

Evolutionary highways to persistent bacterial infection

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Adapting to the Airways: Metabolic Requirements of <i>Pseudomonas aeruginosa</i> during the Infection of Cystic Fibrosis Patients. <i>Metabolites</i> , 2019, 9, 234.	1.3	46
2	Evaluation of Structure–Function Relationships of Aggregation-Induced Emission Luminogens for Simultaneous Dual Applications of Specific Discrimination and Efficient Photodynamic Killing of Gram-Positive Bacteria. <i>Journal of the American Chemical Society</i> , 2019, 141, 16781-16789.	6.6	295
3	Ultrasound-mediated therapies for the treatment of biofilms in chronic wounds: a review of present knowledge. <i>Microbial Biotechnology</i> , 2020, 13, 613-628.	2.0	53
4	Bacterial survival: evolve and adapt or perish. <i>Nature Reviews Microbiology</i> , 2020, 18, 5-5.	13.6	6
5	Immunological Effects of Aggregation-Induced Emission Materials. <i>Frontiers in Immunology</i> , 2020, 11, 575816.	2.2	10
6	The Enemy of my Enemy: Bacterial Competition in the Cystic Fibrosis Lung. <i>Cell Host and Microbe</i> , 2020, 28, 502-504.	5.1	1
7	<i>In Vitro</i> Studies of Persister Cells. <i>Microbiology and Molecular Biology Reviews</i> , 2020, 84, .	2.9	42
8	Host Adaptation Predisposes <i>Pseudomonas aeruginosa</i> to Type VI Secretion System-Mediated Predation by the <i>Burkholderia cepacia</i> Complex. <i>Cell Host and Microbe</i> , 2020, 28, 534-547.e3.	5.1	34
9	Evolutionary causes and consequences of bacterial antibiotic persistence. <i>Nature Reviews Microbiology</i> , 2020, 18, 479-490.	13.6	113
10	Pathogen to commensal? Longitudinal within-host population dynamics, evolution, and adaptation during a chronic >16-year <i>Burkholderia pseudomallei</i> infection. <i>PLoS Pathogens</i> , 2020, 16, e1008298.	2.1	12
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13	Allelic polymorphism shapes community function in evolving <i>Pseudomonas aeruginosa</i> populations. <i>ISME Journal</i> , 2020, 14, 1929-1942.	4.4	47
14	Common Adaptive Strategies Underlie Within-Host Evolution of Bacterial Pathogens. <i>Molecular Biology and Evolution</i> , 2021, 38, 1101-1121.	3.5	28
15	Persistence as an Optimal Hedging Strategy. <i>Biophysical Journal</i> , 2021, 120, 133-142.	0.2	12
16	<i>Pseudomonas aeruginosa</i> adaptation and evolution in patients with cystic fibrosis. <i>Nature Reviews Microbiology</i> , 2021, 19, 331-342.	13.6	213
17	Omics-based tracking of <i>Pseudomonas aeruginosa</i> persistence in “eradicating” cystic fibrosis patients. <i>European Respiratory Journal</i> , 2021, 57, 2000512.	3.1	20
18	Evolutionary Genomics of Niche-Specific Adaptation to the Cystic Fibrosis Lung in <i>Pseudomonas aeruginosa</i> . <i>Molecular Biology and Evolution</i> , 2021, 38, 663-675.	3.5	18

