

Roberto GMelano

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2523060/publications.pdf>

Version: 2024-02-01

80
papers

2,514
citations

172457

29
h-index

206112

48
g-index

87
all docs

87
docs citations

87
times ranked

3044
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Evaluation of the Carba NP Test for Rapid Detection of Carbapenemase-Producing Enterobacteriaceae and Pseudomonas aeruginosa. Antimicrobial Agents and Chemotherapy, 2013, 57, 4578-4580. | 3.2 | 210 |
| 2 | Neisseria gonorrhoeae Treatment Failure and Susceptibility to Cefixime in Toronto, Canada. JAMA - Journal of the American Medical Association, 2013, 309, 163. | 7.4 | 184 |
| 3 | Outbreak of Carbapenem-Resistant Enterobacteriaceae Containing blaNDM-1, Ontario, Canada. Clinical Infectious Diseases, 2012, 55, e109-e117. | 5.8 | 109 |
| 4 | Comparative Genomic Analysis of KPC-Encoding pKpQIL-Like Plasmids and Their Distribution in New Jersey and New York Hospitals. Antimicrobial Agents and Chemotherapy, 2014, 58, 2871-2877. | 3.2 | 105 |
| 5 | MupB, a New High-Level Mupirocin Resistance Mechanism in Staphylococcus aureus. Antimicrobial Agents and Chemotherapy, 2012, 56, 1916-1920. | 3.2 | 94 |
| 6 | Dissemination of the mcr-1 colistin resistance gene. Lancet Infectious Diseases, The, 2016, 16, 289-290. | 9.1 | 94 |
| 7 | Molecular Analysis of Antimicrobial Resistance Mechanisms in <i>Neisseria gonorrhoeae</i> Isolates from Ontario, Canada. Antimicrobial Agents and Chemotherapy, 2011, 55, 703-712. | 3.2 | 93 |
| 8 | Complete Nucleotide Sequences of <i>bla</i> _{KPC-4} and <i>bla</i> _{KPC-5} -Harboring IncN and IncX Plasmids from Klebsiella pneumoniae Strains Isolated in New Jersey. Antimicrobial Agents and Chemotherapy, 2013, 57, 269-276. | 3.2 | 88 |
| 9 | Distribution of Antiseptic Resistance Genes <i>qacA</i> , <i>qacB</i> , and <i>smr</i> in Methicillin-Resistant Staphylococcus aureus Isolated in Toronto, Canada, from 2005 to 2009. Antimicrobial Agents and Chemotherapy, 2011, 55, 2999-3001. | 3.2 | 84 |
| 10 | Molecular Survey of the Dissemination of Two <i>bla</i> _{KPC} -Harboring IncFIA Plasmids in New Jersey and New York Hospitals. Antimicrobial Agents and Chemotherapy, 2014, 58, 2289-2294. | 3.2 | 80 |
| 11 | Complete Nucleotide Sequence of a <i>bla</i> _{KPC} -Harboring IncI2 Plasmid and Its Dissemination in New Jersey and New York Hospitals. Antimicrobial Agents and Chemotherapy, 2013, 57, 5019-5025. | 3.2 | 76 |
| 12 | Complete Sequence of a <i>bla</i> _{KPC-2} -Harboring IncFII <i>K1</i> Plasmid from a Klebsiella pneumoniae Sequence Type 258 Strain. Antimicrobial Agents and Chemotherapy, 2013, 57, 1542-1545. | 3.2 | 69 |
| 13 | Detection of carbapenemase activity in Enterobacteriaceae: comparison of the carbapenem inactivation method versus the Carba NP test: Table 1.. Journal of Antimicrobial Chemotherapy, 2016, 71, 274-276. | 3.0 | 63 |
| 14 | <i>qnrE1</i> , a Member of a New Family of Plasmid-Located Quinolone Resistance Genes, Originated from the Chromosome of Enterobacter Species. Antimicrobial Agents and Chemotherapy, 2017, 61, . | 3.2 | 60 |
| 15 | Molecular characteristics of mcr-1-carrying plasmids and new mcr-1 variant recovered from polyclonal clinical Escherichia coli from Argentina and Canada. PLoS ONE, 2017, 12, e0180347. | 2.5 | 59 |
