

Jean Michel Hraud

List of Publications by Citations

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120
papers

3,257
citations

29
h-index

53
g-index

134
ext. papers

4,012
ext. citations

6.7
avg, IF

4.51
L-index

#	Paper	IF	Citations
120	Risk factors for severe outcomes following 2009 influenza A (H1N1) infection: a global pooled analysis. <i>PLoS Medicine</i> , 2011 , 8, e1001053	11.6	468
119	Global Role and Burden of Influenza in Pediatric Respiratory Hospitalizations, 1982-2012: A Systematic Analysis. <i>PLoS Medicine</i> , 2016 , 13, e1001977	11.6	199
118	Altered balance between Th17 and Th1 cells at mucosal sites predicts AIDS progression in simian immunodeficiency virus-infected macaques. <i>Mucosal Immunology</i> , 2008 , 1, 279-88	9.2	194
117	CTLA-4 blockade decreases TGF-beta, IDO, and viral RNA expression in tissues of SIVmac251-infected macaques. <i>Blood</i> , 2006 , 108, 3834-42	2.2	133
116	Epidemiological and virological characteristics of influenza B: results of the Global Influenza B Study. <i>Influenza and Other Respiratory Viruses</i> , 2015 , 9 Suppl 1, 3-12	5.6	115
115	Immune activation driven by CTLA-4 blockade augments viral replication at mucosal sites in simian immunodeficiency virus infection. <i>Journal of Immunology</i> , 2008 , 180, 5439-47	5.3	102
114	Influenza surveillance in 15 countries in Africa, 2006-2010. <i>Journal of Infectious Diseases</i> , 2012 , 206 Suppl 1, S14-21	7	101
113	Molecular comparison and evolutionary analyses of VP1 nucleotide sequences of new African human enterovirus 71 isolates reveal a wide genetic diversity. <i>PLoS ONE</i> , 2014 , 9, e90624	3.7	94
112	Subunit recombinant vaccine protects against monkeypox. <i>Journal of Immunology</i> , 2006 , 177, 2552-64	5.3	91
111	Global epidemiology of non-influenza RNA respiratory viruses: data gaps and a growing need for surveillance. <i>Lancet Infectious Diseases</i> , 2017 , 17, e320-e326	25.5	68
110	Sentinel surveillance system for early outbreak detection in Madagascar. <i>BMC Public Health</i> , 2010 , 10, 31	4.1	68
109	Viral etiology of influenza-like illnesses in Antananarivo, Madagascar, July 2008 to June 2009. <i>PLoS ONE</i> , 2011 , 6, e17579	3.7	67
108	Open source clinical science for emerging infections. <i>Lancet Infectious Diseases</i> , 2014 , 14, 8-9	25.5	58
107	Improving influenza vaccine virus selection: report of a WHO informal consultation held at WHO headquarters, Geneva, Switzerland, 14-16 June 2010. <i>Influenza and Other Respiratory Viruses</i> , 2012 , 6, 142-52, e1-5	5.6	55
106	Lipid products of phosphoinositide 3-kinase and phosphatidylinositol 4,5-bisphosphate are both required for ADP-dependent platelet spreading. <i>Journal of Biological Chemistry</i> , 1998 , 273, 17817-23	5.4	48
105	Temporal Patterns of Influenza A and B in Tropical and Temperate Countries: What Are the Lessons for Influenza Vaccination?. <i>PLoS ONE</i> , 2016 , 11, e0152310	3.7	44
104	Suburban transmission of Q fever in French Guiana: evidence of a wild reservoir. <i>Journal of Infectious Diseases</i> , 2001 , 184, 278-84	7	43

