

Medini K Annavajhala

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6811940/publications.pdf>

Version: 2024-02-01

40
papers

1,579
citations

394421

19
h-index

361022

35
g-index

44
all docs

44
docs citations

44
times ranked

2617
citing authors

#	ARTICLE	IF	CITATIONS
1	Multidrug-Resistant <i>Enterobacter cloacae</i> Complex Emerging as a Global, Diversifying Threat. <i>Frontiers in Microbiology</i> , 2019, 10, 44.	3.5	211
2	Successive Emergence of Ceftazidime-Avibactam Resistance through Distinct Genomic Adaptations in <i>bla</i> _{KPC-2} -Harboring <i>Klebsiella pneumoniae</i> Sequence Type 307 Isolates. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	162
3	Pathogen colonization of the gastrointestinal microbiome at intensive care unit admission and risk for subsequent death or infection. <i>Intensive Care Medicine</i> , 2018, 44, 1203-1211.	8.2	121
4	Comammox Functionality Identified in Diverse Engineered Biological Wastewater Treatment Systems. <i>Environmental Science and Technology Letters</i> , 2018, 5, 110-116.	8.7	118
5	Emergence and expansion of SARS-CoV-2 B.1.526 after identification in New York. <i>Nature</i> , 2021, 597, 703-708.	27.8	103
6	<i>Staphylococcus aureus</i> induces an itaconate-dominated immunometabolic response that drives biofilm formation. <i>Nature Communications</i> , 2021, 12, 1399.	12.8	72
7	Colonizing multidrug-resistant bacteria and the longitudinal evolution of the intestinal microbiome after liver transplantation. <i>Nature Communications</i> , 2019, 10, 4715.	12.8	70
8	Genomic and Geographic Context for the Evolution of High-Risk Carbapenem-Resistant <i>Enterobacter cloacae</i> Complex Clones ST171 and ST78. <i>MBio</i> , 2018, 9, .	4.1	67
9	Carbapenemase-producing <i>Enterobacterales</i> causing secondary infections during the COVID-19 crisis at a New York City hospital. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 380-384.	3.0	58
10	Emergence of Polymyxin Resistance in Clinical <i>Klebsiella pneumoniae</i> Through Diverse Genetic Adaptations: A Genomic, Retrospective Cohort Study. <i>Clinical Infectious Diseases</i> , 2020, 70, 2084-2091.	5.8	45
11	Oral and Gut Microbial Diversity and Immune Regulation in Patients with HIV on Antiretroviral Therapy. <i>MSphere</i> , 2020, 5, .	2.9	41
12	CrrB Positively Regulates High-Level Polymyxin Resistance and Virulence in <i>Klebsiella pneumoniae</i> . <i>Cell Reports</i> , 2020, 33, 108313.	6.4	39
13	<i>Klebsiella pneumoniae</i> induces host metabolic stress that promotes tolerance to pulmonary infection. <i>Cell Metabolism</i> , 2022, 34, 761-774.e9.	16.2	36
14	Transfusional iron overload and intravenous iron infusions modify the mouse gut microbiota similarly to dietary iron. <i>Npj Biofilms and Microbiomes</i> , 2019, 5, 26.	6.4	35
15	Clonal Background, Resistance Gene Profile, and Porin Gene Mutations Modulate <i>In Vitro</i> Susceptibility to Imipenem-Relebactam in Diverse <i>Enterobacteriaceae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	34
16	Metabolic Adaptation in Methicillin-Resistant <i>Staphylococcus aureus</i> Pneumonia. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 61, 185-197.	2.9	34
17	Subgingival microbiome and clinical periodontal status in an elderly cohort: The WHICAP ancillary study of oral health. <i>Journal of Periodontology</i> , 2020, 91, S56-S67.	3.4	31
18	Oral Microbiome Alterations and SARS-CoV-2 Saliva Viral Load in Patients with COVID-19. <i>Microbiology Spectrum</i> , 2021, 9, e0005521.	3.0	31

