Martin Antonio

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4698527/publications.pdf

Version: 2024-02-01

115 9,180 papers citations

41
h-index

91 g-index

126 all docs

126 docs citations 126 times ranked 10785 citing authors

#	Article	IF	CITATIONS
1	Widespread sharing of pneumococcal strains in a rural African setting: proximate villages are more likely to share similar strains that are carried at multiple timepoints. Microbial Genomics, 2022, 8, .	2.0	1
2	Travel measures in the SARS-CoV-2 variant era need clear objectives. Lancet, The, 2022, 399, 1367-1369.	13.7	17
3	Comparative Genomics of Disease and Carriage Serotype 1 Pneumococci. Genome Biology and Evolution, 2022, 14 , .	2.5	3
4	The Clinical Presentation of Culture-positive and Culture-negative, Quantitative Polymerase Chain Reaction (qPCR)-Attributable Shigellosis in the Global Enteric Multicenter Study and Derivation of a <i>Shigella</i> Severity Score: Implications for Pediatric <i>Shigella</i> Vaccine Trials. Clinical Infectious Diseases, 2021, 73, e569-e579.	5.8	15
5	Phylogenomics of Mycobacterium africanum reveals a new lineage and a complex evolutionary history. Microbial Genomics, $2021, 7, .$	2.0	71
6	Molecular diagnostic assays for the detection of common bacterial meningitis pathogens: A narrative review. EBioMedicine, $2021, 65, 103274$.	6.1	15
7	Phylogeography and resistome of pneumococcal meningitis in West Africa before and after vaccine introduction. Microbial Genomics, 2021, 7, .	2.0	O
8	Mycobacterium tuberculosis complex lineage 5 exhibits high levels of within-lineage genomic diversity and differing gene content compared to the type strain H37Rv. Microbial Genomics, 2021, 7, .	2.0	9
9	The Global Landscape of Pediatric Bacterial Meningitis Data Reported to the World Health Organization–Coordinated Invasive Bacterial Vaccine-Preventable Disease Surveillance Network, 2014–2019. Journal of Infectious Diseases, 2021, 224, S161-S173.	4.0	25
10	Pneumococcal Meningitis Outbreaks in Africa, 2000–2018: Systematic Literature Review and Meningitis Surveillance Database Analyses. Journal of Infectious Diseases, 2021, 224, S174-S183.	4.0	5
11	Impact of the introduction of pneumococcal conjugate vaccination on invasive pneumococcal disease and pneumonia in The Gambia: 10 years of population-based surveillance. Lancet Infectious Diseases, The, 2021, 21, 1293-1302.	9.1	22
12	Toward Establishing Integrated, Comprehensive, and Sustainable Meningitis Surveillance in Africa to Better Inform Vaccination Strategies. Journal of Infectious Diseases, 2021, 224, S299-S306.	4.0	1
13	Streptococcus pneumoniae serotypes that frequently colonise the human nasopharynx are common recipients of penicillin-binding protein gene fragments from Streptococcus mitis. Microbial Genomics, 2021, 7, .	2.0	5
14	Characteristics of <i> Salmonella < /i> Recovered From Stools of Children Enrolled in the Global Enteric Multicenter Study. Clinical Infectious Diseases, 2021, 73, 631-641.</i>	5.8	14
15	Genomic diversity of <i>Escherichia coli</i> from healthy children in rural Gambia. Peerl, 2021, 9, e10572.	2.0	9
16	Genomic diversity of Escherichia coli isolates from backyard chickens and guinea fowl in the Gambia. Microbial Genomics, 2021, 7, .	2.0	13
17	Interactions between fecal gut microbiome, enteric pathogens, and energy regulating hormones among acutely malnourished rural Gambian children. EBioMedicine, 2021, 73, 103644.	6.1	12
18	Diarrhoeal disease and subsequent risk of death in infants and children residing in low-income and middle-income countries: analysis of the GEMS case-control study and 12-month GEMS-1A follow-on study. The Lancet Global Health, 2020, 8, e204-e214.	6.3	121

