Reinhard Buerger

List of Publications by Year
in descending order

37 papers	1,902 citations	361413 20 h-index	345221 36 g-index
37 all docs	37 docs citations	37 times ranked	1620 citing authors

#	Article	IF	Citations
1	The effects of epistasis and linkage on the invasion of locally beneficial mutations and the evolution of genomic islands. Theoretical Population Biology, 2022, 144, 49-69.	1.1	5
2	Correlational selection in the age of genomics. Nature Ecology and Evolution, 2021, 5, 562-573.	7.8	53
3	Multilocus population-genetic theory. Theoretical Population Biology, 2020, 133, 40-48.	1.1	10
4	The effectiveness of pseudomagic traits in promoting divergence and enhancing local adaptation*. Evolution; International Journal of Organic Evolution, 2020, 74, 2438-2450.	2.3	10
5	The Effects of Epistasis and Pleiotropy on Genome-Wide Scans for Adaptive Outlier Loci. Journal of Heredity, 2019, 110, 494-513.	2.4	3
6	Ecoâ€evolutionary feedbacks between prey densities and linkage disequilibrium in the predator maintain diversity. Evolution; International Journal of Organic Evolution, 2019, 73, 1533-1548.	2.3	8
7	Two-locus clines maintained by diffusion and recombination in a heterogeneous environment. Journal of Differential Equations, 2019, 266, 7909-7947.	2.2	3
8	Evolutionary dynamics in the two-locus two-allele model with weak selection. Journal of Mathematical Biology, 2018, 76, 151-203.	1.9	10
9	The G-matrix Simulator Family: Software for Research and Teaching. Journal of Heredity, 2018, 109, 825-829.	2.4	0
10	The Effects on Parapatric Divergence of Linkage between Preference and Trait Loci versus Pleiotropy. Genes, 2018, 9, 217.	2.4	11
11	Two-locus clines on the real line with a step environment. Theoretical Population Biology, 2017, 117, 1-22.	1.1	11
12	The evolution of genomic islands by increased establishment probability of linked alleles. Molecular Ecology, 2016, 25, 2542-2558.	3.9	76
13	The effects of sexual selection on trait divergence in a peripheral population with gene flow. Evolution; International Journal of Organic Evolution, 2015, 69, 2648-2661.	2.3	20
14	Clines in quantitative traits: The role of migration patterns and selection scenarios. Theoretical Population Biology, 2015, 99, 43-66.	1.1	7
15	The Effect of Linkage on Establishment and Survival of Locally Beneficial Mutations. Genetics, 2014, 197, 317-336.	2.9	55
16	The counterintuitive role of sexual selection in species maintenance and speciation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8113-8118.	7.1	124
17	The consequences of gene flow for local adaptation and differentiation: a two-locus two-deme model. Journal of Mathematical Biology, 2014, 68, 1135-1198.	1.9	60
18	Epistasis and natural selection shape the mutational architecture of complex traits. Nature Communications, 2014, 5, 3709.	12.8	100

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19	A two-locus model of spatially varying stabilizing or directional selection on a quantitative trait. Theoretical Population Biology, 2014, 94, 10-41.	1.1	5
20	The consequences of dominance and gene flow for local adaptation and differentiation at two linked loci. Theoretical Population Biology, 2014, 94, 42-62.	1.1	4
21	A survey of migration-selection models in population genetics. Discrete and Continuous Dynamical Systems - Series B, 2014, 19, 883-959.	0.9	30
22	The Limits to Parapatric Speciation: Dobzhanskyâ€"Muller Incompatibilities in a Continentâ€"Island Model. Genetics, 2012, 191, 845-863.	2.9	147
23	The effects of linkage and gene flow on local adaptation: A two-locus continentâ€"island model. Theoretical Population Biology, 2011, 80, 272-288.	1.1	112
24	Evolution and polymorphism in the multilocus Levene model with no or weak epistasis. Theoretical Population Biology, 2010, 78, 123-138.	1.1	16
25	Polymorphism in the two-locus Levene model with nonepistatic directional selection. Theoretical Population Biology, 2009, 76, 214-228.	1.1	14
26	Multilocus selection in subdivided populations I. Convergence properties for weak or strong migration. Journal of Mathematical Biology, 2009, 58, 939-978.	1.9	23
27	Multilocus selection in subdivided populations II. Maintenance of polymorphism under weak or strong migration. Journal of Mathematical Biology, 2009, 58, 979-997.	1.9	19
28	THE MUTATION MATRIX AND THE EVOLUTION OF EVOLVABILITY. Evolution; International Journal of Organic Evolution, 2007, 61, 727-745.	2.3	163
29	THE CONDITIONS FOR SPECIATION THROUGH INTRASPECIFIC COMPETITION. Evolution; International Journal of Organic Evolution, 2006, 60, 2185-2206.	2.3	85
30	Intraspecific Competitive Divergence and Convergence under Assortative Mating. American Naturalist, 2006, 167, 190-205.	2.1	57
31	The conditions for speciation through intraspecific competition. Evolution; International Journal of Organic Evolution, 2006, 60, 2185-206.	2.3	23
32	A multilocus analysis of intraspecific competition and stabilizing selection on a quantitative trait. Journal of Mathematical Biology, 2005, 50, 355-396.	1.9	64
33	The Effects of Intraspecific Competition and Stabilizing Selection on a Polygenic TraitThis article is dedicated to the memory of Sasha Gimelfarb, who died May 11, 2004.. Genetics, 2004, 167, 1425-1443.	2.9	51
34	EVOLUTION AND STABILITY OF THE G-MATRIX ON A LANDSCAPE WITH A MOVING OPTIMUM. Evolution; International Journal of Organic Evolution, 2004, 58, 1639-1654.	2.3	167
35	STABILITY OF THE G-MATRIX IN A POPULATION EXPERIENCING PLEIOTROPIC MUTATION, STABILIZING SELECTION, AND GENETIC DRIFT. Evolution; International Journal of Organic Evolution, 2003, 57, 1747-1760.	2.3	242
36	On a Genetic Model of Intraspecific Competition and Stabilizing Selection. American Naturalist, 2002, 160, 661-682.	2.1	37

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37	Fluctuating environments and the role of mutation in maintaining quantitative genetic variation. Genetical Research, 2002, 80, 31-46.	0.9	77