| 16 | Susceptibility of <i>Streptococcus pneumoniae</i> to Fluoroquinolones in Canada. Antimicrobial Agents and Chemotherapy, 2011, 55, 3703-3708. | 3.2 | 57 |
| 17 | Azithromycin Resistance Is Coevolving with Reduced Susceptibility to Cephalosporins in Neisseria gonorrhoeae in Ontario, Canada. Antimicrobial Agents and Chemotherapy, 2014, 58, 2528-2534. | 3.2 | 53 |
| 18 | What Is the Appropriate Meropenem MIC for Screening of Carbapenemase-Producing Enterobacteriaceae in Low-Prevalence Settings?. Antimicrobial Agents and Chemotherapy, 2016, 60, 1556-1559. | 3.2 | 52 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Simplified Protocol for Carba NP Test for Enhanced Detection of Carbapenemase Producers Directly from Bacterial Cultures. <i>Journal of Clinical Microbiology</i> , 2015, 53, 3908-3911. | 3.9 | 45 |
| 20 | New Delhi Metallo- β -Lactamase, Ontario, Canada. <i>Emerging Infectious Diseases</i> , 2011, 17, 306-307. | 4.3 | 41 |
| 21 | Clonal Complex 17 Group B <i>Streptococcus</i> strains causing invasive disease in neonates and adults originate from the same genetic pool. <i>Scientific Reports</i> , 2016, 6, 20047. | 3.3 | 40 |
| 22 | Population Structure and Antimicrobial Resistance of Invasive Serotype IV Group B <i>Streptococcus</i> , Toronto, Ontario, Canada. <i>Emerging Infectious Diseases</i> , 2015, 21, 585-591. | 4.3 | 39 |
| 23 | New Delhi metallo- β -lactamase-1: local acquisition in Ontario, Canada, and challenges in detection. <i>Cmaj</i> , 2011, 183, 1257-1261. | 2.0 | 37 |
| 24 | Emergence of Serotype IV Group B <i>Streptococcus</i> Adult Invasive Disease in Manitoba and Saskatchewan, Canada, Is Driven by Clonal Sequence Type 459 Strains. <i>Journal of Clinical Microbiology</i> , 2015, 53, 2919-2926. | 3.9 | 37 |
| 25 | Comparative Evaluation of a Chromogenic Agar Medium, the Modified Hodge Test, and a Battery of Meropenem-Inhibitor Discs for Detection of Carbapenemase Activity in Enterobacteriaceae. <i>Journal of Clinical Microbiology</i> , 2011, 49, 1965-1969. | 3.9 | 36 |
| 26 | Molecular Characterization of <i>Klebsiella pneumoniae</i> Carbapenemase (KPC)-Producing Enterobacteriaceae in Ontario, Canada, 2008-2011. <i>PLoS ONE</i> , 2014, 9, e116421. | 2.5 | 36 |
| 27 | <i>Klebsiella pneumoniae</i> Carbapenemase, Canada. <i>Emerging Infectious Diseases</i> , 2009, 15, 827-829. | 4.3 | 34 |
| 28 | Genome-based epidemiology and antimicrobial resistance determinants of <i>Neisseria gonorrhoeae</i> isolates with decreased susceptibility and resistance to extended-spectrum cephalosporins in Argentina in 2011-16. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 1551-1559. | 3.0 | 33 |
| 29 | Antimicrobial Activity of Solithromycin against Clinical Isolates of <i>Legionella pneumophila</i> Serogroup 1. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 909-915. | 3.2 | 32 |
| 30 | rmtD2, a New Allele of a 16S rRNA Methylase Gene, Has Been Present in Enterobacteriaceae Isolates from Argentina for More than a Decade. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 904-909. | 3.2 | 30 |
| 31 | Mobile genetic elements associated with carbapenemase genes in South American Enterobacterales. <i>Brazilian Journal of Infectious Diseases</i> , 2020, 24, 231-238. | 0.6 | 27 |
| 32 | Characterization of Multiple NDM-1-Producing Enterobacteriaceae Isolates from the Same Patient. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 3648-3651. | 3.2 | 26 |