#	Article	IF	CITATIONS
19	Bacterial genome-wide association study of hyper-virulent pneumococcal serotype 1 identifies genetic variation associated with neurotropism. Communications Biology, 2020, 3, 559.	4.4	11
20	Impact of routine vaccination against Haemophilus influenzae type b in The Gambia: 20 years after its introduction. Journal of Global Health, 2020, 10, 010416.	2.7	12
21	Evolution of Mycobacterium tuberculosis complex lineages and their role in an emerging threat of multidrug resistant tuberculosis in Bamako, Mali. Scientific Reports, 2020, 10, 327.	3.3	23
22	Comparative genomics shows differences in the electron transport and carbon metabolic pathways of Mycobacterium africanum relative to Mycobacterium tuberculosis and suggests an adaptation to low oxygen tension. Tuberculosis, 2020, 120, 101899.	1.9	15
23	Genomic diversity of Escherichia coli isolates from non-human primates in the Gambia. Microbial Genomics, 2020, 6, .	2.0	12
24	Etiology of Pediatric Meningitis in West Africa Using Molecular Methods in the Era of Conjugate Vaccines against Pneumococcus, Meningococcus, and Haemophilus influenzae Type b. American Journal of Tropical Medicine and Hygiene, 2020, 103, 696-703.	1.4	15
25	Changes in the Molecular Epidemiology of Pediatric Bacterial Meningitis in Senegal After Pneumococcal Conjugate Vaccine Introduction. Clinical Infectious Diseases, 2019, 69, S156-S163.	5.8	8
26	Pediatric Bacterial Meningitis Surveillance in the World Health Organization African Region Using the Invasive Bacterial Vaccine-Preventable Disease Surveillance Network, 2011–2016. Clinical Infectious Diseases, 2019, 69, S49-S57.	5.8	25
27	Pediatric Bacterial Meningitis Surveillance in Nigeria From 2010 to 2016, Prior to and During the Phased Introduction of the 10-Valent Pneumococcal Conjugate Vaccine. Clinical Infectious Diseases, 2019, 69, S81-S88.	5 . 8	13
28	Declines in Pediatric Bacterial Meningitis in the Republic of Benin Following Introduction of Pneumococcal Conjugate Vaccine: Epidemiological and Etiological Findings, 2011–2016. Clinical Infectious Diseases, 2019, 69, S140-S147.	5.8	6
29	Declining Trends of Pneumococcal Meningitis in Gambian Children After the Introduction of Pneumococcal Conjugate Vaccines. Clinical Infectious Diseases, 2019, 69, S126-S132.	5.8	8
30	Hospital-based Surveillance Provides Insights Into the Etiology of Pediatric Bacterial Meningitis in Yaound \tilde{A} \otimes , Cameroon, in the Post-Vaccine Era. Clinical Infectious Diseases, 2019, 69, S148-S155.	5.8	4
31	Cryptosporidium infection in rural Gambian children: Epidemiology and risk factors. PLoS Neglected Tropical Diseases, 2019, 13, e0007607.	3.0	23
32	Hospital-based Surveillance for Pediatric Bacterial Meningitis in the Era of the 13-Valent Pneumococcal Conjugate Vaccine in Ghana. Clinical Infectious Diseases, 2019, 69, S89-S96.	5.8	8
33	Pediatric Bacterial Meningitis Surveillance in Niger: Increased Importance of Neisseria meningitidis Serogroup C, and a Decrease in Streptococcus pneumoniae Following 13-Valent Pneumococcal Conjugate Vaccine Introduction. Clinical Infectious Diseases, 2019, 69, S133-S139.	5.8	10
34	Etiology of Pediatric Bacterial Meningitis Pre- and Post-PCV13 Introduction Among Children Under 5 Years Old in Lomé, Togo. Clinical Infectious Diseases, 2019, 69, S97-S104.	5.8	9
35	Etiology of Bacterial Meningitis Among Children <5 Years Old in CÃ′te d'Ivoire: Findings of Hospital-based Surveillance Before and After Pneumococcal Conjugate Vaccine Introduction. Clinical Infectious Diseases, 2019, 69, S114-S120.	5.8	7
36	International genomic definition of pneumococcal lineages, to contextualise disease, antibiotic resistance and vaccine impact. EBioMedicine, 2019, 43, 338-346.	6.1	168

