Miriam Barlow

List of Publications by Year
in descending order

16 papers	1,062 citations	1039880 9 h-index	996849 15 g-index
16 all docs	16 docs citations	16 times ranked	1506 citing authors

#	ARTICLE	IF	CITATIONS
1	Growth Rates Made Easy. Molecular Biology and Evolution, 2014, 31, 232-238.	3.5	400
2	Origin and Evolution of the AmpC Î²-Lactamases of Citrobacter freundii. Antimicrobial Agents and Chemotherapy, 2002, 46, 1190-1198.	1.4	151
3	Phylogenetic Analysis Shows That the OXA b-Lactamase Genes Have Been on Plasmids for Millions of Years. Journal of Molecular Evolution, 2002, 55, 314-321.	0.8	133
4	Predicting Evolutionary Potential: <i>In Vitro</i> Evolution Accurately Reproduces Natural Evolution of the TEM Î²-Lactamase. Genetics, 2002, 160, 823-832.	1.2	95
5	Experimental Prediction of the Natural Evolution of Antibiotic Resistance. Genetics, 2003, 163, 1237-1241.	1.2	61
6	Rational Design of Antibiotic Treatment Plans: A Treatment Strategy for Managing Evolution and Reversing Resistance. PLoS ONE, 2015, 10, e0122283.	1.1	52
7	Designing Antibiotic Cycling Strategies by Determining and Understanding Local Adaptive Landscapes. PLoS ONE, 2013, 8, e56040.	1.1	48
8	Adaptive Landscapes of Resistance Genes Change as Antibiotic Concentrations Change. Molecular Biology and Evolution, 2015, 32, 2707-2715.	3.5	47
9	Experimental Prediction of the Evolution of Cefepime Resistance From the CMY-2 AmpC Î²-Lactamase. Genetics, 2003, 164, 23-29.	1.2	42
10	Statistical Package for Growth Rates Made Easy. Molecular Biology and Evolution, 2017, 34, 3303-3309.	3.5	10
11	Does Antibiotic Resistance Evolve in Hospitals?. Bulletin of Mathematical Biology, 2017, 79, 191-208.	0.9	8
12	Clustering Acinetobacter Strains by Optical Mapping. Genome Biology and Evolution, 2013, 5, 1176-1184.	1.1	5
13	Adaptive Processes Change as Multiple Functions Evolve. Antimicrobial Agents and Chemotherapy, 2021, 65, .	1.4	4
14	Using Complete Genome Comparisons to Identify Sequences Whose Presence Accurately Predicts Clinically Important Phenotypes. PLoS ONE, 2013, 8, e68901.	1.1	3
15	Growth rate assays reveal fitness consequences of Î²-lactamases. PLoS ONE, 2020, 15, e0228240.	1.1	3
16	Distribution of Î²-Lactamase Genes in Clinical Isolates from California Central Valley Hospital Deviates from the United States Nationwide Trends. Antibiotics, 2021, 10, 498.	1.5	0