Martin Antonio

List of Publications by Year
in descending order

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115 papers	9,180 citations	71102 41 h-index	43889 91 g-index
126 all docs	126 docs citations	126 times ranked	10785 citing authors

#	Article	IF	Citations
1	Burden and aetiology of diarrhoeal disease in infants and young children in developing countries (the) Tj ETQq1 1 0.784314 rgBT /Overl 209-222.	13.7	2,885
2	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
3	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
4	Shigella Isolates From the Global Enteric Multicenter Study Inform Vaccine Development. Clinical Infectious Diseases, 2014, 59, 933-941.	5.8	297
5	Progression to Active Tuberculosis, but Not Transmission, Varies byMycobacterium tuberculosisLineage in The Gambia. Journal of Infectious Diseases, 2008, 198, 1037-1043.	4.0	269
6	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
7	Mycobacterium africanumâ€"Review of an Important Cause of Human Tuberculosis in West Africa. PLoS Neglected Tropical Diseases, 2010, 4, e744.	3.0	221
8	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
9	International genomic definition of pneumococcal lineages, to contextualise disease, antibiotic resistance and vaccine impact. EBioMedicine, 2019, 43, 338-346.	6.1	168
10	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
11	Diagnostic Microbiologic Methods in the GEMS-1 Case/Control Study. Clinical Infectious Diseases, 2012, 55, S294-S302.	5.8	161
12	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
13	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
14	The genome of the vervet (Chlorocebus aethiops sabaeus). Genome Research, 2015, 25, 1921-1933.	5.5	114
15	Culture-independent detection and characterisation ofMycobacterium tuberculosisandM. africanumin sputum samples using shotgun metagenomics on a benchtop sequencer. PeerJ, 2014, 2, e585.	2.0	113
16	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
17	Towards host-directed therapies for tuberculosis. Nature Reviews Drug Discovery, 2015, 14, 511-512.	46.4	110
18	Ancient hybridization and strong adaptation to viruses across African vervet monkey populations. Nature Genetics, 2017, 49, 1705-1713.	21.4	107

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19	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
20	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
21	Transmission ofStreptococcus pneumoniaein Rural Gambian Villages: A Longitudinal Study. Clinical Infectious Diseases, 2010, 50, 1468-1476.	5.8	78
22	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
23	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
24	Prevalence of classic, MLB-clade and VA-clade Astroviruses in Kenya and The Gambia. Virology Journal, 2015, 12, 78.	3.4	73
25	Pre-Vaccination Nasopharyngeal Pneumococcal Carriage in a Nigerian Population: Epidemiology and Population Biology. PLoS ONE, 2012, 7, e30548.	2.5	72
26	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
27	Phylogenomics of Mycobacterium africanum reveals a new lineage and a complex evolutionary history. Microbial Genomics, 2021, 7, .	2.0	71
28	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
29	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
30	An outbreak of pneumococcal meningitis among older children (â‰¥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
31	Geographic variation in the eukaryotic virome of human diarrhea. Virology, 2014, 468-470, 556-564.	2.4	62
32	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
33	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
34	Molecular epidemiology of pneumococci obtained from Gambian children aged 2â€“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
35	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
36	Molecular epidemiology of community-acquired invasive non-typhoidal Salmonella among children aged 2â€“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

