

C Brandon Ogbunugafor

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

362
citations

1039406

9
h-index

996533

15
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41
all docs

41
docs citations

41
times ranked

450
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring the expanse between theoretical questions and experimental approaches in the modern study of evolvability. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2023, 340, 8-17.	0.6	2
2	The mutation effect reaction norm ($\mu\hat{\epsilon}r_n$) highlights environmentally dependent mutation effects and epistatic interactions. <i>Evolution; International Journal of Organic Evolution</i> , 2022, 76, 37-48.	1.1	12
3	The endoplasmic reticulum proteostasis network profoundly shapes the protein sequence space accessible to HIV envelope. <i>PLoS Biology</i> , 2022, 20, e3001569.	2.6	7
4	Molecular mechanisms and drivers of pathogen emergence. <i>Trends in Microbiology</i> , 2022, 30, 898-911.	3.5	19
5	Higher-Order Interactions in Biology: The Curious Case of Epistasis. <i>Understanding Complex Systems</i> , 2022, , 417-433.	0.3	3
6	Cholera dynamics: lessons from an epidemic. <i>Journal of Medical Microbiology</i> , 2021, 70, .	0.7	14
7	Variation in microparasite free-living survival and indirect transmission can modulate the intensity of emerging outbreaks. <i>Scientific Reports</i> , 2020, 10, 20786.	1.6	7
8	Direct transmission via households informs models of disease and intervention dynamics in cholera. <i>PLoS ONE</i> , 2020, 15, e0229837.	1.1	14
9	A Reflection on 50 Years of John Maynard Smith's "Protein Space". <i>Genetics</i> , 2020, 214, 749-754.	1.2	13
10	Experimental evolution for niche breadth in bacteriophage T4 highlights the importance of structural genes. <i>MicrobiologyOpen</i> , 2020, 9, e968.	1.2	2
11	The Epidemiological Signature of Pathogen Populations That Vary in the Relationship between Free-Living Parasite Survival and Virulence. <i>Viruses</i> , 2020, 12, 1055.	1.5	5
12	Genetic Background Modifies the Topography of a Fitness Landscape, Influencing the Dynamics of Adaptive Evolution. <i>IEEE Access</i> , 2019, 7, 113675-113683.	2.6	6
13	Hepatitis C virus modelled as an indirectly transmitted infection highlights the centrality of injection drug equipment in disease dynamics. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190334.	1.5	9
14	Lexical Landscapes as large in silico data for examining advanced properties of fitness landscapes. <i>PLoS ONE</i> , 2019, 14, e0220891.	1.1	6
15	Chimeric dihydrofolate reductases display properties of modularity and biophysical diversity. <i>Protein Science</i> , 2019, 28, 1359-1367.	3.1	3
16	Proteostasis Environment Shapes Higher-Order Epistasis Operating on Antibiotic Resistance. <i>Genetics</i> , 2019, 212, 565-575.	1.2	30
17	Competition along trajectories governs adaptation rates towards antimicrobial resistance. <i>Nature Ecology and Evolution</i> , 2017, 1, 7.	3.4	26
18	Quantifying Deception. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	A pivot mutation impedes reverse evolution across an adaptive landscape for drug resistance in <i>Plasmodium vivax</i> . <i>Malaria Journal</i> , 2016, 15, 40.	0.8	22
20	Adaptive Landscape by Environment Interactions Dictate Evolutionary Dynamics in Models of Drug Resistance. <i>PLoS Computational Biology</i> , 2016, 12, e1004710.	1.5	71
21	A New Take on John Maynard Smith's Concept of Protein Space for Understanding Molecular Evolution. <i>PLoS Computational Biology</i> , 2016, 12, e1005046.	1.5	5
22	OFFI Models: Novel Schema for Dynamical Modeling of Biological Systems. <i>PLoS ONE</i> , 2016, 11, e0156844.	1.1	2
23	Delayed transmission selects for increased survival of vesicular stomatitis virus. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 117-125.	1.1	24
24	Evolution of Increased Survival in RNA Viruses Specialized on Cancer-Derived Cells. <i>American Naturalist</i> , 2013, 181, 585-595.	1.0	13
25	Combining mathematics and empirical data to predict emergence of RNA viruses that differ in reservoir use. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 1919-1930.	1.8	8
26	On the possible role of robustness in the evolution of infectious diseases. <i>Chaos</i> , 2010, 20, 026108.	1.0	9