List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Risk Factors for Severe Outcomes following 2009 Influenza A (H1N1) Infection: A Global Pooled Analysis. PLoS Medicine, 2011, 8, e1001053.	3.9	581
2	Global Role and Burden of Influenza in Pediatric Respiratory Hospitalizations, 1982–2012: A Systematic Analysis. PLoS Medicine, 2016, 13, e1001977.	3.9	273
3	Altered balance between Th17 and Th1 cells at mucosal sites predicts AIDS progression in simian immunodeficiency virus-infected macaques. Mucosal Immunology, 2008, 1, 279-288.	2.7	212
4	CTLA-4 blockade decreases TGF-beta, IDO, and viral RNA expression in tissues of SIVmac251-infected macaques. Blood, 2006, 108, 3834-3842.	0.6	154
5	Epidemiological and virological characteristics of influenza B: results of the Global Influenza B Study. Influenza and Other Respiratory Viruses, 2015, 9, 3-12.	1.5	150
6	A year of genomic surveillance reveals how the SARS-CoV-2 pandemic unfolded in Africa. Science, 2021, 374, 423-431.	6.0	144
7	Subunit Recombinant Vaccine Protects against Monkeypox. Journal of Immunology, 2006, 177, 2552-2564.	0.4	139
8	Immune Activation Driven by CTLA-4 Blockade Augments Viral Replication at Mucosal Sites in Simian Immunodeficiency Virus Infection. Journal of Immunology, 2008, 180, 5439-5447.	0.4	115
9	Molecular Comparison and Evolutionary Analyses of VP1 Nucleotide Sequences of New African Human Enterovirus 71 Isolates Reveal a Wide Genetic Diversity. PLoS ONE, 2014, 9, e90624.	1.1	113
10	Influenza Surveillance in 15 Countries in Africa, 2006–2010. Journal of Infectious Diseases, 2012, 206, S14-S21.	1.9	112
11	The epidemiological signature of influenza B virus and its B/Victoria and B/Yamagata lineages in the 21st century. PLoS ONE, 2019, 14, e0222381.	1.1	102
12	Global epidemiology of non-influenza RNA respiratory viruses: data gaps and a growing need for surveillance. Lancet Infectious Diseases, The, 2017, 17, e320-e326.	4.6	92
13	Sentinel surveillance system for early outbreak detection in Madagascar. BMC Public Health, 2010, 10, 31.	1.2	85
14	Open source clinical science for emerging infections. Lancet Infectious Diseases, The, 2014, 14, 8-9.	4.6	82
15	Viral Etiology of Influenza-Like Illnesses in Antananarivo, Madagascar, July 2008 to June 2009. PLoS ONE, 2011, 6, e17579.	1.1	80
16	Influenza and COVIDâ€19: What does coâ€existence mean?. Influenza and Other Respiratory Viruses, 2021, 15, 407-412.	1.5	76
17	Improving influenza vaccine virus selectionReport of a WHO informal consultation held at WHO headquarters, Geneva, Switzerland, 14–16 June 2010. Influenza and Other Respiratory Viruses, 2012, 6, 142-152.	1.5	73
18	Influenza in Africa: Uncovering the Epidemiology of a Long-Overlooked Disease. Journal of Infectious Diseases, 2012, 206, S1-S4.	1.9	64

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19	Distribution of influenza virus types by age using case-based global surveillance data from twenty-nine countries, 1999-2014. BMC Infectious Diseases, 2018, 18, 269.	1.3	64
20	Suburban Transmission of Q Fever in French Guiana: Evidence of a Wild Reservoir. Journal of Infectious Diseases, 2001, 184, 278-284.	1.9	58
21	Temporal Patterns of Influenza A and B in Tropical and Temperate Countries: What Are the Lessons for Influenza Vaccination?. PLoS ONE, 2016, 11, e0152310.	1.1	58
22	Lipid Products of Phosphoinositide 3-Kinase and Phosphatidylinositol 4′,5′-Bisphosphate Are Both Required for ADP-dependent Platelet Spreading. Journal of Biological Chemistry, 1998, 273, 17817-17823.	1.6	54
