

Laurence Loewe

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

900
citations

933447

10
h-index

940533

16
g-index

22
all docs

22
docs citations

22
times ranked

1057
citing authors

#	ARTICLE	IF	CITATIONS
1	The population genetics of mutations: good, bad and indifferent. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 1153-1167.	4.0	163
2	Clonal polymorphism and high heterozygosity in the celibate genome of the Amazon molly. <i>Nature Ecology and Evolution</i> , 2018, 2, 669-679.	7.8	117
3	Estimating Selection on Nonsynonymous Mutations. <i>Genetics</i> , 2006, 172, 1079-1092.	2.9	111
4	Inferring the distribution of mutational effects on fitness in <i>Drosophila</i> . <i>Biology Letters</i> , 2006, 2, 426-430.	2.3	81
5	High Deleterious Genomic Mutation Rate in Stationary Phase of <i>Escherichia coli</i> . <i>Science</i> , 2003, 302, 1558-1560.	12.6	80
6	Quantifying the genomic decay paradox due to Muller's ratchet in human mitochondrial DNA. <i>Genetical Research</i> , 2006, 87, 133-159.	0.9	78
7	A framework for evolutionary systems biology. <i>BMC Systems Biology</i> , 2009, 3, 27.	3.0	65
8	Quantifying the threat of extinction from Muller's ratchet in the diploid Amazon molly (<i>Poecilia</i>). <i>Evolution</i> , 2010, 64, 1075-1082.	3.2	62
9	Background Selection in Single Genes May Explain Patterns of Codon Bias. <i>Genetics</i> , 2007, 175, 1381-1393.	2.9	60
10	On the potential for extinction by Muller's Ratchet in <i>Caenorhabditis elegans</i> . <i>BMC Evolutionary Biology</i> , 2008, 8, 125.	3.2	38
11	Global computing for bioinformatics. <i>Briefings in Bioinformatics</i> , 2002, 3, 377-388.	6.5	10
12	Stochasticity, Selection, and the Evolution of Cooperation in a Two-Level Moran Model of the Snowdrift Game. <i>Complexity</i> , 2018, 2018, 1-14.	1.6	10
13	Evolution@home: observations on participant choice, work unit variation and low-effort global computing. <i>Software - Practice and Experience</i> , 2007, 37, 1289-1318.	3.6	8
14	How Evolutionary Systems Biology Will Help Understand Adaptive Landscapes and Distributions of Mutational Effects. <i>Advances in Experimental Medicine and Biology</i> , 2012, 751, 399-410.	1.6	5
15	Lazy Updating of hubs can enable more realistic models by speeding up stochastic simulations. <i>Journal of Chemical Physics</i> , 2014, 141, 204109.	3.0	5
16	Evolvix BEST Names for semantic reproducibility across code2brain interfaces. <i>Annals of the New York Academy of Sciences</i> , 2017, 1387, 124-144.	3.8	1
17	Quantifying the implicit process flow abstraction in SBGN-PD diagrams with Bio-PEPA. <i>Electronic Proceedings in Theoretical Computer Science</i> , EPTCS, 0, 6, 93-107.	0.8	1