103	The epidemiological signature of influenza B virus and its B/Victoria and B/Yamagata lineages in the 21st century. <i>PLoS ONE</i> , 2019 , 14, e0222381	3.7	42
102	Distribution of influenza virus types by age using case-based global surveillance data from twenty-nine countries, 1999-2014. <i>BMC Infectious Diseases</i> , 2018 , 18, 269	4	39
101	Short message service sentinel surveillance of influenza-like illness in Madagascar, 2008-2012. <i>Bulletin of the World Health Organization</i> , 2012 , 90, 385-9	8.2	38
100	Identification of novel paramyxoviruses in insectivorous bats of the Southwest Indian Ocean. <i>Virus Research</i> , 2012 , 170, 159-63	6.4	37
99	An unexpected recurrent transmission of Rift Valley fever virus in cattle in a temperate and mountainous area of Madagascar. <i>PLoS Neglected Tropical Diseases</i> , 2011 , 5, e1423	4.8	36
98	Smallpox vaccine safety is dependent on T cells and not B cells. <i>Journal of Infectious Diseases</i> , 2011 , 203, 1043-53	7	35
97	A year of genomic surveillance reveals how the SARS-CoV-2 pandemic unfolded in Africa. <i>Science</i> , 2021 , 374, 423-431	33.3	35
96	Comparative global epidemiology of influenza, respiratory syncytial and parainfluenza viruses, 2010-2015. <i>Journal of Infection</i> , 2019 , 79, 373-382	18.9	34
95	High prevalence of hepatitis E in humans and pigs and evidence of genotype-3 virus in swine, Madagascar. <i>American Journal of Tropical Medicine and Hygiene</i> , 2013 , 88, 329-38	3.2	34
94	Severe Acute Respiratory Illness Deaths in Sub-Saharan Africa and the Role of Influenza: A Case Series From 8 Countries. <i>Journal of Infectious Diseases</i> , 2015 , 212, 853-60	7	33
93	Highly diverse morbillivirus-related paramyxoviruses in wild fauna of the southwestern Indian Ocean Islands: evidence of exchange between introduced and endemic small mammals. <i>Journal of Virology</i> , 2014 , 88, 8268-77	6.6	29
92	Differential antigen requirements for protection against systemic and intranasal vaccinia virus challenges in mice. <i>Journal of Virology</i> , 2008 , 82, 6829-37	6.6	28
91	Burden and epidemiology of influenza- and respiratory syncytial virus-associated severe acute respiratory illness hospitalization in Madagascar, 2011-2016. <i>Influenza and Other Respiratory Viruses</i> , 2019 , 13, 138-147	5.6	28
90	Drivers of Rift Valley fever epidemics in Madagascar. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 938-943	11.5	25
89	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 (<i>Saimiri sciureus</i>). <i>Journal of General Virology</i> , 2006 , 87, 1331-1337	4.9	24
88	Influenza and COVID-19: What does co-existence mean?. <i>Influenza and Other Respiratory Viruses</i> , 2021 , 15, 407-412	5.6	24
87	Fatal pancreatitis in simian immunodeficiency virus SIV(mac251)-infected macaques treated with 253Sdideoxyinosine and stavudine following cytotoxic-T-lymphocyte-associated antigen 4 and indoleamine 2,3-dioxygenase blockade. <i>Journal of Virology</i> , 2012 , 86, 108-13	6.6	23
86	Spatiotemporal circulation of influenza viruses in 5 African countries during 2008-2009: a collaborative study of the Institut Pasteur International Network. <i>Journal of Infectious Diseases</i> , 2012 , 206 Suppl 1, S5-13	7	23