23	Smallpox Vaccine Safety Is Dependent on T Cells and Not B Cells. Journal of Infectious Diseases, 2011, 203, 1043-1053.	1.9	53
24	Comparative global epidemiology of influenza, respiratory syncytial and parainfluenza viruses, 2010–2015. Journal of Infection, 2019, 79, 373-382.	1.7	53
25	Identification of novel paramyxoviruses in insectivorous bats of the Southwest Indian Ocean. Virus Research, 2012, 170, 159-163.	1.1	48
26	An Unexpected Recurrent Transmission of Rift Valley Fever Virus in Cattle in a Temperate and Mountainous Area of Madagascar. PLoS Neglected Tropical Diseases, 2011, 5, e1423.	1.3	46
27	Short message service sentinel surveillance of influenza-like illness in Madagascar, 2008-2012. Bulletin of the World Health Organization, 2012, 90, 385-389.	1.5	44
28	High Prevalence of Hepatitis E in Humans and Pigs and Evidence of Genotype-3 Virus in Swine, Madagascar. American Journal of Tropical Medicine and Hygiene, 2013, 88, 329-338.	0.6	44
29	Severe Acute Respiratory Illness Deaths in Sub-Saharan Africa and the Role of Influenza: A Case Series From 8 Countries. Journal of Infectious Diseases, 2015, 212, 853-860.	1.9	43
30	Drivers of Rift Valley fever epidemics in Madagascar. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 938-943.	3.3	41
31	Highly Diverse Morbillivirus-Related Paramyxoviruses in Wild Fauna of the Southwestern Indian Ocean Islands: Evidence of Exchange between Introduced and Endemic Small Mammals. Journal of Virology, 2014, 88, 8268-8277.	1.5	39
32	Chimeric peptide vaccine composed of B- and T-cell epitopes of human T-cell leukemia virus type 1 induces humoral and cellular immune responses and reduces the proviral load in immunized squirrel monkeys (Saimiri sciureus). Journal of General Virology, 2006, 87, 1331-1337.	1.3	38
33	Burden and epidemiology of influenza―and respiratory syncytial virusâ€associated severe acute respiratory illness hospitalization in Madagascar, 2011â€2016. Influenza and Other Respiratory Viruses, 2019, 13, 138-147.	1.5	38
34	An exploration of the political, social, economic and cultural factors affecting how different global regions initially reacted to the COVID-19 pandemic. Interface Focus, 2022, 12, 20210079.	1.5	37
35	Disentangling serology to elucidate henipa―and filovirus transmission in Madagascar fruit bats. Journal of Animal Ecology, 2019, 88, 1001-1016.	1.3	36
36	GeneXpert for the diagnosis of COVID-19 in LMICs. The Lancet Global Health, 2020, 8, e1457-e1458.	2.9	36

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37	Differential Antigen Requirements for Protection against Systemic and Intranasal Vaccinia Virus Challenges in Mice. Journal of Virology, 2008, 82, 6829-6837.	1.5	34
38	High Prevalence of West Nile Virus in Domestic Birds and Detection in 2 New Mosquito Species in Madagascar. PLoS ONE, 2016, 11, e0147589.	1.1	34
39	Identifying the etiology and pathophysiology underlying stunting and environmental enteropathy: study protocol of the AFRIBIOTA project. BMC Pediatrics, 2018, 18, 236.	0.7	32
40	First Case of Yellow Fever in French Guiana since 1902. Emerging Infectious Diseases, 1999, 5, 429-432.	2.0	29
41	Detection of new genetic variants of Betacoronaviruses in Endemic Frugivorous Bats of Madagascar. Virology Journal, 2015, 12, 42.	1.4	29
42	Spatiotemporal Circulation of Influenza Viruses in 5 African Countries During 2008–2009: A Collaborative Study of the Institut Pasteur International Network. Journal of Infectious Diseases, 2012, 206, S5-S13.	1.9	25
