

# Claudia Bank

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9446176/publications.pdf>

Version: 2024-02-01

31  
papers

2,491  
citations

361413

20  
h-index

434195

31  
g-index

52  
all docs

52  
docs citations

52  
times ranked

3393  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomics and the origin of species. <i>Nature Reviews Genetics</i> , 2014, 15, 176-192.	16.3	850
2	The Limits to Parapatric Speciation: Dobzhansky's Muller Incompatibilities in a Continental Island Model. <i>Genetics</i> , 2012, 191, 845-863.	2.9	147
3	Influenza Virus Drug Resistance: A Time-Sampled Population Genetics Perspective. <i>PLoS Genetics</i> , 2014, 10, e1004185.	3.5	126
4	Evolution in the light of fitness landscape theory. <i>Trends in Ecology and Evolution</i> , 2019, 34, 69-82.	8.7	124
5	Thinking too positive? Revisiting current methods of population genetic selection inference. <i>Trends in Genetics</i> , 2014, 30, 540-546.	6.7	121
6	A Systematic Survey of an Intragenic Epistatic Landscape. <i>Molecular Biology and Evolution</i> , 2015, 32, 229-238.	8.9	118
7	SHIFTING FITNESS LANDSCAPES IN RESPONSE TO ALTERED ENVIRONMENTS. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 3512-3522.	2.3	114
8	On the (un)predictability of a large intragenic fitness landscape. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14085-14090.	7.1	104
9	A Bayesian MCMC Approach to Assess the Complete Distribution of Fitness Effects of New Mutations: Uncovering the Potential for Adaptive Walks in Challenging Environments. <i>Genetics</i> , 2014, 196, 841-852.	2.9	100
10	Deleterious mutation accumulation and the long-term fate of chromosomal inversions. <i>PLoS Genetics</i> , 2021, 17, e1009411.	3.5	71
11	Low mutational load and high mutation rate variation in gut commensal bacteria. <i>PLoS Biology</i> , 2020, 18, e3000617.	5.6	59
12	Renal control of disease tolerance to malaria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5681-5686.	7.1	58
13	Comprehensive fitness maps of Hsp90 show widespread environmental dependence. <i>ELife</i> , 2020, 9, .	6.0	49
14	On the importance of skewed offspring distributions and background selection in virus population genetics. <i>Heredity</i> , 2016, 117, 393-399.	2.6	48
15	A Statistical Guide to the Design of Deep Mutational Scanning Experiments. <i>Genetics</i> , 2016, 204, 77-87.	2.9	45
16	CAN REINFORCEMENT COMPLETE SPECIATION?. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 229-239.	2.3	44
17	An experimental evaluation of drug-induced mutational meltdown as an antiviral treatment strategy. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 2470-2484.	2.3	36
18	A Balance between Inhibitor Binding and Substrate Processing Confers Influenza Drug Resistance. <i>Journal of Molecular Biology</i> , 2016, 428, 538-553.	4.2	36

#	ARTICLE	IF	CITATIONS
19	In search of the Goldilocks zone for hybrid speciation. <i>PLoS Genetics</i> , 2018, 14, e1007613.	3.5	31
20	The Combined Effect of Oseltamivir and Favipiravir on Influenza A Virus Evolution. <i>Genome Biology and Evolution</i> , 2017, 9, 1913-1924.	2.5	28
21	Environment changes epistasis to alter tradeoffs along alternative evolutionary paths. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 2094-2105.	2.3	28
22	The fitness landscape of the codon space across environments. <i>Heredity</i> , 2018, 121, 422-437.	2.6	21
23	Two sides of the same coin: A population genetics perspective on lethal mutagenesis and mutational meltdown. <i>Virus Evolution</i> , 2017, 3, vex004.	4.9	19
24	The limits to parapatric speciation 3: evolution of strong reproductive isolation in presence of gene flow despite limited ecological differentiation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190532.	4.0	14
25	Homage to Felsenstein 1981, or why are there so few/many species?. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 978-988.	2.3	13
26	Understanding Admixture: Haplodiploidy to the Rescue. <i>Trends in Ecology and Evolution</i> , 2020, 35, 34-42.	8.7	12
27	The Adaptive Potential of the Middle Domain of Yeast Hsp90. <i>Molecular Biology and Evolution</i> , 2021, 38, 368-379.	8.9	10
28	Conflict between heterozygote advantage and hybrid incompatibility in haplodiploids (and sex) <i>Trends in Ecology and Evolution</i> , 2021, 36, 1075-1083.	3.9	8
29	Patterns of selection against centrosome amplification in human cell lines. <i>PLoS Computational Biology</i> , 2021, 17, e1008765.	3.2	8
30	The extinction time under mutational meltdown driven by high mutation rates. <i>Ecology and Evolution</i> , 2022, 12, .	1.9	4
31	Imbalanced segregation of recombinant haplotypes in hybrid populations reveals inter- and intrachromosomal Dobzhansky-Muller incompatibilities. <i>PLoS Genetics</i> , 2022, 18, e1010120.	3.5	2