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37	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
38	A diverse group of small circular ssDNA viral genomes in human and non-human primate stools. Virus Evolution, 2015, 1, vev017.	4.9	49
39	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
40	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
41	Serotype-Related Variation in Susceptibility to Complement Deposition and Opsonophagocytosis among Clinical Isolates of Streptococcus pneumoniae. Infection and Immunity, 2010, 78, 5252-5261.	2.2	42
42	Large Outbreak of Neisseria meningitidis Serogroup C â€" Nigeria, December 2016â€"June 2017. Morbidity and Mortality Weekly Report, 2017, 66, 1352-1356.	15.1	40
43	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
44	Deciphering the Growth Behaviour of Mycobacterium africanum. PLoS Neglected Tropical Diseases, 2013, 7, e2220.	3.0	36
45	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
46	Comparative genomics of Mycobacterium africanum Lineage 5 and Lineage 6 from Ghana suggests distinct ecological niches. Scientific Reports, 2018, 8, 11269.	3.3	34
47	SalmonellaInfections in The Gambia, 2005â€"2015. Clinical Infectious Diseases, 2015, 61, S354-S362.	5.8	32
48	Methylation in Mycobacterium tuberculosis is lineage specific with associated mutations present globally. Scientific Reports, 2018, 8, 160.	3.3	31
49	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
50	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
51	Whole-genome sequencing illuminates the evolution and spread of multidrug-resistant tuberculosis in Southwest Nigeria. PLoS ONE, 2017, 12, e0184510.	2.5	27
52	Region-specific diversification of the highly virulent serotype 1 Streptococcus pneumoniae. Microbial Genomics, 2015, 1, e000027.	2.0	27
53	Comparison of the Prevalence of Common Bacterial Pathogens in the Oropharynx and Nasopharynx of Gambian Infants. PLoS ONE, 2013, 8, e75558.	2.5	26
54	Pediatric Bacterial Meningitis Surveillance in the World Health Organization African Region Using the Invasive Bacterial Vaccine-Preventable Disease Surveillance Network, 2011â€"2016. Clinical Infectious Diseases, 2019, 69, S49-S57.	5.8	25

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55	The Global Landscape of Pediatric Bacterial Meningitis Data Reported to the World Health Organizationâ€“Coordinated Invasive Bacterial Vaccine-Preventable Disease Surveillance Network, 2014â€“2019. Journal of Infectious Diseases, 2021, 224, S161-S173.	4.0	25
56	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
57	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
58	Cryptosporidium infection in rural Gambian children: Epidemiology and risk factors. PLoS Neglected Tropical Diseases, 2019, 13, e0007607.	3.0	23
59	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
60	Understanding pneumococcal serotype 1 biology through population genomic analysis. BMC Infectious Diseases, 2016, 16, 649.	2.9	22
61	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
62	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
63	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
64	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
65	Chrysomya putoria, a Putative Vector of Diarrheal Diseases. PLoS Neglected Tropical Diseases, 2012, 6, e1895.	3.0	20
66	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
67	Adaptation of Mycobacterium tuberculosis to Impaired Host Immunity in HIV-Infected Patients. Journal of Infectious Diseases, 2016, 214, 1205-1211.	4.0	19
68	Immunogenicity of pneumococcal conjugate vaccine formulations containing pneumococcal proteins, and immunogenicity and reactogenicity of co-administered routine vaccines â€“ A phase II, randomised, observer-blind study in Gambian infants. Vaccine, 2019, 37, 2586-2599.	3.8	19
69	Antimicrobial resistance surveillance in Africa: Successes, gaps and a roadmap for the future. African Journal of Laboratory Medicine, 2018, 7, 924.	0.6	19
70	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
71	Genome Analysis of a Highly Virulent Serotype 1 Strain of Streptococcus pneumoniae from West Africa. PLoS ONE, 2012, 7, e26742.	2.5	17
72	Meningococcus serogroup C clonal complex ST-10217 outbreak in Zamfara State, Northern Nigeria. Scientific Reports, 2018, 8, 14194.	3.3	17

