

Alison J Baylay

List of Publications by Year in descending order

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13
papers

4,892
citations

840776

11
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

8812
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular mechanisms of antibiotic resistance. <i>Nature Reviews Microbiology</i> , 2015, 13, 42-51.	28.6	2,836
2	The Comprehensive Antibiotic Resistance Database. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 3348-3357.	3.2	1,615
3	AcrB drug-binding pocket substitution confers clinically relevant resistance and altered substrate specificity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3511-3516.	7.1	165
4	Overexpression of <i>patA</i> and <i>patB</i> , Which Encode ABC Transporters, Is Associated with Fluoroquinolone Resistance in Clinical Isolates of <i>Streptococcus pneumoniae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 190-196.	3.2	59
5	Phosphite utilization by the globally important marine diazotroph <i>Trichodesmium</i> . <i>Environmental Microbiology Reports</i> , 2015, 7, 824-830.	2.4	48
6	New insights into the distributions of nitrogen fixation and diazotrophs revealed by high-resolution sensing and sampling methods. <i>ISME Journal</i> , 2020, 14, 2514-2526.	9.8	38
7	Clinically relevant fluoroquinolone resistance due to constitutive overexpression of the PatAB ABC transporter in <i>Streptococcus pneumoniae</i> is conferred by disruption of a transcriptional attenuator. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 670-679.	3.0	30
8	Desert Dust as a Source of Iron to the Globally Important Diazotroph <i>Trichodesmium</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 2683.	3.5	27
9	A Novel Gene Amplification Causes Upregulation of the PatAB ABC Transporter and Fluoroquinolone Resistance in <i>Streptococcus pneumoniae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 3098-3108.	3.2	24
10	Structural and functional characterization of IdiA/FutA (Tery_3377), an iron-binding protein from the ocean diazotroph <i>Trichodesmium erythraeum</i> . <i>Journal of Biological Chemistry</i> , 2018, 293, 18099-18109.	3.4	17
11	An inducible expression system in the alga <i>Nannochloropsis gaditana</i> controlled by the nitrate reductase promoter. <i>Journal of Applied Phycology</i> , 2019, 31, 269-279.	2.8	14
12	Directing cyanobacterial photosynthesis in a cytochrome <i>c</i> oxidase mutant using a heterologous electron sink. <i>Plant Physiology</i> , 2022, 189, 2554-2566.	4.8	9
13	Spatial variation in the gastrointestinal microbiome, diet, and nutritional condition of a juvenile flatfish among coastal habitats. <i>Marine Environmental Research</i> , 2021, 170, 105413.	2.5	6