

Jeffrey A Melvin

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

934
citations

623734

14
h-index

794594

19
g-index

22
all docs

22
docs citations

22
times ranked

1460
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | <i>Bordetella pertussis</i> pathogenesis: current and future challenges. <i>Nature Reviews Microbiology</i> , 2014, 12, 274-288. | 28.6 | 279 |
| 2 | Sortase transpeptidases: Insights into mechanism, substrate specificity, and inhibition. <i>Biopolymers</i> , 2010, 94, 385-396. | 2.4 | 163 |
| 3 | Quantitative Framework for Model Evaluation in Microbiology Research Using <i>Pseudomonas aeruginosa</i> and Cystic Fibrosis Infection as a Test Case. <i>MBio</i> , 2020, 11, . | 4.1 | 86 |
| 4 | Engineered cationic antimicrobial peptide (eCAP) prevents <i>Pseudomonas aeruginosa</i> biofilm growth on airway epithelial cells. <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 2200-2207. | 3.0 | 50 |
| 5 | Biochemical and Cellular Characterization and Inhibitor Discovery of <i>Pseudomonas aeruginosa</i> 15-Lipoxygenase. <i>Biochemistry</i> , 2016, 55, 3329-3340. | 2.5 | 39 |
| 6 | Autocatalytic Intramolecular Isopeptide Bond Formation in Gram-Positive Bacterial Pili: A QM/MM Simulation. <i>Journal of the American Chemical Society</i> , 2011, 133, 478-485. | 13.7 | 36 |
| 7 | <i>Pseudomonas aeruginosa</i> Contact-Dependent Growth Inhibition Plays Dual Role in Host-Pathogen Interactions. <i>MSphere</i> , 2017, 2, . | 2.9 | 36 |
| 8 | Compromised Defenses: Exploitation of Epithelial Responses During Viral-Bacterial Co-Infection of the Respiratory Tract. <i>PLoS Pathogens</i> , 2016, 12, e1005797. | 4.7 | 33 |
| 9 | New Insight into Filamentous Hemagglutinin Secretion Reveals a Role for Full-Length FhaB in <i>Bordetella</i> Virulence. <i>MBio</i> , 2015, 6, . | 4.1 | 28 |
| 10 | Simultaneous Antibiofilm and Antiviral Activities of an Engineered Antimicrobial Peptide during Virus-Bacterium Coinfection. <i>MSphere</i> , 2016, 1, . | 2.9 | 27 |
| 11 | Cooperative Roles for Fimbria and Filamentous Hemagglutinin in <i>Bordetella</i> Adherence and Immune Modulation. <i>MBio</i> , 2015, 6, e00500-15. | 4.1 | 26 |
| 12 | Extracellular vesicles promote transkingdom nutrient transfer during viral-bacterial co-infection. <i>Cell Reports</i> , 2021, 34, 108672. | 6.4 | 25 |
| 13 | The prodomain of the <i>Bordetella</i> two-partner secretion pathway protein <i>FhaB</i> remains intracellular yet affects the conformation of the mature <i>C</i> -terminal domain. <i>Molecular Microbiology</i> , 2012, 86, 988-1006. | 2.5 | 22 |
| 14 | <i>Bordetella</i> adenylate cyclase toxin interacts with filamentous haemagglutinin to inhibit biofilm formation <i>in vitro</i> . <i>Molecular Microbiology</i> , 2017, 103, 214-228. | 2.5 | 22 |
| 15 | Adaptation and genomic erosion in fragmented <i>Pseudomonas aeruginosa</i> populations in the sinuses of people with cystic fibrosis. <i>Cell Reports</i> , 2021, 37, 109829. | 6.4 | 19 |
| 16 | Volatile fingerprinting of <i>Pseudomonas aeruginosa</i> and respiratory syncytial virus infection in an <i>in vitro</i> cystic fibrosis co-infection model. <i>Journal of Breath Research</i> , 2018, 12, 046001. | 3.0 | 15 |
| 17 | Clinical potential of engineered cationic antimicrobial peptides against drug resistant biofilms. <i>Expert Review of Anti-Infective Therapy</i> , 2016, 14, 989-991. | 4.4 | 13 |
| 18 | <i>Staphylococcus aureus</i> Sortase A Contributes to the Trojan Horse Mechanism of Immune Defense Evasion with Its Intrinsic Resistance to Cys184 Oxidation. <i>Biochemistry</i> , 2011, 50, 7591-7599. | 2.5 | 11 |

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|----|--------------------------------|----|-----------|
| 19 | Sortases. , 2013, , 2459-2465. | | 2 |