#	ARTICLE	IF	CITATIONS
19	Experimental and Theoretical Evidence for Multiple Fe ^{IV} Reactive Intermediates in TAML-Activator Catalysis: Rationalizing a Counterintuitive Reactivity Order. <i>Chemistry - A European Journal</i> , 2012, 18, 10244-10249.	3.3	22
20	An acquired acyltransferase promotes <i>Klebsiella pneumoniae</i> ST258 respiratory infection. <i>Cell Reports</i> , 2021, 35, 109196.	6.4	15
21	Relationship of the Esophageal Microbiome and Tissue Gene Expression and Links to the Oral Microbiome: A Randomized Clinical Trial. <i>Clinical and Translational Gastroenterology</i> , 2020, 11, e00235.	2.5	13
22	Partial ORF1ab Gene Target Failure with Omicron BA.2.12.1. <i>Journal of Clinical Microbiology</i> , 2022, 60, e0060022.	3.9	11
23	Metatranscriptomic Investigation of Adaptation in NO and N ₂ O Production From a Lab-Scale Nitrification Process Upon Repeated Exposure to Anoxic-Aerobic Cycling. <i>Frontiers in Microbiology</i> , 2018, 9, 3012.	3.5	10
24	Prolonged severe acute respiratory syndrome coronavirus 2 persistence, attenuated immunologic response, and viral evolution in a solid organ transplant patient. <i>American Journal of Transplantation</i> , 2022, 22, 649-653.	4.7	9
25	<i>Escherichia coli</i> Harboring <i>mcr-1</i> in a Cluster of Liver Transplant Recipients: Detection through Active Surveillance and Whole-Genome Sequencing. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	8
26	Time to act—assessing variations in qPCR analyses in biological nitrogen removal with examples from partial nitrification/anammox systems. <i>Water Research</i> , 2021, 190, 116604.	11.3	8
27	Structural and Functional Interrogation of Selected Biological Nitrogen Removal Systems in the United States, Denmark, and Singapore Using Shotgun Metagenomics. <i>Frontiers in Microbiology</i> , 2018, 9, 2544.	3.5	7
28	Population structure of <i>bla</i> KPC-harboring IncN plasmids at a New York City medical centre and evidence for multi-species horizontal transmission. <i>Journal of Antimicrobial Chemotherapy</i> , 2022, 77, 1873-1882.	3.0	7
29	TAML- and Buffer-Catalyzed Oxidation of Picric Acid by H ₂ O ₂ : Products, Kinetics, DFT, and the Mechanism of Dual Catalysis. <i>Inorganic Chemistry</i> , 2020, 59, 13223-13232.	4.0	4
30	<i>Spa</i> Typing of <i>Staphylococcus aureus</i> in a Neonatal Intensive Care Unit During Routine Surveillance. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2021, 10, 766-773.	1.3	4
31	Associations between urinary 3-indoxyl sulfate, a gut microbiome-derived biomarker, and patient outcomes after intensive care unit admission. <i>Journal of Critical Care</i> , 2021, 63, 15-21.	2.2	4
32	Prolonged outbreak of clonal, mupirocin-resistant methicillin-resistant <i>Staphylococcus aureus</i> in a neonatal intensive care unit: association with personnel and a possible environmental reservoir, analyzed using whole genome sequencing. <i>American Journal of Infection Control</i> , 2022, 50, 680-685.	2.3	3
33	Development and performance of a point-of-care rapid antigen test for detection of SARS-COV-2 variants. <i>Journal of Clinical Virology Plus</i> , 2022, 2, 100080.	1.0	3
34	Closing The Brief Case: A Maggot Mystery— <i>Ignatzschineria</i> larvae Sepsis Secondary to an Infested Wound. <i>Journal of Clinical Microbiology</i> , 2021, 59, .	3.9	1
35	The Brief Case: A Maggot Mystery— <i>Ignatzschineria</i> larvae Sepsis Secondary to an Infested Wound. <i>Journal of Clinical Microbiology</i> , 2021, 59, .	3.9	1
36	1249. Emergence of Diverse Carbapenem-Resistant Enterobacteriaceae (CRE) in the Dominican Republic. <i>Open Forum Infectious Diseases</i> , 2018, 5, S380-S380.	0.9	0

#	ARTICLE	IF	CITATIONS
37	Mo1941 - A Randomized Controlled Trial to Assess the Effects of an Antimicrobial Mouthwash on the Oral and Esophageal Microbiome. <i>Gastroenterology</i> , 2018, 154, S-859.	1.3	0
38	791 - Gastrointestinal Bacterial Pathogen Colonization and Risk for Subsequent Infection in the Intensive Care Unit. <i>Gastroenterology</i> , 2018, 154, S-165.	1.3	0
39	Presence and functional potential of comammox in full-scale wastewater treatment systems across the globe. <i>Proceedings of the Water Environment Federation</i> , 2017, 2017, 4060-4068.	0.0	0
40	Metagenomics of Anaerobic Food Waste Fermentation. <i>Proceedings of the Water Environment Federation</i> , 2017, 2017, 4041-4047.	0.0	0