 |
| 16 | Fisherâ€™s Geometrical Model Emerges as a Property of Complex Integrated Phenotypic Networks. Genetics, 2014, 197, 237-255. | 2.9 | 68 |
| 17 | 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 |
| 18 | The highâ€throughput yeast deletion fitness data and the theories of dominance. Journal of Evolutionary Biology, 2012, 25, 892-903. | 1.7 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Fitness Landscapes: An Alternative Theory for the Dominance of Mutation. Genetics, 2011, 189, 923-937. | 2.9 | 146 |
| 20 | HOST GROWTH CONDITIONS INFLUENCE EXPERIMENTAL EVOLUTION OF LIFE HISTORY AND VIRULENCE OF A PARASITE WITH VERTICAL AND HORIZONTAL TRANSMISSION. Evolution; International Journal of Organic Evolution, 2010, 64, 2126-38. | 2.3 | 38 |
| 21 | 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 |
| 22 | Lethal mutagenesis and evolutionary epidemiology. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 1953-1963. | 4.0 | 36 |
| 23 | MultivariateQstâ€“Fst Comparisons: A Neutrality Test for the Evolution of the G Matrix in Structured Populations. Genetics, 2008, 180, 2135-2149. | 2.9 | 62 |
| 24 | The Distribution of Beneficial and Fixed Mutation Fitness Effects Close to an Optimum. Genetics, 2008, 179, 907-916. | 2.9 | 81 |
| 25 | Effects of Selection and Drift on G Matrix Evolution in a Heterogeneous Environment: A Multivariate Qstâ€“Fst Test With the Freshwater Snail Galba truncatula. Genetics, 2008, 180, 2151-2161. | 2.9 | 25 |
| 26 | Under Neutrality, QST â‰ FST When There Is Dominance in an Island Model. Genetics, 2007, 176, 1371-1374. | 2.9 | 48 |
| 27 | Distributions of epistasis in microbes fit predictions from a fitness landscape model. Nature Genetics, 2007, 39, 555-560. | 21.4 | 195 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | Selection for Recombination in Structured Populations. Genetics, 2006, 172, 593-609. | 2.9 | 89 |
| 33 | 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 |
| 34 | 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 |
| 35 | Do hairworms (Nematomorpha) manipulate the water seeking behaviour of their terrestrial hosts?. Journal of Evolutionary Biology, 2002, 15, 356-361. | 1.7 | 208 |