| 33 | Characterization of OXA-48-like carbapenemase producers in Canada, 2011-14. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 626-633. | 3.0 | 26 |
| 34 | Emergence of Carbapenemase-Producing Enterobacteriaceae, South-Central Ontario, Canada. <i>Emerging Infectious Diseases</i> , 2018, 24, 1674-1682. | 4.3 | 25 |
| 35 | Characterization of <i>Escherichia coli</i> Carrying mcr-1 Plasmids Recovered From Food Animals From Argentina. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 41. | 3.9 | 21 |
| 36 | Lateral dissemination and inter-patient transmission of bla _{KPC-3} : role of a conjugative plasmid in spreading carbapenem resistance. <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 344-347. | 3.0 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Reply to “Further Proofs of Concept for the Carba NP Test”, <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 1270-1270. | 3.2 | 19 |
| 38 | Determination of <i>In Vitro</i> Activities of Solithromycin at Different pHs and Its Intracellular Activity against Clinical Isolates of <i>Neisseria gonorrhoeae</i> from a Laboratory Collection. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 4322-4328. | 3.2 | 17 |
| 39 | Characterization of a multidrug resistant <i>Citrobacter amalonaticus</i> clinical isolate harboring bla _{NDM-1} and mcr-1.5 genes. <i>Infection, Genetics and Evolution</i> , 2019, 67, 51-54. | 2.3 | 17 |
| 40 | Characterization of an <i>Enterococcus gallinarum</i> Isolate Carrying a Dual <i>vanA</i> and <i>vanB</i> Cassette. <i>Journal of Clinical Microbiology</i> , 2015, 53, 2225-2229. | 3.9 | 16 |
| 41 | Diverse <i>Escherichia coli</i> lineages from domestic animals carrying colistin resistance gene mcr-1 in an Ecuadorian household. <i>Journal of Global Antimicrobial Resistance</i> , 2020, 22, 63-67. | 2.2 | 16 |
| 42 | Use of Whole Genome Sequencing for the Molecular Comparison of <i>Neisseria gonorrhoeae</i> Isolates With Decreased Susceptibility to Extended Spectrum Cephalosporins From 2 Geographically Different Regions in America. <i>Sexually Transmitted Diseases</i> , 2019, 46, 548-555. | 1.7 | 14 |
| 43 | Interspecies DNA acquisition by a naturally competent <i>Acinetobacter baumannii</i> strain. <i>International Journal of Antimicrobial Agents</i> , 2019, 53, 483-490. | 2.5 | 14 |
| 44 | <i>Escherichia coli</i> O104:H4 Infections and International Travel. <i>Emerging Infectious Diseases</i> , 2012, 18, 473-476. | 4.3 | 13 |
| 45 | OXA-48-like carbapenemase-producing <i>Enterobacteriaceae</i> in Ottawa, Canada. <i>Diagnostic Microbiology and Infectious Disease</i> , 2013, 76, 399-400. | 1.8 | 12 |
| 46 | Comparing Patient Risk Factor-, Sequence Type-, and Resistance Locus Identification-Based Approaches for Predicting Antibiotic Resistance in <i>Escherichia coli</i> Bloodstream Infections. <i>Journal of Clinical Microbiology</i> , 2019, 57, . | 3.9 | 12 |
| 47 | Dissemination of Verona Integron-encoded Metallo- β -lactamase among clinical and environmental <i>Enterobacteriaceae</i> isolates in Ontario, Canada. <i>Scientific Reports</i> , 2020, 10, 18580. | 3.3 | 12 |
| 48 | Analytical and clinical validation of novel real-time reverse transcriptase-polymerase chain reaction assays for the clinical detection of swine-origin H1N1 influenza viruses. <i>Diagnostic Microbiology and Infectious Disease</i> , 2011, 69, 167-171. | 1.8 | 11 |