43	Fatal Pancreatitis in Simian Immunodeficiency Virus SIV _{mac251} -Infected Macaques Treated with 2′,3′-Dideoxyinosine and Stavudine following Cytotoxic-T-Lymphocyte-Associated Antigen 4 and Indoleamine 2,3-Dioxygenase Blockade. Journal of Virology, 2012, 86, 108-113.	1.5	24
44	Influenza seasonality in M adagascar: the mysterious A frican freeâ€runner. Influenza and Other Respiratory Viruses, 2015, 9, 101-109.	1.5	24
45	Dried-Blood Spots: A Cost-Effective Field Method for the Detection of Chikungunya Virus Circulation in Remote Areas. PLoS Neglected Tropical Diseases, 2013, 7, e2339.	1.3	23
46	Healthcare utilization, provisioning of post-exposure prophylaxis, and estimation of human rabies burden in Madagascar. Vaccine, 2019, 37, A35-A44.	1.7	23
47	Epidemiology of severe acute respiratory infections from hospital-based surveillance in Madagascar, November 2010 to July 2013. PLoS ONE, 2018, 13, e0205124.	1.1	22
48	The COVIDâ€19 epidemic in Madagascar: clinical description and laboratory results of the first wave, marchâ€september 2020. Influenza and Other Respiratory Viruses, 2021, 15, 457-468.	1.5	22
49	Household transmission of COVIDâ€19 among the earliest cases in Antananarivo, Madagascar. Influenza and Other Respiratory Viruses, 2022, 16, 48-55.	1.5	22
50	Whole Genome Sequencing of Enteroviruses Species A to D by High-Throughput Sequencing: Application for Viral Mixtures. Frontiers in Microbiology, 2018, 9, 2339.	1.5	21
51	Revealing Measles Outbreak Risk With a Nested Immunoglobulin G Serosurvey in Madagascar. American Journal of Epidemiology, 2018, 187, 2219-2226.	1.6	21
52	Anjozorobe Hantavirus, a New Genetic Variant of Thailand Virus Detected in Rodents from Madagascar. Vector-Borne and Zoonotic Diseases, 2014, 14, 212-219.	0.6	20
53	Seroepidemiological Study of Interepidemic Rift Valley Fever Virus Infection Among Persons with Intense Ruminant Exposure in Madagascar and Kenya. American Journal of Tropical Medicine and Hygiene, 2015, 93, 1364-1370.	0.6	20
54	High Permissiveness for Genetic Exchanges between Enteroviruses of Species A, including Enterovirus 71, Favors Evolution through Intertypic Recombination in Madagascar. Journal of Virology, 2019, 93, .	1.5	20

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55	SARS-CoV-2 antibody seroprevalence follow-up in Malagasy blood donors during the 2020 COVID-19 Epidemic. EBioMedicine, 2021, 68, 103419.	2.7	20
56	Integrated Analysis of Environment, Cattle and Human Serological Data: Risks and Mechanisms of Transmission of Rift Valley Fever in Madagascar. PLoS Neglected Tropical Diseases, 2016, 10, e0004827.	1.3	20
57	Vaccine induced antibodies to the first variable loop of human immunodeficiency virus type 1 gp120, mediate antibody-dependent virus inhibition in macaques. Vaccine, 2011, 30, 78-94.	1.7	19
58	Prevalence of chronic hepatitis B virus infection and infrastructure for its diagnosis in Madagascar: implication for the WHO's elimination strategy. BMC Public Health, 2017, 17, 636.	1.2	18
59	Seasonal gaps in measles vaccination coverage in Madagascar. Vaccine, 2019, 37, 2511-2519.	1.7	18
60	Laboratory Surveillance of Rabies in Humans, Domestic Animals, and Bats in Madagascar from 2005 to 2010. Advances in Preventive Medicine, 2011, 2011, 1-6.	1.1	17
61	Vector competence of <i>Culex antennatus</i> and <i>Anopheles coustani</i> mosquitoes for Rift Valley fever virus in Madagascar. Medical and Veterinary Entomology, 2018, 32, 259-262.	0.7	17
