

# Courtney E Chandler

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8175057/publications.pdf>

Version: 2024-02-01

28  
papers

873  
citations

567144

15  
h-index

552653

26  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1413  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacterial medium-chain 3-hydroxy fatty acid metabolites trigger immunity in <i>Arabidopsis</i> plants. <i>Science</i> , 2019, 364, 178-181.	6.0	145
2	Structural Modification of Lipopolysaccharide Conferred by <i>mcr-1</i> in Gram-Negative ESKAPE Pathogens. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	96
3	Probing the sRNA regulatory landscape of <i>P. aeruginosa</i> : post-transcriptional control of determinants of pathogenicity and antibiotic susceptibility. <i>Molecular Microbiology</i> , 2017, 106, 919-937.	1.2	91
4	Bacterial lipids: powerful modifiers of the innate immune response. <i>F1000Research</i> , 2017, 6, 1334.	0.8	77
5	Genomic and Phenotypic Diversity among Ten Laboratory Isolates of <i>Pseudomonas aeruginosa</i> PAO1. <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	56
6	Rapid Microbial Identification and Antibiotic Resistance Detection by Mass Spectrometric Analysis of Membrane Lipids. <i>Analytical Chemistry</i> , 2019, 91, 1286-1294.	3.2	39
7	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
8	Rapid microbial identification and colistin resistance detection via MALDI-TOF MS using a novel on-target extraction of membrane lipids. <i>Scientific Reports</i> , 2020, 10, 21536.	1.6	34
9	Repurposing Eukaryotic Kinase Inhibitors as Colistin Adjuvants in Gram-Negative Bacteria. <i>ACS Infectious Diseases</i> , 2019, 5, 1764-1771.	1.8	26
10	Tryptamine derivatives disarm colistin resistance in polymyxin-resistant gram-negative bacteria. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 1776-1788.	1.4	25
11	Small molecule adjuvants that suppress both chromosomal and <i>mcr-1</i> encoded colistin-resistance and amplify colistin efficacy in polymyxin-susceptible bacteria. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 5749-5753.	1.4	22
12	Early evolutionary loss of the lipid A modifying enzyme PagP resulting in innate immune evasion in <i>Yersinia pestis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22984-22991.	3.3	22
13	A Prospective Study of <i>Acinetobacter baumannii</i> Complex Isolates and Colistin Susceptibility Monitoring by Mass Spectrometry of Microbial Membrane Glycolipids. <i>Journal of Clinical Microbiology</i> , 2019, 57, .	1.8	21
14	Deep-sea microbes as tools to refine the rules of innate immune pattern recognition. <i>Science Immunology</i> , 2021, 6, .	5.6	21
15	Rapid lipid a structure determination via surface acoustic wave nebulization and hierarchical tandem mass spectrometry algorithm. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2555-2560.	0.7	20
16	Small Molecule Potentiation of Gram-Positive Selective Antibiotics against <i>Acinetobacter baumannii</i> . <i>ACS Infectious Diseases</i> , 2019, 5, 1223-1230.	1.8	20
17	<i>Rickettsia</i> Lipid A Biosynthesis Utilizes the Late Acyltransferase LpxJ for Secondary Fatty Acid Addition. <i>Journal of Bacteriology</i> , 2018, 200, .	1.0	17
18	Efflux Pumps of <i>Burkholderia thailandensis</i> Control the Permeability Barrier of the Outer Membrane. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	17

#	ARTICLE	IF	CITATIONS
19	On-Tissue Derivatization of Lipopolysaccharide for Detection of Lipid A Using MALDI-MSI. <i>Analytical Chemistry</i> , 2020, 92, 13667-13671.	3.2	15
20	Model-Based Spectral Library Approach for Bacterial Identification via Membrane Glycolipids. <i>Analytical Chemistry</i> , 2019, 91, 11482-11487.	3.2	14
21	<i>In Vivo</i> Intradermal Delivery of Bacteria by Using Microneedle Arrays. <i>Infection and Immunity</i> , 2018, 86, .	1.0	12
22	Lipid A Structural Divergence in <i>Rickettsia</i> Pathogens. <i>MSphere</i> , 2021, 6, .	1.3	11
23	Maintenance of Deep Lung Architecture and Automated Airway Segmentation for 3D Mass Spectrometry Imaging. <i>Scientific Reports</i> , 2019, 9, 20160.	1.6	10
24	A Novel Lipid-Based MALDI-TOF Assay for the Rapid Detection of Colistin-Resistant <i>Enterobacter</i> Species. <i>Microbiology Spectrum</i> , 2022, 10, e0144521.	1.2	9
25	Lipid A Structural Determination from a Single Colony. <i>Analytical Chemistry</i> , 2022, 94, 7460-7465.	3.2	9
26	The UDP-GalNAcA biosynthesis genes <i>gna</i> and <i>gne2</i> are required to maintain cell envelope integrity and <i>in vivo</i> fitness in multi-drug resistant <i>Acinetobacter baumannii</i> . <i>Molecular Microbiology</i> , 2020, 113, 153-172.	1.2	7
27	Review of the Third Conference of the Imaging Mass Spectrometry Society (IMSS 3): Accounts of a Hybrid Virtual and In-Person Meeting and the State and Future of the Field. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 238-241.	1.2	2
28	Pathogen Sensing: Toll-Like Receptors and NODs (Innate Immunity). , 2019, , .		1