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19	Within-Host Microevolution of <i>Pseudomonas aeruginosa</i> Urinary Isolates: A Seven-Patient Longitudinal Genomic and Phenotypic Study. <i>Frontiers in Microbiology</i> , 2020, 11, 611246.	1.5	10
20	Evolution of Antibiotic Tolerance Shapes Resistance Development in Chronic <i>Pseudomonas aeruginosa</i> Infections. <i>MBio</i> , 2021, 12, .	1.8	59
21	Comparative genomics of ST5 and ST30 methicillin-resistant <i>Staphylococcus aureus</i> sequential isolates recovered from paediatric patients with cystic fibrosis. <i>Microbial Genomics</i> , 2021, 7, .	1.0	5
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25	Near-infrared Aza-BODIPY Dyes Through Molecular Surgery for Enhanced Photothermal and Photodynamic Antibacterial Therapy. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 951-959.	1.3	26
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27	High-throughput dilution-based growth method enables time-resolved exometabolomics of <i>Pseudomonas putida</i> and <i>Pseudomonas aeruginosa</i> . <i>Microbial Biotechnology</i> , 2021, 14, 2214-2226.	2.0	14
28	Multidimensional Clinical Surveillance of <i>Pseudomonas aeruginosa</i> Reveals Complex Relationships between Isolate Source, Morphology, and Antimicrobial Resistance. <i>MSphere</i> , 2021, 6, e0039321.	1.3	3
29	Bacterial evolution during human infection: Adapt and live or adapt and die. <i>PLoS Pathogens</i> , 2021, 17, e1009872.	2.1	33
30	Nanogels: A novel approach in antimicrobial delivery systems and antimicrobial coatings. <i>Bioactive Materials</i> , 2021, 6, 3634-3657.	8.6	63
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40	Fast Broad-Spectrum Staining and Photodynamic Inhibition of Pathogenic Microorganisms by a Water-Soluble Aggregation-Induced Emission Photosensitizer. <i>Frontiers in Chemistry</i> , 2021, 9, 755419.	1.8	17
43	Comparison of Whole Genome Sequencing and Repetitive Element PCR for Multidrug-Resistant <i>Pseudomonas aeruginosa</i> Strain Typing. <i>Journal of Molecular Diagnostics</i> , 2021, , .	1.2	3

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44	Genome evolution drives transcriptomic and phenotypic adaptation in <i>Pseudomonas aeruginosa</i> during 20 years of infection. <i>Microbial Genomics</i> , 2021, 7, .	1.0	14
46	The fast-growing field of photo-driven theranostics based on aggregation-induced emission. <i>Chemical Society Reviews</i> , 2022, 51, 1983-2030.	18.7	168
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48	Evolution of biofilm-adapted gene expression profiles in <i>lasR</i> -deficient clinical <i>Pseudomonas aeruginosa</i> isolates. <i>Npj Biofilms and Microbiomes</i> , 2022, 8, 6.	2.9	17
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57	Î²-Lactamase-Responsive Probe for Efficient Photodynamic Therapy of Drug-Resistant Bacterial Infection. <i>ACS Sensors</i> , 2022, 7, 1361-1371.	4.0	6
58	Fluorescent dyes with multiple quaternary ammonium centers for specific image discrimination and Gram-positive antibacterial activity. <i>Organic and Biomolecular Chemistry</i> , 2022, , .	1.5	1
59	Self-assembly CuO-loaded nanocomposite involving functionalized DNA with dihydromyricetin for water-based efficient and controllable antibacterial action. , 2022, 137, 212847.		2
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67	Cyclic-di-GMP signaling controls metabolic activity in <i>Pseudomonas aeruginosa</i> . <i>Cell Reports</i> , 2022, 41, 111515.	2.9	17
68	New concepts in antimicrobial resistance in cystic fibrosis respiratory infections. <i>Journal of Cystic Fibrosis</i> , 2022, 21, 937-945.	0.3	9
69	Parallel Evolution of <i>Pseudomonas aeruginosa</i> during a Prolonged ICU-Infection Outbreak. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	3
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72	NIR-II xanthene dyes with structure-inherent bacterial targeting for efficient photothermal and broad-spectrum antibacterial therapy. <i>Acta Biomaterialia</i> , 2023, 159, 247-258.	4.1	7
73	Membrane-targeting amphiphilic AIE photosensitizer for broad-spectrum bacteria imaging and photodynamic killing of bacteria. <i>Chinese Chemical Letters</i> , 2023, 34, 108160.	4.8	7
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