#	Article	IF	CITATIONS
37	The incidence, aetiology, and adverse clinical consequences of less severe diarrhoeal episodes among infants and children residing in low-income and middle-income countries: a 12-month case-control study as a follow-on to the Global Enteric Multicenter Study (GEMS). The Lancet Global Health, 2019, 7. e568-e584.	6.3	168
38	Immunogenicity of pneumococcal conjugate vaccine formulations containing pneumococcal proteins, and immunogenicity and reactogenicity of co-administered routine vaccines – A phase II, randomised, observer-blind study in Gambian infants. Vaccine, 2019, 37, 2586-2599.	3.8	19
39	Colonization factors among enterotoxigenic Escherichia coli isolates from children with moderate-to-severe diarrhea and from matched controls in the Global Enteric Multicenter Study (GEMS). PLoS Neglected Tropical Diseases, 2019, 13, e0007037.	3.0	68
40	Four-Gene Pan-African Blood Signature Predicts Progression to Tuberculosis. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 1198-1208.	5.6	217
41	Methylation in Mycobacterium tuberculosis is lineage specific with associated mutations present globally. Scientific Reports, 2018, 8, 160.	3.3	31
42	Meningococcus serogroup C clonal complex ST-10217 outbreak in Zamfara State, Northern Nigeria. Scientific Reports, 2018, 8, 14194.	3.3	17
43	Second-line anti-tuberculosis drug resistance testing in Ghana identifies the first extensively drug-resistant tuberculosis case. Infection and Drug Resistance, 2018, Volume 11, 239-246.	2.7	8
44	Comparative genomics of Mycobacterium africanum Lineage 5 and Lineage 6 from Ghana suggests distinct ecological niches. Scientific Reports, 2018, 8, 11269.	3.3	34
45	Antimicrobial resistance surveillance in Africa: Successes, gaps and a roadmap for the future. African Journal of Laboratory Medicine, 2018, 7, 924.	0.6	19
46	Incidence of macrolide–lincosamide–streptogramin B resistance amongst beta-haemolytic streptococci in The Gambia. BMC Research Notes, 2017, 10, 106.	1.4	3
47	The global distribution and diversity of protein vaccine candidate antigens in the highly virulent Streptococcus pnuemoniae serotype 1. Vaccine, 2017, 35, 972-980.	3.8	27
48	Impact of the introduction of pneumococcal conjugate vaccination on pneumonia in The Gambia: population-based surveillance and case-control studies. Lancet Infectious Diseases, The, 2017, 17, 965-973.	9.1	83
49	Efficacy of a novel, protein-based pneumococcal vaccine against nasopharyngeal carriage of Streptococcus pneumoniae in infants: A phase 2, randomized, controlled, observer-blind study. Vaccine, 2017, 35, 2531-2542.	3.8	71
50	Ancient hybridization and strong adaptation to viruses across African vervet monkey populations. Nature Genetics, 2017, 49, 1705-1713.	21.4	107
51	Comparative Genomic Analysis and In Vivo Modeling of Streptococcus pneumoniae ST3081 and ST618 Isolates Reveal Key Genetic and Phenotypic Differences Contributing to Clonal Replacement of Serotype 1 in The Gambia. Journal of Infectious Diseases, 2017, 216, 1318-1327.	4.0	11
52	Whole-genome sequencing illuminates the evolution and spread of multidrug-resistant tuberculosis in Southwest Nigeria. PLoS ONE, 2017, 12, e0184510.	2.5	27
53	Kinetics of antibodies against pneumococcal proteins and their relationship to nasopharyngeal carriage in the first two months of life. PLoS ONE, 2017, 12, e0185824.	2.5	3
54	Prevalence and risk factors for Staphylococcus aureus nasopharyngeal carriage during a PCV trial. BMC Infectious Diseases, 2017, 17, 588.	2.9	5

