

Antibiotic tolerance facilitates the evolution of resistance

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Why tolerance invites resistance. <i>Science</i> , 2017, 355, 796-796.	6.0	33
2	Biased inheritance protects older bacteria from harm. <i>Science</i> , 2017, 356, 247-248.	6.0	3
3	Discovery of potential antifungal triazoles: design, synthesis, biological evaluation, and preliminary antifungal mechanism exploration. <i>MedChemComm</i> , 2017, 8, 1631-1639.	3.5	40
4	Persistent bacterial infections and persister cells. <i>Nature Reviews Microbiology</i> , 2017, 15, 453-464.	13.6	805
5	An Experimental Framework for Quantifying Bacterial Tolerance. <i>Biophysical Journal</i> , 2017, 112, 2664-2671.	0.2	89
6	Why is scientific research on "data-poor" microorganisms being ignored?. <i>Future Microbiology</i> , 2017, 12, 645-650.	1.0	0
7	Alternative Evolutionary Paths to Bacterial Antibiotic Resistance Cause Distinct Collateral Effects. <i>Molecular Biology and Evolution</i> , 2017, 34, 2229-2244.	3.5	133
8	Diversity breeds tolerance. <i>Nature</i> , 2017, 546, 44-45.	13.7	1
9	Premature lambs grown in a bag. <i>Nature</i> , 2017, 546, 45-46.	13.7	3
10	Tuning of the Lethal Response to Multiple Stressors with a Single-Site Mutation during Clinical Infection by <i>Staphylococcus aureus</i> . <i>MBio</i> , 2017, 8, .	1.8	15
11	Antibiotic efficacy "context matters". <i>Current Opinion in Microbiology</i> , 2017, 39, 73-80.	2.3	71
12	Sleeper cells: the stringent response and persistence in the <i>Borrelia burgdorferi</i> enzootic cycle. <i>Environmental Microbiology</i> , 2017, 19, 3846-3862.	1.8	32
13	Magnetotactic Bacteria Powered Biohybrids Target <i>E. coli</i> Biofilms. <i>ACS Nano</i> , 2017, 11, 9968-9978.	7.3	154
14	An Antipersister Strategy for Treatment of Chronic <i>Pseudomonas aeruginosa</i> Infections. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	32
15	Kunkel Lecture: Fundamental immunodeficiency and its correction. <i>Journal of Experimental Medicine</i> , 2017, 214, 2175-2191.	4.2	9
16	Evolution of corresponding resistance genes in the water of fish tanks with multiple stresses of antibiotics and heavy metals. <i>Water Research</i> , 2017, 124, 39-48.	5.3	117
17	Antibiotic adjuvants "A strategy to unlock bacterial resistance to antibiotics. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 4221-4228.	1.0	175
18	Understanding and Sensitizing Density-Dependent Persistence to Quinolone Antibiotics. <i>Molecular Cell</i> , 2017, 68, 1147-1154.e3.	4.5	105

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19	Quantitative and synthetic biology approaches to combat bacterial pathogens. <i>Current Opinion in Biomedical Engineering</i> , 2017, 4, 116-126.	1.8	4
20	Modifications in the <i>pmrB</i> gene are the primary mechanism for the development of chromosomally encoded resistance to polymyxins in uropathogenic <i>Escherichia coli</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, 2729-2736.	1.3	41
21	On the Race to Starvation: How Do Bacteria Survive High Doses of Antibiotics?. <i>Molecular Cell</i> , 2017, 68, 1019-1021.	4.5	4
22	Influence of Stress and Antibiotic Resistance on Cell-Length Distribution in <i>Mycobacterium tuberculosis</i> Clinical Isolates. <i>Frontiers in Microbiology</i> , 2017, 8, 2296.	1.5	49
23	Investigating the physiology of viable but non-culturable bacteria by microfluidics and time-lapse microscopy. <i>BMC Biology</i> , 2017, 15, 121.	1.7	126
24	Novel Staphyloxanthin Inhibitors with Improved Potency against Multidrug Resistant <i>Staphylococcus aureus</i> . <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 233-237.	1.3	8
25	Relationship between Tolerance and Persistence Mechanisms in <i>Acinetobacter baumannii</i> Strains with <i>AbkAB</i> Toxin-Antitoxin System. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	18
26	Antibiotic Stimulation of a <i>Bacillus subtilis</i> Migratory Response. <i>MSphere</i> , 2018, 3, .	1.3	35
27	Targeting Antibiotic Tolerance, Pathogen by Pathogen. <i>Cell</i> , 2018, 172, 1228-1238.	13.5	139
28	Trade-offs between microbial growth phases lead to frequency-dependent and non-transitive selection. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172459.	1.2	31
29	Novel naphthalimide nitroimidazoles as multitargeting antibacterial agents against resistant <i>Acinetobacter baumannii</i> . <i>Future Medicinal Chemistry</i> , 2018, 10, 711-724.	1.1	36
30	Fighting bacterial persistence: Current and emerging anti-persister strategies and therapeutics. <i>Drug Resistance Updates</i> , 2018, 38, 12-26.	6.5	167
31	<i>AldB</i> controls persister formation in <i>Escherichia coli</i> depending on environmental stress. <i>Microbiology and Immunology</i> , 2018, 62, 299-309.	0.7	8
32	Drug persistence – From antibiotics to cancer therapies. <i>Current Opinion in Systems Biology</i> , 2018, 10, 1-8.	1.3	26
33	<i>RbpA</i> and <i>YfB</i> association regulates polyphosphate levels to modulate mycobacterial isoniazid tolerance. <i>Molecular Microbiology</i> , 2018, 108, 627-640.	1.2	13
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35	Effect of tetracycline on microbial community structure associated with enhanced biological N&P removal in sequencing batch reactor. <i>Bioresource Technology</i> , 2018, 256, 414-420.	4.8	55
36	Meiotic Recombination: Genetics – Good Old Scalpel. <i>Cell</i> , 2018, 172, 391-392.	13.5	0

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38	Antibiotic killing through oxidized nucleotides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1967-1969.	3.3	9
39	Partnership of <i>Arthrobacter</i> and <i>Pimelobacter</i> in Aerobic Degradation of Sulfadiazine Revealed by Metagenomics Analysis and Isolation. <i>Environmental Science & Technology</i> , 2018, 52, 2963-2972.	4.6	26
40	Discovery of 2-aminothiazolyl berberine derivatives as effectively antibacterial agents toward clinically drug-resistant Gram-negative <i>Acinetobacter baumannii</i> . <i>European Journal of Medicinal Chemistry</i> , 2018, 146, 15-37.	2.6	83
41	Leveraging and coping with uncertainty in the response of individual cells to therapy. <i>Current Opinion in Biotechnology</i> , 2018, 51, 109-115.	3.3	17
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49	Bacterial Adaptation to Antibiotics through Regulatory RNAs. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	61
50	Reduced Susceptibility to Antiseptics Is Conferred by Heterologous Housekeeping Genes. <i>Microbial Drug Resistance</i> , 2018, 24, 105-112.	0.9	11
51	Stress Introduction Rate Alters the Benefit of AcrAB-TolC Efflux Pumps. <i>Journal of Bacteriology</i> , 2018, 200, .	1.0	27
52	Biomedical applications of genome-scale metabolic network reconstructions of human pathogens. <i>Current Opinion in Biotechnology</i> , 2018, 51, 70-79.	3.3	30
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64	Antibiotic export by efflux pumps affects growth of neighboring bacteria. Scientific Reports, 2018, 8, 15120.	1.6	18
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