85	High Prevalence of West Nile Virus in Domestic Birds and Detection in 2 New Mosquito Species in Madagascar. <i>PLoS ONE</i> , 2016 , 11, e0147589	3.7	23
84	Disentangling serology to elucidate henipa- and filovirus transmission in Madagascar fruit bats. <i>Journal of Animal Ecology</i> , 2019 , 88, 1001-1016	4.7	21
83	Detection of new genetic variants of Betacoronaviruses in Endemic Frugivorous Bats of Madagascar. <i>Virology Journal</i> , 2015 , 12, 42	6.1	20
82	First case of yellow fever in French Guiana since 1902. <i>Emerging Infectious Diseases</i> , 1999 , 5, 429-32	10.2	20
81	GeneXpert for the diagnosis of COVID-19 in LMICs. <i>The Lancet Global Health</i> , 2020 , 8, e1457-e1458	13.6	20
80	Dried-blood spots: a cost-effective field method for the detection of Chikungunya virus circulation in remote areas. <i>PLoS Neglected Tropical Diseases</i> , 2013 , 7, e2339	4.8	18
79	Epidemiology of severe acute respiratory infections from hospital-based surveillance in Madagascar, November 2010 to July 2013. <i>PLoS ONE</i> , 2018 , 13, e0205124	3.7	18
78	Influenza seasonality in Madagascar: the mysterious African free-runner. <i>Influenza and Other Respiratory Viruses</i> , 2015 , 9, 101-9	5.6	17
77	Identifying the etiology and pathophysiology underlying stunting and environmental enteropathy: study protocol of the AFRIBIOTA project. <i>BMC Pediatrics</i> , 2018 , 18, 236	2.6	17
76	Vaccine induced antibodies to the first variable loop of human immunodeficiency virus type 1 gp120, mediate antibody-dependent virus inhibition in macaques. <i>Vaccine</i> , 2011 , 30, 78-94	4.1	16
75	Outcome risk factors during respiratory infections in a paediatric ward in Antananarivo, Madagascar 2010-2012. <i>PLoS ONE</i> , 2013 , 8, e72839	3.7	15
74	Molecular cloning, characterization, and quantification of squirrel monkey (<i>Saimiri sciureus</i>) Th1 and Th2 cytokines. <i>Immunogenetics</i> , 2002 , 54, 20-9	3.2	15
73	Healthcare utilization, provisioning of post-exposure prophylaxis, and estimation of human rabies burden in Madagascar. <i>Vaccine</i> , 2019 , 37 Suppl 1, A35-A44	4.1	15
72	Integrated Analysis of Environment, Cattle and Human Serological Data: Risks and Mechanisms of Transmission of Rift Valley Fever in Madagascar. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004827	4.8	14
71	Seroepidemiological Study of Interepidemic Rift Valley Fever Virus Infection Among Persons with Intense Ruminant Exposure in Madagascar and Kenya. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015 , 93, 1364-1370	3.2	13
70	Absence of Rift Valley fever virus in wild small mammals, Madagascar. <i>Emerging Infectious Diseases</i> , 2013 , 19, 1025-7	10.2	13
69	Determination of natural versus laboratory human infection with Mayaro virus by molecular analysis. <i>Epidemiology and Infection</i> , 1999 , 123, 511-3	4.3	13
68	Evaluation of the influenza sentinel surveillance system in Madagascar, 2009-2014. <i>Bulletin of the World Health Organization</i> , 2017 , 95, 375-381	8.2	13