#	Article	IF	CITATIONS
55	Large Outbreak of <i>Neisseria meningitidis</i> Serogroup C â€" Nigeria, December 2016â€"June 2017. Morbidity and Mortality Weekly Report, 2017, 66, 1352-1356.	15.1	40
56	Identification of Subsets of Enteroaggregative Escherichia coli Associated with Diarrheal Disease among Under 5 Years of Age Children from Rural Gambia. American Journal of Tropical Medicine and Hygiene, 2017, 97, 997-1004.	1.4	22
57	Associations between nasopharyngeal carriage of Group B Streptococcus and other respiratory pathogens during early infancy. BMC Microbiology, 2016, 16, 97.	3.3	15
58	Transmission of Staphylococcus aureus from Humans to Green Monkeys in The Gambia as Revealed by Whole-Genome Sequencing. Applied and Environmental Microbiology, 2016, 82, 5910-5917.	3.1	30
59	Use of quantitative molecular diagnostic methods to identify causes of diarrhoea in children: a reanalysis of the GEMS case-control study. Lancet, The, 2016, 388, 1291-1301.	13.7	658
60	Aeromonas-Associated Diarrhea in Children Under 5 Years: The GEMS Experience. American Journal of Tropical Medicine and Hygiene, 2016, 95, 774-780.	1.4	24
61	Adaptation of Mycobacterium tuberculosis to Impaired Host Immunity in HIV-Infected Patients. Journal of Infectious Diseases, 2016, 214, 1205-1211.	4.0	19
62	The emerging threat of pre-extensively drug-resistant tuberculosis in West Africa: preparing for large-scale tuberculosis research and drug resistance surveillance. BMC Medicine, 2016, 14, 160.	5.5	37
63	An outbreak of pneumococcal meningitis among older children (≥5Âyears) and adults after the implementation of an infant vaccination programme with the 13-valent pneumococcal conjugate vaccine in Ghana. BMC Infectious Diseases, 2016, 16, 575.	2.9	67
64	Understanding pneumococcal serotype 1 biology through population genomic analysis. BMC Infectious Diseases, 2016, 16, 649.	2.9	22
65	Population structure, epidemiology and antibiotic resistance patterns of Streptococcus pneumoniae serotype 5: prior to PCV-13 vaccine introduction in Eastern Gambia. BMC Infectious Diseases, 2016, 16, 33.	2.9	7
66	Effect of the introduction of pneumococcal conjugate vaccination on invasive pneumococcal disease in The Gambia: a population-based surveillance study. Lancet Infectious Diseases, The, 2016, 16, 703-711.	9.1	156
67	High genetic diversity of Staphylococcus aureus strains colonising the nasopharynx of Gambian villagers before widespread use of pneumococcal conjugate vaccines. BMC Microbiology, 2016, 16, 38.	3.3	16
68	A Mycobacterial Perspective on Tuberculosis in West Africa: Significant Geographical Variation of M. africanum and Other M. tuberculosis Complex Lineages. PLoS Neglected Tropical Diseases, 2016, 10, e0004408.	3.0	35
69	Impact of the Mycobaterium africanum West Africa 2 Lineage on TB Diagnostics in West Africa: Decreased Sensitivity of Rapid Identification Tests in The Gambia. PLoS Neglected Tropical Diseases, 2016, 10, e0004801.	3.0	20
70	A tuberculosis nationwide prevalence survey in Gambia, 2012. Bulletin of the World Health Organization, 2016, 94, 433-441.	3.3	17
71	Effect on nasopharyngeal pneumococcal carriage of replacing PCV7 with PCV13 in the Expanded Programme of Immunization in The Gambia. Vaccine, 2015, 33, 7144-7151.	3.8	48
72	Prevalence of classic, MLB-clade and VA-clade Astroviruses in Kenya and The Gambia. Virology Journal, 2015, 12, 78.	3.4	73

