

Miriam Barlow

List of Publications by Year in descending order

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16
papers

1,062
citations

1040056

9
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

1506
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth Rates Made Easy. <i>Molecular Biology and Evolution</i> , 2014, 31, 232-238.	8.9	400
2	Origin and Evolution of the AmpC β -Lactamases of <i>Citrobacter freundii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 1190-1198.	3.2	151
3	Phylogenetic Analysis Shows That the OXA β -Lactamase Genes Have Been on Plasmids for Millions of Years. <i>Journal of Molecular Evolution</i> , 2002, 55, 314-321.	1.8	133
4	Predicting Evolutionary Potential: <i>In Vitro</i> Evolution Accurately Reproduces Natural Evolution of the TEM β -Lactamase. <i>Genetics</i> , 2002, 160, 823-832.	2.9	95
5	Experimental Prediction of the Natural Evolution of Antibiotic Resistance. <i>Genetics</i> , 2003, 163, 1237-1241.	2.9	61
6	Rational Design of Antibiotic Treatment Plans: A Treatment Strategy for Managing Evolution and Reversing Resistance. <i>PLoS ONE</i> , 2015, 10, e0122283.	2.5	52
7	Designing Antibiotic Cycling Strategies by Determining and Understanding Local Adaptive Landscapes. <i>PLoS ONE</i> , 2013, 8, e56040.	2.5	48
8	Adaptive Landscapes of Resistance Genes Change as Antibiotic Concentrations Change. <i>Molecular Biology and Evolution</i> , 2015, 32, 2707-2715.	8.9	47
9	Experimental Prediction of the Evolution of Cefepime Resistance From the CMY-2 AmpC β -Lactamase. <i>Genetics</i> , 2003, 164, 23-29.	2.9	42
10	Statistical Package for Growth Rates Made Easy. <i>Molecular Biology and Evolution</i> , 2017, 34, 3303-3309.	8.9	10
11	Does Antibiotic Resistance Evolve in Hospitals?. <i>Bulletin of Mathematical Biology</i> , 2017, 79, 191-208.	1.9	8
12	Clustering <i>Acinetobacter</i> Strains by Optical Mapping. <i>Genome Biology and Evolution</i> , 2013, 5, 1176-1184.	2.5	5
13	Adaptive Processes Change as Multiple Functions Evolve. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	3.2	4
14	Using Complete Genome Comparisons to Identify Sequences Whose Presence Accurately Predicts Clinically Important Phenotypes. <i>PLoS ONE</i> , 2013, 8, e68901.	2.5	3
15	Growth rate assays reveal fitness consequences of β -lactamases. <i>PLoS ONE</i> , 2020, 15, e0228240.	2.5	3
16	Distribution of β -Lactamase Genes in Clinical Isolates from California Central Valley Hospital Deviates from the United States Nationwide Trends. <i>Antibiotics</i> , 2021, 10, 498.	3.7	0