

Medini K Annavajhala

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,579
citations

394421

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44
all docs

44
docs citations

44
times ranked

2617
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | Population structure of <i>bla</i> _{KPC} -harbouring 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 |
| 4 | <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 |
| 5 | 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 |
| 6 | Partial ORF1ab Gene Target Failure with Omicron BA.2.12.1. <i>Journal of Clinical Microbiology</i> , 2022, 60, e0060022. | 3.9 | 11 |
| 7 | 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 |
| 8 | Carbapenemase-producing Enterobacterales 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | <i>Staphylococcus aureus</i> induces an itaconate-dominated immunometabolic response that drives biofilm formation. <i>Nature Communications</i> , 2021, 12, 1399. | 12.8 | 72 |
| 12 | <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 |
| 13 | An acquired acyltransferase promotes <i>Klebsiella pneumoniae</i> ST258 respiratory infection. <i>Cell Reports</i> , 2021, 35, 109196. | 6.4 | 15 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | CrrB Positively Regulates High-Level Polymyxin Resistance and Virulence in <i>Klebsiella pneumoniae</i> . <i>Cell Reports</i> , 2020, 33, 108313. | 6.4 | 39 |

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|----|--|------|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | Oral and Gut Microbial Diversity and Immune Regulation in Patients with HIV on Antiretroviral Therapy. <i>MSphere</i> , 2020, 5, . | 2.9 | 41 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 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 | 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 |
| 27 | Multidrug-Resistant <i>Enterobacter cloacae</i> Complex Emerging as a Global, Diversifying Threat. <i>Frontiers in Microbiology</i> , 2019, 10, 44. | 3.5 | 211 |
| 28 | Comammox Functionality Identified in Diverse Engineered Biological Wastewater Treatment Systems. <i>Environmental Science and Technology Letters</i> , 2018, 5, 110-116. | 8.7 | 118 |
| 29 | Successive Emergence of Ceftazidime-Avibactam Resistance through Distinct Genomic Adaptations in <i>bla_{KPC-2}</i> -Harboring <i>Klebsiella pneumoniae</i> Sequence Type 307 Isolates. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, . | 3.2 | 162 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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|----|---|-----|-----------|
| 37 | Clonal Background, Resistance Gene Profile, and Porin Gene Mutations Modulate <i>In Vitro</i> Susceptibility to Imipenem-Relebactam in Diverse Enterobacteriaceae. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, . | 3.2 | 34 |
| 38 | 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 |
| 39 | Metagenomics of Anaerobic Food Waste Fermentation. <i>Proceedings of the Water Environment Federation</i> , 2017, 2017, 4041-4047. | 0.0 | 0 |
| 40 | 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 |