| 49 | Characterization of the quinolone resistant determining regions in clinical isolates of pneumococci collected in Canada. <i>Annals of Clinical Microbiology and Antimicrobials</i> , 2010, 9, 3. | 3.8 | 10 |
| 50 | Emergence of azithromycin resistance mediated by the mph (A) gene in <i>Salmonella Typhimurium</i> clinical isolates in Latin America. <i>Journal of Global Antimicrobial Resistance</i> , 2018, 13, 237-239. | 2.2 | 9 |
| 51 | Household Transmission of Carbapenemase-producing <i>Enterobacteriales</i> in Ontario, Canada. <i>Clinical Infectious Diseases</i> , 2021, 73, e4607-e4615. | 5.8 | 8 |
| 52 | Identification of Sexual Networks Through Molecular Typing of Quinolone-Resistant <i>Neisseria gonorrhoeae</i> in Ontario, Canada. <i>Sexually Transmitted Diseases</i> , 2011, 38, 811-814. | 1.7 | 6 |
| 53 | Verona Integron-encoded Metallo- β -Lactamase 1 in <i>Enterobacteria</i> , Ontario, Canada. <i>Emerging Infectious Diseases</i> , 2013, 19, 1156-1158. | 4.3 | 6 |
| 54 | Whole-genome sequencing—new tools for gonorrhoea control. <i>Lancet Infectious Diseases</i> , The, 2016, 16, 1214-1215. | 9.1 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Genomic analysis of two <i>Acinetobacter baumannii</i> strains belonging to two different sequence types (ST172 and ST25). <i>Journal of Global Antimicrobial Resistance</i> , 2020, 23, 154-161. | 2.2 | 6 |
| 56 | Characterization of <i>bla</i> _{KPC-2} -Harboring <i>Klebsiella pneumoniae</i> Isolates and Mobile Genetic Elements from Outbreaks in a Hospital in Ecuador. <i>Microbial Drug Resistance</i> , 2021, 27, 752-759. | 2.0 | 6 |
| 57 | The Importance of Shiga Toxin-Producing <i>Escherichia coli</i> O145:NM[H28]/H28 Infections in Argentina, 1998–2020. <i>Microorganisms</i> , 2022, 10, 582. | 3.6 | 6 |
| 58 | Whole-Genome Sequencing Applied to the Molecular Epidemiology of Shiga Toxin-Producing <i>Escherichia coli</i> O157:H7 in Argentina. <i>Genome Announcements</i> , 2016, 4, . | 0.8 | 5 |
| 59 | Using Genetic Distance from Archived Samples for the Prediction of Antibiotic Resistance in <i>Escherichia coli</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, . | 3.2 | 5 |
| 60 | Real-Time RT-PCR Allelic Discrimination Assay for Detection of N501Y Mutation in the Spike Protein of SARS-CoV-2 Associated with B.1.1.7 Variant of Concern. <i>Microbiology Spectrum</i> , 2022, 10, e0068121. | 3.0 | 5 |
| 61 | Performance Characteristics of Next-Generation Sequencing for the Detection of Antimicrobial Resistance Determinants in <i>Escherichia coli</i> Genomes and Metagenomes. <i>MSystems</i> , 2022, 7, . | 3.8 | 5 |
| 62 | Genomic Epidemiology of Carbapenemase-Producing <i>Enterobacterales</i> at a Hospital System in Toronto, Ontario, Canada, 2007 to 2018. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0036021. | 3.2 | 4 |
| 63 | Impact of coronavirus disease 2019 (COVID-19) pre-test probability on positive predictive value of high cycle threshold severe acute respiratory coronavirus virus 2 (SARS-CoV-2) real-time reverse transcription polymerase chain reaction (RT-PCR) test results. <i>Infection Control and Hospital Epidemiology</i> , 2022, 43, 1179-1183. | 1.8 | 4 |