62	Geographical distribution and relative risk of Anjozorobe virus (Thailand orthohantavirus) infection in black rats (Rattus rattus) in Madagascar. Virology Journal, 2018, 15, 83.	1.4	17
63	Determination of natural versus laboratory human infection with Mayaro virus by molecular analysis. Epidemiology and Infection, 1999, 123, 511-513.	1.0	16
64	Association of Tonate Virus (Subtype IIIB of the Venezuelan Equine Encephalitis Complex) with Encephalitis in a Human. Clinical Infectious Diseases, 2000, 30, 188-190.	2.9	16
65	Molecular cloning, characterization, and quantification of squirrel monkey (Saimiri sciureus) Th1 and Th2 cytokines. Immunogenetics, 2002, 54, 20-29.	1.2	16
66	Study on causes of fever in primary healthcare center uncovers pathogens of public health concern in Madagascar. PLoS Neglected Tropical Diseases, 2018, 12, e0006642.	1.3	16
67	Correlating indoor and outdoor temperature and humidity in a sample of buildings in tropical climates. Indoor Air, 2021, 31, 2281-2295.	2.0	16
68	Absence of Rift Valley Fever Virus in Wild Small Mammals, Madagascar. Emerging Infectious Diseases, 2013, 19, 1025-1027.	2.0	15
69	Outcome Risk Factors during Respiratory Infections in a Paediatric Ward in Antananarivo, Madagascar 2010–2012. PLoS ONE, 2013, 8, e72839.	1.1	15
70	Development of real-time RT-PCR for the detection of low concentrations of Rift Valley fever virus. Journal of Virological Methods, 2014, 195, 92-99.	1.0	15
71	Reconstruction of Rift Valley fever transmission dynamics in Madagascar: estimation of force of infection from seroprevalence surveys using Bayesian modelling. Scientific Reports, 2017, 7, 39870.	1.6	15
72	Population trends for two Malagasy fruit bats. Biological Conservation, 2019, 234, 165-171.	1.9	15

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73	Evaluation of the influenza sentinel surveillance system in Madagascar, 2009–2014. Bulletin of the World Health Organization, 2017, 95, 375-381.	1.5	15
74	Introduction of rubella-containing-vaccine to Madagascar: implications for roll-out and local elimination. Journal of the Royal Society Interface, 2016, 13, 20151101.	1.5	14
75	Babesial infection in the Madagascan flying fox, Pteropus rufus É. Geoffroy, 1803. Parasites and Vectors, 2019, 12, 51.	1.0	14
76	Using research to prepare for outbreaks of severe acute respiratory infection. BMJ Global Health, 2019, 4, e001061.	2.0	14
77	West Nile virus infection in horses, Indian ocean. Comparative Immunology, Microbiology and Infectious Diseases, 2017, 53, 45-49.	0.7	13
78	Full Genome Nobecovirus Sequences From Malagasy Fruit Bats Define a Unique Evolutionary History for This Coronavirus Clade. Frontiers in Public Health, 2022, 10, 786060.	1.3	13
79	Crimean-Congo hemorrhagic fever serosurvey in at-risk professionals, Madagascar, 2008 and 2009. Journal of Clinical Virology, 2011, 52, 370-372.	1.6	12
80	Surveillance and control of rabies in La Reunion, Mayotte, and Madagascar. Veterinary Research, 2013, 44, 77.	1.1	12
81	Excess mortality associated with the 2009 A(H1N1)v influenza pandemic in Antananarivo, Madagascar. Epidemiology and Infection, 2013, 141, 745-750.	1.0	12
82	Reemergence of Recombinant Vaccine–derived Polioviruses in Healthy Children, Madagascar. Emerging Infectious Diseases, 2013, 19, 1008-1010.	2.0	12
83	Development and validation of a pen side test for Rift Valley fever. PLoS Neglected Tropical Diseases, 2019, 13, e0007700.	1.3	12
84	Genetic diversity and molecular epidemiology of respiratory syncytial virus circulated in Antananarivo, Madagascar, from 2011 to 2017: Predominance of ON1 and BA9 genotypes. Journal of Clinical Virology, 2020, 129, 104506.	1.6	12