67	Whole Genome Sequencing of Enteroviruses Species A to D by High-Throughput Sequencing: Application for Viral Mixtures. <i>Frontiers in Microbiology</i> , 2018 , 9, 2339	5.7	13
66	Prevalence of chronic hepatitis B virus infection and infrastructure for its diagnosis in Madagascar: implication for the WHO's elimination strategy. <i>BMC Public Health</i> , 2017 , 17, 636	4.1	12
65	Anjzorobe hantavirus, a new genetic variant of Thailand virus detected in rodents from Madagascar. <i>Vector-Borne and Zoonotic Diseases</i> , 2014 , 14, 212-9	2.4	12
64	Laboratory surveillance of rabies in humans, domestic animals, and bats in madagascar from 2005 to 2010. <i>Advances in Preventive Medicine</i> , 2011 , 2011, 727821	1.7	12
63	Association of Tonate virus (subtype IIIB of the Venezuelan equine encephalitis complex) with encephalitis in a human. <i>Clinical Infectious Diseases</i> , 2000 , 30, 188-90	11.6	12
62	Pandemic influenza A(H1N1) 2009 virus outbreak among boarding school pupils in Madagascar: compliance and adverse effects of prophylactic oseltamivir treatment. <i>Journal of Infection in Developing Countries</i> , 2011 , 5, 156-62	2.3	11
61	Introduction of rubella-containing-vaccine to Madagascar: implications for roll-out and local elimination. <i>Journal of the Royal Society Interface</i> , 2016 , 13,	4.1	11
60	Vector competence of <i>Culex antennatus</i> and <i>Anopheles coustani</i> mosquitoes for Rift Valley fever virus in Madagascar. <i>Medical and Veterinary Entomology</i> , 2018 , 32, 259-262	2.4	10
59	Revealing Measles Outbreak Risk With a Nested Immunoglobulin G Serosurvey in Madagascar. <i>American Journal of Epidemiology</i> , 2018 , 187, 2219-2226	3.8	10
58	Development of real-time RT-PCR for the detection of low concentrations of Rift Valley fever virus. <i>Journal of Virological Methods</i> , 2014 , 195, 92-9	2.6	10
57	Surveillance and control of rabies in La Reunion, Mayotte, and Madagascar. <i>Veterinary Research</i> , 2013 , 44, 77	3.8	10
56	The spread of influenza A(H1N1)pdm09 virus in Madagascar described by a sentinel surveillance network. <i>PLoS ONE</i> , 2012 , 7, e37067	3.7	10
55	High Permissiveness for Genetic Exchanges between Enteroviruses of Species A, including Enterovirus 71, Favors Evolution through Intertypic Recombination in Madagascar. <i>Journal of Virology</i> , 2019 , 93,	6.6	10
54	Development and validation of a pen side test for Rift Valley fever. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007700	4.8	9
53	Study on causes of fever in primary healthcare center uncovers pathogens of public health concern in Madagascar. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006642	4.8	9
52	Geographical distribution and relative risk of Anjzorobe virus (Thailand orthohantavirus) infection in black rats (<i>Rattus rattus</i>) in Madagascar. <i>Virology Journal</i> , 2018 , 15, 83	6.1	9
51	Crimean-Congo hemorrhagic fever serosurvey in at-risk professionals, Madagascar, 2008 and 2009. <i>Journal of Clinical Virology</i> , 2011 , 52, 370-2	14.5	9
50	Reduced cell turnover in lymphocytic monkeys infected by human T-lymphotropic virus type 1. <i>Oncogene</i> , 2005 , 24, 7514-23	9.2	9