#	Article	IF	Citations
73	A diverse group of small circular ssDNA viral genomes in human and non-human primate stools. Virus Evolution, 2015, 1, vev017.	4.9	49
74	Bacterial Factors Associated with Lethal Outcome of Enteropathogenic Escherichia coli Infection: Genomic Case-Control Studies. PLoS Neglected Tropical Diseases, 2015, 9, e0003791.	3.0	21
75	Towards host-directed therapies for tuberculosis. Nature Reviews Drug Discovery, 2015, 14, 511-512.	46.4	110
76	SalmonellaInfections in The Gambia, 2005–2015. Clinical Infectious Diseases, 2015, 61, S354-S362.	5.8	32
77	The genome of the vervet (<i>Chlorocebus aethiops sabaeus</i>). Genome Research, 2015, 25, 1921-1933.	5 . 5	114
78	Region-specific diversification of the highly virulent serotype 1 Streptococcus pneumoniae. Microbial Genomics, 2015 , 1 , $e000027$.	2.0	27
79	Temporal changes in nasopharyngeal carriage of <i>Streptococcus pneumoniae </i> serotype 1 genotypes in healthy Gambians before and after the 7-valent pneumococcal conjugate vaccine. Peerl, 2015, 3, e903.	2.0	8
80	Factors Associated with Siman Immunodeficiency Virus Transmission in a Natural African Nonhuman Primate Host in the Wild. Journal of Virology, 2014, 88, 5687-5705.	3.4	77
81	Shigella Isolates From the Global Enteric Multicenter Study Inform Vaccine Development. Clinical Infectious Diseases, 2014, 59, 933-941.	5.8	297
82	High Genotypic Diversity among Rotavirus Strains Infecting Gambian Children. Pediatric Infectious Disease Journal, 2014, 33, S69-S75.	2.0	11
83	Geographic variation in the eukaryotic virome of human diarrhea. Virology, 2014, 468-470, 556-564.	2.4	62
84	Development and assessment of molecular diagnostic tests for 15 enteropathogens causing childhood diarrhoea: a multicentre study. Lancet Infectious Diseases, The, 2014, 14, 716-724.	9.1	263
85	Shifts in Mycobacterial Populations and Emerging Drug-Resistance in West and Central Africa. PLoS ONE, 2014, 9, e110393.	2.5	8
86	Culture-independent detection and characterisation of <i>Mycobacterium tuberculosis </i> and <i>M. africanum </i> ii sputum samples using shotgun metagenomics on a benchtop sequencer. Peerl, 2014, 2, e585.	2.0	113
87	Standard method for detecting upper respiratory carriage of Streptococcus pneumoniae: Updated recommendations from the World Health Organization Pneumococcal Carriage Working Group. Vaccine, 2013, 32, 165-179.	3.8	374
88	Burden and aetiology of diarrhoeal disease in infants and young children in developing countries (the) Tj ETQq0 0	0 rgBT /Ov 13.7	verlock 10 T 2,885
89	Deciphering the Growth Behaviour of Mycobacterium africanum. PLoS Neglected Tropical Diseases, 2013, 7, e2220.	3.0	36
90	Quantitative PCR for Detection of Shigella Improves Ascertainment of Shigella Burden in Children with Moderate-to-Severe Diarrhea in Low-Income Countries. Journal of Clinical Microbiology, 2013, 51, 1740-1746.	3.9	96