85	How geographic access to care shapes disease burden: The current impact of post-exposure prophylaxis and potential for expanded access to prevent human rabies deaths in Madagascar. PLoS Neglected Tropical Diseases, 2021, 15, e0008821.	1.3	11
86	The Spread of Influenza A(H1N1)pdm09 Virus in Madagascar Described by a Sentinel Surveillance Network. PLoS ONE, 2012, 7, e37067.	1.1	11
87	Pandemic influenza A(H1N1) 2009 virus outbreak among boarding school pupils in Madagascar: compliance and adverse effects of prophylactic oseltamivir treatment. Journal of Infection in Developing Countries, 2011, 5, 156-162.	0.5	11
88	Detection in and circulation of Bluetongue virus among domestic ruminants in Madagascar. Veterinary Microbiology, 2015, 176, 268-273.	0.8	10
89	Monitoring for outbreak-associated excess mortality in an African city: Detection limits in Antananarivo, Madagascar. International Journal of Infectious Diseases, 2021, 103, 338-342.	1.5	10
90	Reduced cell turnover in lymphocytic monkeys infected by human T-lymphotropic virus type 1. Oncogene, 2005, 24, 7514-7523.	2.6	9

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91	Awareness of mother-to-child transmission of human T-cell lymphotropic virus (HTLV) type I through breastfeeding in a small group of HTLV-positive women in Maripasoula and PapaÃ⁻chton, French Guiana. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2006, 100, 715-718.	0.7	9
92	The efficacy of combined therapy of arsenic trioxide and alpha interferon in human T-cell leukemia virus type-1-infected squirrel monkeys (Saimiri sciureus). Antiviral Research, 2006, 70, 132-139.	1.9	9
93	Genotype Diversity and Spread of White Spot Syndrome Virus (WSSV) in Madagascar (2012–2016). Viruses, 2021, 13, 1713.	1.5	8
94	Cross-sectional cycle threshold values reflect epidemic dynamics of COVID-19 in Madagascar. Epidemics, 2022, 38, 100533.	1.5	8
95	Preexisting Infection with Human T-Cell Lymphotropic Virus Type 2 neither Exacerbates nor Attenuates Simian Immunodeficiency Virus SIV _{mac251} Infection in Macaques. Journal of Virology, 2010, 84, 3043-3058.	1.5	7
96	Rotavirus genotypes in children in the community with diarrhea in Madagascar. Journal of Medical Virology, 2013, 85, 1652-1660.	2.5	7
97	First Full Genome Sequence of a Human Enterovirus A120, Isolated in Madagascar. Genome Announcements, 2014, 2, .	0.8	7
98	Clobal circulation of respiratory viruses: from local observations to global predictions. The Lancet Clobal Health, 2019, 7, e982-e983.	2.9	7
99	Enabling animal rabies diagnostic in low-access areas: Sensitivity and specificity of a molecular diagnostic test from cerebral tissue dried on filter paper. PLoS Neglected Tropical Diseases, 2020, 14, e0008116.	1.3	7
100	Influenza surveillance capacity improvements in Africa during 2011â€⊋017. Influenza and Other Respiratory Viruses, 2021, 15, 495-505.	1.5	7
101	Early-warning health and process indicators for sentinel surveillance in Madagascar 2007-2011. Online Journal of Public Health Informatics, 2014, 6, e197.	0.4	7
102	Immunological changes and cytokine gene expression during primary infection with human T-cell leukaemia virus type 1 in squirrel monkeys (Saimiri sciureus). Virology, 2007, 361, 402-411.	1.1	6
103	Epidemiological and Virological Characterization of 2009 Pandemic Influenza A Virus Subtype H1N1 in Madagascar. Journal of Infectious Diseases, 2012, 206, S140-S147.	1.9	6