49	Reconstruction of Rift Valley fever transmission dynamics in Madagascar: estimation of force of infection from seroprevalence surveys using Bayesian modelling. <i>Scientific Reports</i> , 2017 , 7, 39870	4.9	8
48	Population trends for two Malagasy fruit bats. <i>Biological Conservation</i> , 2019 , 234, 165-171	6.2	8
47	Using research to prepare for outbreaks of severe acute respiratory infection. <i>BMJ Global Health</i> , 2019 , 4, e001061	6.6	8
46	Detection in and circulation of Bluetongue virus among domestic ruminants in Madagascar. <i>Veterinary Microbiology</i> , 2015 , 176, 268-73	3.3	8
45	Excess mortality associated with the 2009 A(H1N1)v influenza pandemic in Antananarivo, Madagascar. <i>Epidemiology and Infection</i> , 2013 , 141, 745-50	4.3	8
44	Seasonal gaps in measles vaccination coverage in Madagascar. <i>Vaccine</i> , 2019 , 37, 2511-2519	4.1	7
43	First full genome sequence of a human enterovirus a120, isolated in madagascar. <i>Genome Announcements</i> , 2014 , 2,		7
42	West Nile virus infection in horses, Indian ocean. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2017 , 53, 45-49	2.6	7
41	Preexisting infection with human T-cell lymphotropic virus type 2 neither exacerbates nor attenuates simian immunodeficiency virus SIVmac251 infection in macaques. <i>Journal of Virology</i> , 2010 , 84, 3043-58	6.6	7
40	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 Papaïchton, French Guiana. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2006 , 100, 715-8	2	7
39	Monitoring for outbreak-associated excess mortality in an African city: Detection limits in Antananarivo, Madagascar. <i>International Journal of Infectious Diseases</i> , 2021 , 103, 338-342	10.5	7
38	Babesial infection in the Madagascan flying fox, <i>Pteropus rufus</i> Geoffroy, 1803. <i>Parasites and Vectors</i> , 2019 , 12, 51	4	6
37	Rotavirus genotypes in children in the community with diarrhea in Madagascar. <i>Journal of Medical Virology</i> , 2013 , 85, 1652-60	19.7	6
36	Reemergence of recombinant vaccine-derived polioviruses in healthy children, Madagascar. <i>Emerging Infectious Diseases</i> , 2013 , 19, 1008-10	10.2	6
35	Epidemiological and virological characterization of 2009 pandemic influenza A virus subtype H1N1 in Madagascar. <i>Journal of Infectious Diseases</i> , 2012 , 206 Suppl 1, S140-7	7	6
34	The efficacy of combined therapy of arsenic trioxide and alpha interferon in human T-cell leukemia virus type-1-infected squirrel monkeys (<i>Saimiri sciureus</i>). <i>Antiviral Research</i> , 2006 , 70, 132-9	10.8	6
33	An exploration of the political, social, economic and cultural factors affecting how different global regions initially reacted to the COVID-19 pandemic.. <i>Interface Focus</i> , 2022 , 12, 20210079	3.9	6
32	SARS-CoV-2 antibody seroprevalence follow-up in Malagasy blood donors during the 2020 COVID-19 Epidemic. <i>EBioMedicine</i> , 2021 , 68, 103419	8.8	6

31	Genetic diversity and molecular epidemiology of respiratory syncytial virus circulated in Antananarivo, Madagascar, from 2011 to 2017: Predominance of ON1 and BA9 genotypes. <i>Journal of Clinical Virology</i> , 2020 , 129, 104506	14.5	5
30	Immunological changes and cytokine gene expression during primary infection with human T-cell leukaemia virus type 1 in squirrel monkeys (<i>Saimiri sciureus</i>). <i>Virology</i> , 2007 , 361, 402-11	3.6	5
29	Early-warning health and process indicators for sentinel surveillance in Madagascar 2007-2011. <i>Online Journal of Public Health Informatics</i> , 2014 , 6, e197	0.3	5
28	The COVID-19 epidemic in Madagascar: clinical description and laboratory results of the first wave, march-september 2020. <i>Influenza and Other Respiratory Viruses</i> , 2021 , 15, 457-468	5.6	5
27	Both hemispheric influenza vaccine recommendations would have missed near half of the circulating viruses in Madagascar. <i>Influenza and Other Respiratory Viruses</i> , 2017 , 11, 473-478	5.6	4
26	Genetic diversity of hepatitis B virus (HBV) in Madagascar. <i>Journal of Medical Virology</i> , 2016 , 88, 2138-2144	4.7	4
25	Factors Influencing Atypical Clinical Presentations during the 2017 Madagascar Pneumonic Plague Outbreak: A Prospective Cohort Study. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020 , 102, 1309-1315	3.2	4
24	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. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0008821	4.8	4
23	Assessment of poliovirus antibody seroprevalence in high risk areas for vaccine derived poliovirus transmission in Madagascar. <i>Heliyon</i> , 2018 , 4, e00563	3.6	3
22	Burden and epidemiology of influenza- and respiratory syncytial virus-associated severe acute respiratory illness hospitalization in Madagascar, 2011-2016. <i>Influenza and Other Respiratory Viruses</i> , 2018 , 13, 138	5.6	3
21	Enabling animal rabies diagnostic in low-access areas: Sensitivity and specificity of a molecular diagnostic test from cerebral tissue dried on filter paper. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0008116	4.8	2
20	Human Exposure to Hantaviruses Associated with Rodents of the Murinae Subfamily, Madagascar. <i>Emerging Infectious Diseases</i> , 2020 , 26, 587-590	10.2	2
19	Global circulation of respiratory viruses: from local observations to global predictions. <i>The Lancet Global Health</i> , 2019 , 7, e982-e983	13.6	2
18	Development of a New Internally Controlled One-Step Real-Time RT-PCR for the Molecular Detection of Enterovirus A71 in Africa and Madagascar. <i>Frontiers in Microbiology</i> , 2020 , 11, 1907	5.7	2
17	Correlating indoor and outdoor temperature and humidity in a sample of buildings in tropical climates. <i>Indoor Air</i> , 2021 , 31, 2281-2295	5.4	2
16	Can we do better? A guide to pandemics - some Dos and Don'ts for the next one. <i>Journal of Infection</i> , 2021 , 83, 119-145	18.9	2
15	Influenza surveillance capacity improvements in Africa during 2011-2017. <i>Influenza and Other Respiratory Viruses</i> , 2021 , 15, 495-505	5.6	2
14	The COVID-19 Epidemic in Madagascar: clinical description and laboratory results of the first wave, March-September 2020		2