#	Article	IF	CITATIONS
91	Antimicrobial Susceptibility and Resistance Patterns among Helicobacter pylori Strains from The Gambia, West Africa. Antimicrobial Agents and Chemotherapy, 2013, 57, 1231-1237.	3.2	45
92	Population Biology of Streptococcus pneumoniae in West Africa: Multilocus Sequence Typing of Serotypes That Exhibit Different Predisposition to Invasive Disease and Carriage. PLoS ONE, 2013, 8, e53925.	2.5	21
93	Nasopharyngeal Carriage of Pneumococci Four Years after Community-Wide Vaccination with PCV-7 in The Gambia: Long-Term Evaluation of a Cluster Randomized Trial. PLoS ONE, 2013, 8, e72198.	2.5	18
94	Comparison of the Prevalence of Common Bacterial Pathogens in the Oropharynx and Nasopharynx of Gambian Infants. PLoS ONE, 2013, 8, e75558.	2.5	26
95	The Genome of Mycobacterium Africanum West African 2 Reveals a Lineage-Specific Locus and Genome Erosion Common to the M. tuberculosis Complex. PLoS Neglected Tropical Diseases, 2012, 6, e1552.	3.0	69
96	Chrysomya putoria, a Putative Vector of Diarrheal Diseases. PLoS Neglected Tropical Diseases, 2012, 6, e1895.	3.0	20
97	Diagnostic Microbiologic Methods in the GEMS-1 Case/Control Study. Clinical Infectious Diseases, 2012, 55, S294-S302.	5.8	161
98	Genome Analysis of a Highly Virulent Serotype 1 Strain of Streptococcus pneumoniae from West Africa. PLoS ONE, 2012, 7, e26742.	2.5	17
99	Pre-Vaccination Nasopharyngeal Pneumococcal Carriage in a Nigerian Population: Epidemiology and Population Biology. PLoS ONE, 2012, 7, e30548.	2.5	72
100	Pathogen Genomics and the Potential for Understanding Diseases in the Developing World. Advances in Microbial Ecology, 2012, , 51-72.	0.1	0
101	Early acquisition and high nasopharyngeal co-colonisation by Streptococcus pneumoniae and three respiratory pathogens amongst Gambian new-borns and infants. BMC Infectious Diseases, 2011, 11, 175.	2.9	75
102	Differential effects of frozen storage on the molecular detection of bacterial taxa that inhabit the nasopharynx. BMC Clinical Pathology, 2011, 11, 2.	1.8	11
103	Effects of Community-Wide Vaccination with PCV-7 on Pneumococcal Nasopharyngeal Carriage in The Gambia: A Cluster-Randomized Trial. PLoS Medicine, 2011, 8, e1001107.	8.4	110
104	Clonal Differences between Non-Typhoidal Salmonella (NTS) Recovered from Children and Animals Living in Close Contact in The Gambia. PLoS Neglected Tropical Diseases, 2011, 5, e1148.	3.0	61
105	Antimicrobial resistance and virulence genes of non-typhoidal Salmonella isolates in The Gambia and Senegal. Journal of Infection in Developing Countries, 2011, 5, 765-775.	1.2	50
106	Differences between tuberculosis cases infected withMycobacterium africanum, West African type 2, relative to Euro-AmericanMycobacterium tuberculosis: an update. FEMS Immunology and Medical Microbiology, 2010, 58, 102-105.	2.7	61
107	Transmission of <i>Streptococcus pneumoniae</i> i>in Rural Gambian Villages: A Longitudinal Study. Clinical Infectious Diseases, 2010, 50, 1468-1476.	5.8	78
108	Serotype-Related Variation in Susceptibility to Complement Deposition and Opsonophagocytosis among Clinical Isolates of <i>Streptococcus pneumoniae</i> . Infection and Immunity, 2010, 78, 5252-5261.	2.2	42

#	Article	IF	CITATIONS
109	Mycobacterium africanumâ€"Review of an Important Cause of Human Tuberculosis in West Africa. PLoS Neglected Tropical Diseases, 2010, 4, e744.	3.0	221
110	Evaluation of sequential multiplex PCR for direct detection of multiple serotypes of Streptococcus pneumoniae from nasopharyngeal secretions. Journal of Medical Microbiology, 2009, 58, 296-302.	1.8	23
111	Exogenous re-infection by a novel Streptococcus pneumoniae serotype 14 as a cause of recurrent meningitis in a child from The Gambia. Annals of Clinical Microbiology and Antimicrobials, 2009, 8, 3.	3.8	3
112	Molecular epidemiology of pneumococci obtained from Gambian children aged 2–29 months with invasive pneumococcal disease during a trial of a 9-valent pneumococcal conjugate vaccine. BMC Infectious Diseases, 2008, 8, 81.	2.9	55
113	Seasonality and outbreak of a predominant Streptococcus pneumoniae serotype 1 clone from The Gambia: Expansion of ST217 hypervirulent clonal complex in West Africa. BMC Microbiology, 2008, 8, 198.	3.3	55
114	Progression to Active Tuberculosis, but Not Transmission, Varies by <i>Mycobacterium tuberculosis</i> Lineage in The Gambia. Journal of Infectious Diseases, 2008, 198, 1037-1043.	4.0	269
115	Molecular epidemiology of community-acquired invasive non-typhoidal Salmonella among children aged 2–29 months in rural Gambia and discovery of a new serovar, Salmonella enterica Dingiri. Journal of Medical Microbiology, 2007, 56, 1479-1484.	1.8	52