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	Adaptive Processes Change as Multiple Functions Evolve. Antimicrobial Agents and Chemotherapy, 2021, 65, .	1.4	4
2	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
3	Growth rate assays reveal fitness consequences of Î²-lactamases. PLoS ONE, 2020, 15, e0228240.	1.1	3
4	Does Antibiotic Resistance Evolve in Hospitals?. Bulletin of Mathematical Biology, 2017, 79, 191-208.	0.9	8
5	Statistical Package for Growth Rates Made Easy. Molecular Biology and Evolution, 2017, 34, 3303-3309.	3.5	10
6	Adaptive Landscapes of Resistance Genes Change as Antibiotic Concentrations Change. Molecular Biology and Evolution, 2015, 32, 2707-2715.	3.5	47
7	Rational Design of Antibiotic Treatment Plans: A Treatment Strategy for Managing Evolution and Reversing Resistance. PLoS ONE, 2015, 10, e0122283.	1.1	52
8	Growth Rates Made Easy. Molecular Biology and Evolution, 2014, 31, 232-238.	3.5	400
9	Clustering Acinetobacter Strains by Optical Mapping. Genome Biology and Evolution, 2013, 5, 1176-1184.	1.1	5
10	Designing Antibiotic Cycling Strategies by Determining and Understanding Local Adaptive Landscapes. PLoS ONE, 2013, 8, e56040.	1.1	48
11	Using Complete Genome Comparisons to Identify Sequences Whose Presence Accurately Predicts Clinically Important Phenotypes. PLoS ONE, 2013, 8, e68901.	1.1	3
12	Experimental Prediction of the Natural Evolution of Antibiotic Resistance. Genetics, 2003, 163, 1237-1241.	1.2	61
13	Experimental Prediction of the Evolution of Cefepime Resistance From the CMY-2 AmpC Î²-Lactamase. Genetics, 2003, 164, 23-29.	1.2	42
14	Origin and Evolution of the AmpC Î²-Lactamases of Citrobacter freundii. Antimicrobial Agents and Chemotherapy, 2002, 46, 1190-1198.	1.4	151
15	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
16	Predicting Evolutionary Potential: In Vitro Evolution Accurately Reproduces Natural Evolution of the TEM Î²-Lactamase. Genetics, 2002, 160, 823-832.	1.2	95