13	Household transmission of COVID-19 among the earliest cases in Antananarivo, Madagascar. <i>Influenza and Other Respiratory Viruses</i> , 2021 ,	5.6	2
12	Molecular characterization of major histocompatibility complex class 1 (MHC-I) from squirrel monkeys (<i>Saimiri sciureus</i>). <i>Immunogenetics</i> , 2003 , 55, 633-9	3.2	1
11	Full Genome Sequences From Malagasy Fruit Bats Define a Unique Evolutionary History for This Coronavirus Clade.. <i>Frontiers in Public Health</i> , 2022 , 10, 786060	6	1
10	Cross-sectional cycle threshold values reflect epidemic dynamics of COVID-19 in Madagascar.. <i>Epidemics</i> , 2021 , 38, 100533	5.1	1
9	Monitoring for outbreak associated excess mortality in an African city: Detection limits in Antananarivo, Madagascar		1
8	Seroprevalence of pertussis in Madagascar and implications for vaccination. <i>Epidemiology and Infection</i> , 2020 , 148, e283	4.3	1
7	External quality assessment of Rift Valley fever diagnosis in countries at risk of the disease: African, Indian Ocean and Middle-East regions. <i>PLoS ONE</i> , 2021 , 16, e0251263	3.7	1
6	Cross-sectional cycle threshold values reflect epidemic dynamics of COVID-19 in Madagascar 2021 ,		1
5	Origin and evolutionary dynamics of Hepatitis B virus (HBV) genotype E in Madagascar. <i>Pathogens and Global Health</i> , 2017 , 111, 23-30	3.1	0
4	The Challenge of Achieving Immunity Through Multiple-Dose Vaccines in Madagascar. <i>American Journal of Epidemiology</i> , 2021 , 190, 2085-2093	3.8	0
3	Surveillance of Viral Encephalitis in the Context of COVID-19: A One-Year Observational Study among Hospitalized Patients in Dakar, Senegal. <i>Viruses</i> , 2022 , 14, 871	6.2	0
2	Epidemiology and Molecular Analyses of Influenza B Viruses in Senegal from 2010 to 2019. <i>Viruses</i> , 2022 , 14, 1063	6.2	0
1	Assessment of surveillance predictors for suspected respiratory syncytial virus, influenza and <i>Streptococcus pneumoniae</i> infections in children aged . <i>IJID Regions</i> , 2022 , 2, 82-89		