104	Both hemispheric influenza vaccine recommendations would have missed near half of the circulating viruses in Madagascar. Influenza and Other Respiratory Viruses, 2017, 11, 473-478.	1.5	6
105	Assessment of poliovirus antibody seroprevalence in high risk areas for vaccine derived poliovirus transmission in Madagascar. Heliyon, 2018, 4, e00563.	1.4	6
106	Factors Influencing Atypical Clinical Presentations during the 2017 Madagascar Pneumonic Plague Outbreak: A Prospective Cohort Study. American Journal of Tropical Medicine and Hygiene, 2020, 102, 1309-1315.	0.6	6
107	Human Exposure to Hantaviruses Associated with Rodents of the <i>Murinae</i> Subfamily, Madagascar. Emerging Infectious Diseases, 2020, 26, 587-590.	2.0	5
108	Genetic diversity of hepatitis B virus (HBV) in Madagascar. Journal of Medical Virology, 2016, 88, 2138-2144	2.5	4

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109	External quality assessment of Rift Valley fever diagnosis in countries at risk of the disease: African, Indian Ocean and Middle-East regions. PLoS ONE, 2021, 16, e0251263.	1.1	4
110	Molecular characterization of major histocompatibility complex class 1 (MHC-I) from squirrel monkeys (Saimiri sciureus). Immunogenetics, 2003, 55, 633-639.	1.2	3
111	Burden and Epidemiology of Influenza- and Respiratory Syncytial Virus-Associated Severe Acute Respiratory Illness Hospitalization in Madagascar, 2011-2016. Influenza and Other Respiratory Viruses, 2019, 13, 138.	1.5	3
112	Surveillance of Viral Encephalitis in the Context of COVID-19: A One-Year Observational Study among Hospitalized Patients in Dakar, Senegal. Viruses, 2022, 14, 871.	1.5	3
113	Epidemiology and Molecular Analyses of Influenza B Viruses in Senegal from 2010 to 2019. Viruses, 2022, 14, 1063.	1.5	3
114	SARSâ€CoVâ€2 infection rate in Antananarivo frontline health care workers, Madagascar. Influenza and Other Respiratory Viruses, 2022, 16, 994-1003.	1.5	3
115	Origin and evolutionary dynamics of Hepatitis B virus (HBV) genotype E in Madagascar. Pathogens and Global Health, 2017, 111, 23-30.	1.0	2
116	Development of a New Internally Controlled One-Step Real-Time RT-PCR for the Molecular Detection of Enterovirus A71 in Africa and Madagascar. Frontiers in Microbiology, 2020, 11, 1907.	1.5	2
117	The Challenge of Achieving Immunity Through Multiple-Dose Vaccines in Madagascar. American Journal of Epidemiology, 2021, 190, 2085-2093.	1.6	2
118	Can we do better? A guide to pandemics – some Dos and Don'ts for the next one. Journal of Infection, 2021, 83, 119-145.	1.7	2
119	Seroprevalence of pertussis in Madagascar and implications for vaccination. Epidemiology and Infection, 2020, 148, e283.	1.0	1
120	Seasonal determinants of access to care: implications for measles outbreak risk in Madagascar. Lancet, The, 2017, 389, S14.	6.3	1
121	Towards better targeting: lessons from a posthoneymoon measles outbreak in Madagascar, 2018–2019. BMJ Global Health, 2020, 5, e003153.	2.0	1
122	Rabies surveillance in Senegal 2001 to 2015 uncovers first infection of a honeyâ€badger. Transboundary and Emerging Diseases, 2022, , .	1.3	1
123	Fast, Sensitive and Specific Detection of Thailand orthohantavirus and its Variants Using One-Step Real-Time Reverse-Transcription Polymerase Chain Reaction Assay. Viruses, 2019, 11, 718.	1.5	0
124	Assessment of surveillance predictors for suspected respiratory syncytial virus, influenza and Streptococcus pneumoniae infections in children aged <5 years in Madagascar. IJID Regions, 2022, 2, 82-89.	0.5	0