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73	A tuberculosis nationwide prevalence survey in Gambia, 2012. Bulletin of the World Health Organization, 2016, 94, 433-441.	3.3	17
74	Travel measures in the SARS-CoV-2 variant era need clear objectives. Lancet, The, 2022, 399, 1367-1369.	13.7	17
75	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
76	Associations between nasopharyngeal carriage of Group B Streptococcus and other respiratory pathogens during early infancy. BMC Microbiology, 2016, 16, 97.	3.3	15
77	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 Shigella Severity Score: Implications for Pediatric Shigella Vaccine Trials. Clinical Infectious Diseases, 2021, 73, e569-e579.	5.8	15
78	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
79	Molecular diagnostic assays for the detection of common bacterial meningitis pathogens: A narrative review. EBioMedicine, 2021, 65, 103274.	6.1	15
80	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
81	Characteristics ofSalmonellaRecovered From Stools of Children Enrolled in the Global Enteric Multicenter Study. Clinical Infectious Diseases, 2021, 73, 631-641.	5.8	14
82	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
83	Genomic diversity of Escherichia coli isolates from backyard chickens and guinea fowl in the Gambia. Microbial Genomics, 2021, 7, .	2.0	13
84	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
85	Genomic diversity of Escherichia coli isolates from non-human primates in the Gambia. Microbial Genomics, 2020, 6, .	2.0	12
86	Interactions between fecal gut microbiome, enteric pathogens, and energy regulating hormones among acutely malnourished rural Gambian children. EBioMedicine, 2021, 73, 103644.	6.1	12
87	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
88	High Genotypic Diversity among Rotavirus Strains Infecting Gambian Children. Pediatric Infectious Disease Journal, 2014, 33, S69-S75.	2.0	11
89	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
90	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

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91	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
92	Etiology of Pediatric Bacterial Meningitis Pre- and Post-PCV13 Introduction Among Children Under 5 Years Old in LomÃ©, Togo. Clinical Infectious Diseases, 2019, 69, S97-S104.	5.8	9
93	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
94	Genomic diversity of Escherichia coli from healthy children in rural Gambia. PeerJ, 2021, 9, e10572.	2.0	9
95	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
96	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
97	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
98	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
99	Shifts in Mycobacterial Populations and Emerging Drug-Resistance in West and Central Africa. PLoS ONE, 2014, 9, e110393.	2.5	8
100	Temporal changes in nasopharyngeal carriage ofStreptococcus pneumoniaeserotype 1 genotypes in healthy Gambians before and after the 7-valent pneumococcal conjugate vaccine. PeerJ, 2015, 3, e903.	2.0	8
101	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
102	Etiology of Bacterial Meningitis Among Children <5 Years Old in CÃ´te dâ€™Ivoire: Findings of Hospital-based Surveillance Before and After Pneumococcal Conjugate Vaccine Introduction. Clinical Infectious Diseases, 2019, 69, S114-S120.	5.8	7
103	Declines in Pediatric Bacterial Meningitis in the Republic of Benin Following Introduction of Pneumococcal Conjugate Vaccine: Epidemiological and Etiological Findings, 2011â€“2016. Clinical Infectious Diseases, 2019, 69, S140-S147.	5.8	6
104	Prevalence and risk factors for Staphylococcus aureus nasopharyngeal carriage during a PCV trial. BMC Infectious Diseases, 2017, 17, 588.	2.9	5
105	Pneumococcal Meningitis Outbreaks in Africa, 2000â€“2018: Systematic Literature Review and Meningitis Surveillance Database Analyses. Journal of Infectious Diseases, 2021, 224, S174-S183.	4.0	5
106	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
107	Hospital-based Surveillance Provides Insights Into the Etiology of Pediatric Bacterial Meningitis in YaoundÃ©, Cameroon, in the Post-Vaccine Era. Clinical Infectious Diseases, 2019, 69, S148-S155.	5.8	4
108	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

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109	Incidence of macrolideâ€“lincosamideâ€“streptogramin B resistance amongst beta-haemolytic streptococci in The Gambia. BMC Research Notes, 2017, 10, 106.	1.4	3
110	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
111	Comparative Genomics of Disease and Carriage Serotype 1 Pneumococci. Genome Biology and Evolution, 2022, 14, .	2.5	3
112	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
113	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
114	Phylogeography and resistome of pneumococcal meningitis in West Africa before and after vaccine introduction. Microbial Genomics, 2021, 7, .	2.0	0
115	Pathogen Genomics and the Potential for Understanding Diseases in the Developing World. Advances in Microbial Ecology, 2012, , 51-72.	0.1	0