Rafael Rios

List of Publications by Year
in descending order

28 papers	704 citations	567281 15 h-index	580821 25 g-index
30 all docs	30 docs citations	30 times ranked	1197 citing authors

#	Article	IF	Citations
1	A Prospective Cohort Multicenter Study of Molecular Epidemiology and Phylogenomics of Staphylococcus aureus Bacteremia in Nine Latin American Countries. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	95
2	The Cefazolin Inoculum Effect Is Associated With Increased Mortality in Methicillin-Susceptible Staphylococcus aureus Bacteremia. Open Forum Infectious Diseases, 2018, 5, ofy123.	0.9	72
3	An Analysis of the Epidemic of Klebsiella pneumoniae Carbapenemase-Producing K. pneumoniae: Convergence of Two Evolutionary Mechanisms Creates the â€œPerfect Stormâ€• Journal of Infectious Diseases, 2018, 217, 82-92.	4.0	70
4	Antimicrobial sensing coupled with cell membrane remodeling mediates antibiotic resistance and virulence in Enterococcus faecalis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26925-26932.	7.1	58
5	Genomic and Molecular Characterization of Clinical Isolates of Enterobacteriaceae Harboring mcr-1 in Colombia, 2002 to 2016. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	56
6	Genomic Epidemiology of Vancomycin-Resistant Enterococcus faecium (VREfm) in Latin America: Revisiting The Global VRE Population Structure. Scientific Reports, 2020, 10, 5636.	3.3	39
7	Extensively Drug-Resistant Pseudomonas aeruginosa ST309 Harboring Tandem Guiana Extended Spectrum Î²-Lactamase Enzymes: A Newly Emerging Threat in the United States. Open Forum Infectious Diseases, 2019, 6, ofz273.	0.9	36
8	Influence of Inoculum Effect on the Efficacy of Daptomycin Monotherapy and in Combination with Î²-Lactams against Daptomycin-Susceptible Enterococcus faecium Harboring LiaSR Substitutions. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	34
9	Clonal Emergence of Invasive Multidrug-Resistant Staphylococcus epidermidis Deconvoluted via a Combination of Whole-Genome Sequencing and Microbiome Analyses. Clinical Infectious Diseases, 2018, 67, 398-406.	5.8	27
10	Dynamics of bla _{KPC-2} Dissemination from Non-CG258 Klebsiella pneumoniae to Other Enterobacterales via IncN Plasmids in an Area of High Endemicity. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	27
11	LiaRâ€independent pathways to daptomycin resistance in Enterococcus faecalis reveal a multilayer defense against cell envelope antibiotics. Molecular Microbiology, 2019, 111, 811-824.	2.5	26
12	Ceftaroline-Resistant, Daptomycin-Tolerant, and Heterogeneous Vancomycin-Intermediate Methicillin-Resistant Staphylococcus aureus Causing Infective Endocarditis. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	24
13	Linezolid- and Vancomycin-resistant Enterococcus faecium in Solid Organ Transplant Recipients: Infection Control and Antimicrobial Stewardship Using Whole Genome Sequencing. Clinical Infectious Diseases, 2019, 69, 259-265.	5.8	22
14	Mutations in cdsA and pgsA Correlate with Daptomycin Resistance in Streptococcus mitis and S. oralis. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	21
15	Global Spread of the Community-Associated Methicillin-ResistantStaphylococcus aureusUSA300 Latin American Variant. Journal of Infectious Diseases, 2016, 214, 1609-1610.	4.0	18
16	In Vivo Resistance to Ceftolozane/Tazobactam in Pseudomonas aeruginosa Arising by AmpC- and Non-AmpC-Mediated Pathways. Case Reports in Infectious Diseases, 2018, 2018, 1-4.	0.5	18
17	Contemporary Clinical and Molecular Epidemiology of Vancomycin-Resistant Enterococcal Bacteremia: A Prospective Multicenter Cohort Study (VENOUS I). Open Forum Infectious Diseases, 2022, 9, ofab616.	0.9	18
18	Novel Insights into the Classification of Staphylococcal Î²-Lactamases in Relation to the Cefazolin Inoculum Effect. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	13

#	Article	IF	Citations
19	Detection of heterogeneous vancomycin intermediate resistance in MRSA isolates from Latin America. Journal of Antimicrobial Chemotherapy, 2020, 75, 2424-2431.	3.0	8
20	Disrupting Membrane Adaptation Restores In Vivo Efficacy of Antibiotics Against Multidrug-Resistant Enterococci and Potentiates Killing by Human Neutrophils. Journal of Infectious Diseases, 2019, 220, 494-504.	4.0	6
21	A Test for the Rapid Detection of the Cefazolin Inoculum Effect in Methicillin-Susceptible Staphylococcus aureus. Journal of Clinical Microbiology, 2021, 59, .	3.9	6
22	Case Report: Gestational Melioidosis through Perinatal Transmission. American Journal of Tropical Medicine and Hygiene, 2020, 103, 1838-1840.	1.4	4
23	A Young Diabetic Patient With Sepsis After Gardening. Open Forum Infectious Diseases, 2020, 7, ofaa159.	0.9	2
24	Substitutions in LiaFSR and Enzymes Involved in Glycerophospholipid Metabolism Correlate With High-Level DAP-Resistance In Vivo in Enterococcus faecium. Open Forum Infectious Diseases, 2015, 2, .	0.9	1
25	1214. High Frequency of Genes Encoding Resistance to Heavy Metals in Methicillin-Resistant Staphylococcus aureus (MRSA) Endemic Lineages From South America. Open Forum Infectious Diseases, 2018, 5, S368-S368.	0.9	0
26	601. TelA and XpaC Are Novel Mediators of Daptomycin Resistance in Enterococcus faecium. Open Forum Infectious Diseases, 2019, 6, S282-S282.	0.9	0
27	27. The Membrane Antimicrobial Peptide Defense (MadRS) System Orchestrates Resistance Against Antibiotics and Host Innate Immune Peptides in enterococcus Faecalis. Open Forum Infectious Diseases, 2020, 7, S14-S14.	0.9	0
28	1453. PBP2, PBP2a and PBP4 Clone-specific Polymorphisms are not Associated to Ceftaroline (CPT) Susceptibility in Chilean Clinical Isolates of Methicillin-Resistant Staphylococcus aureus (MRSA). Open Forum Infectious Diseases, 2020, 7, S729-S729.	0.9	0