| 64 | Cephalosporin Resistance in <i>Neisseria gonorrhoeae</i> Infections—Reply. <i>JAMA - Journal of the American Medical Association</i> , 2013, 309, 1989. | 7.4 | 3 |
| 65 | Assessment of <i>Listeria</i> sp. Interference Using a Molecular Assay To Detect <i>Listeria monocytogenes</i> in Food. <i>Journal of Food Protection</i> , 2016, 79, 138-143. | 1.7 | 3 |
| 66 | Emergence of <i>Morganellaceae</i> Harboring <i>bla</i> IMP-27 Metalloenzyme in Canada. <i>MSphere</i> , 2021, 6, . | 2.9 | 3 |
| 67 | Sensitivity of Different Anatomic Sites for Detection and Duration of Colonization with Carbapenemase-Producing <i>Enterobacteriaceae</i> (CPE). <i>Open Forum Infectious Diseases</i> , 2017, 4, S140-S140. | 0.9 | 2 |
| 68 | 1205. Emergence of Carbapenemase Producing <i>Enterobacteriaceae</i> in South Central Ontario, Canada. <i>Open Forum Infectious Diseases</i> , 2018, 5, S365-S365. | 0.9 | 2 |
| 69 | Molecular Analysis of Antimicrobial Resistance Mechanisms in <i>Neisseria gonorrhoeae</i> Isolates from Ontario, Canada. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 632-632. | 3.2 | 1 |
| 70 | Transmission of Verona Integron-Encoded Metallo-β-Lactamase-Producing <i>Enterobacteriaceae</i> Over a Two-Year Period Linked to Contaminated Drains. <i>Open Forum Infectious Diseases</i> , 2016, 3, . | 0.9 | 1 |
| 71 | 1186. Prevalence of Carbapenemase-Producing <i>Enterobacteriaceae</i> (CPE) in Hospital Drains in Southern Ontario. <i>Open Forum Infectious Diseases</i> , 2018, 5, S358-S358. | 0.9 | 1 |
| 72 | 512. Healthcare-Acquired (HA) Carbapenemase-Producing <i>Enterobacterales</i> (CPE) in Southern Ontario, Canada: To Whom Are We Transmitting CPE?. <i>Open Forum Infectious Diseases</i> , 2019, 6, S247-S248. | 0.9 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Evaluation of Melting Curve Analysis for Screening the Most Prevalent Mutations in Topoisomerase Genes from <i>Streptococcus pneumoniae</i> . <i>Journal of Clinical Microbiology</i> , 2008, 46, 396-397. | 3.9 | 0 |
| 74 | Epidemiology of the Emergence of Carbapenemase-Producing Enterobacteriaceae in South-Central Ontario, Canada. <i>Open Forum Infectious Diseases</i> , 2016, 3, . | 0.9 | 0 |
| 75 | bla VIM-Producing Enterobactercloacae in Ontario, Canada: Links Between Sewage, Surface Water, and Human Isolates. <i>Open Forum Infectious Diseases</i> , 2016, 3, . | 0.9 | 0 |
| 76 | 1165. Comparing Patient Risk Factors, Sequence Type, and Resistance Loci Identification Approaches for Predicting Antibiotic Resistance in <i>Escherichia coli</i> Bloodstream Infections. <i>Open Forum Infectious Diseases</i> , 2018, 5, S351-S351. | 0.9 | 0 |
| 77 | 2165. Risk Factors for CPE Colonization in Household Contacts of CPE Colonized/Infected Patients. <i>Open Forum Infectious Diseases</i> , 2018, 5, S638-S639. | 0.9 | 0 |
| 78 | 501. Risk of Infection in Persons Colonized with Carbapenemase-Producing Enterobacteriales (CPE) in Ontario, Canada. <i>Open Forum Infectious Diseases</i> , 2019, 6, S243-S243. | 0.9 | 0 |
| 79 | Genomic Epidemiology of Carbapenemase-Producing Enterobacterales (CPE) in Toronto, Canada. <i>Infection Control and Hospital Epidemiology</i> , 2020, 41, s479-s480. | 1.8 | 0 |
| 80 | Clinical and Genetic Characteristics of Extended-Spectrum Beta-Lactamase-Producing Enterobacteriaceae Among Canadian Children. <i>Infection Control and Hospital Epidemiology</i> , 2020, 41, s167-s168. | 1.8 | 0 |