Leon Mutesa

List of Publications by Year
in descending order

75 papers	1,961 citations	331670 21 h-index	302126 39 g-index
78 all docs	78 docs citations	78 times ranked	2977 citing authors

#	Article	IF	Citations
1	Leukocyte methylomic imprints of exposure to the genocide against the Tutsi in Rwanda: a pilot epigenome-wide analysis. Epigenomics, 2022, 14, 11-25.	2.1	7
2	Possible Interactions between Malaria, Helminthiases and the Gut Microbiota: A Short Review. Microorganisms, 2022, 10, 721.	3.6	4
3	A genetic research story of giving back and returning to the country of a thousand hills. Nature Genetics, 2022, 54, 216-218.	21.4	0
4	A handmade trap for malaria mosquito surveillance by citizens in Rwanda. PLoS ONE, 2022, 17, e0266714.	2.5	4
5	Community-Based Control of Malaria Vectors Using Bacillus thuringiensis var. Israelensis (Bti) in Rwanda. International Journal of Environmental Research and Public Health, 2022, 19, 6699.	2.6	1
6	A pooled testing strategy for identifying SARS-CoV-2 at low prevalence. Nature, 2021, 589, 276-280.	27.8	161
7	Whole-Genome Analyses Identifies Multiple Reassortant Rotavirus Strains in Rwanda Post-Vaccine Introduction. Viruses, 2021, 13, 95.	3.3	11
8	Monitoring mosquito nuisance for the development of a citizen science approach for malaria vector surveillance in Rwanda. Malaria Journal, 2021, 20, 36.	2.3	8
9	One hundred thirty-three observed COVID-19 deaths in 10 months: unpacking lower than predicted mortality in Rwanda. BMJ Global Health, 2021, 6, e004547.	4.7	13
10	Differences in plasma microRNA content impair microRNA-based signature for breast cancer diagnosis in cohorts recruited from heterogeneous environmental sites. Scientific Reports, 2021, 11, 11698.	3.3	7
11	Vitamin D Levels in Motherâ€“Baby Pairs: A Cross-Sectional Prospective Study in a Rwandan Tertiary Hospital. Journal of Tropical Pediatrics, 2021, 67, .	1.5	0
12	Intergenerational trauma transmission is associated with brain metabotranscriptome remodeling and mitochondrial dysfunction. Communications Biology, 2021, 4, 783.	4.4	11
13	Association of Plasmodium falciparum kelch13 R561H genotypes with delayed parasite clearance in Rwanda: an open-label, single-arm, multicentre, therapeutic efficacy study. Lancet Infectious Diseases, The, 2021, 21, 1120-1128.	9.1	231
14	Genomic sequencing of SARS-CoV-2 in Rwanda reveals the importance of incoming travelers on lineage diversity. Nature Communications, 2021, 12, 5705.	12.8	24
15	African genetic diversity and adaptation inform a precision medicine agenda. Nature Reviews Genetics, 2021, 22, 284-306.	16.3	69
16	Intimate partner violence as a predictor of antenatal care services utilization in Rwanda. BMC Pregnancy and Childbirth, 2021, 21, 754.	2.4	10
17	Willingness to Contribute to Bio-Larviciding in the Fight against Malaria: A Contingent Valuation Study among Rice Farmers in Rwanda. International Journal of Environmental Research and Public Health, 2021, 18, 11575.	2.6	6
18	Citizen science for monitoring the spatial and temporal dynamics of malaria vectors in relation to environmental risk factors in Ruhuha, Rwanda. Malaria Journal, 2021, 20, 453.	2.3	10

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19	Experiences of seeking healthcare across the border: lessons to inform upstream policies and system developments on cross-border health in East Africa. BMJ Open, 2021, 11, e045575.	1.9	1
20	Mitochondrial DNA variation in Sub-Saharan Africa: Forensic data from a mixed West African sample, CÃ´te dâ€™Ivoire (Ivory Coast), and Rwanda. Forensic Science International: Genetics, 2020, 44, 102202.	3.1	4
21	Rubinsteinâ€“Taybi syndrome in diverse populations. American Journal of Medical Genetics, Part A, 2020, 182, 2939-2950.	1.2	16
22	Anogenital Human Papillomavirus and HIV Infection in Rwandan Men Who Have Sex With Men. Journal of Acquired Immune Deficiency Syndromes (1999), 2020, 84, 463-469.	2.1	9
23	Burden of post-traumatic stress disorder in postgenocide Rwandan population following exposure to 1994 genocide against the Tutsi: A meta-analysis. Journal of Affective Disorders, 2020, 275, 7-13.	4.1	13
24	Prevalence of Histological Characteristics of Breast Cancer in Rwanda in Relation to Age and Tumor Stages. Hormones and Cancer, 2020, 11, 240-249.	4.9	14
25	Whole genomeÂand in-silico analyses of G1P[8] rotavirus strains from pre- and post-vaccination periods in Rwanda. Scientific Reports, 2020, 10, 13460.	3.3	16
26	Why (not) participate in citizen science? Motivational factors and barriers to participate in a citizen science program for malaria control in Rwanda. PLoS ONE, 2020, 15, e0237396.	2.5	23
27	What do people benefit from a citizen science programme? Evidence from a Rwandan citizen science programme on malaria control. Malaria Journal, 2020, 19, 283.	2.3	13
28	Screening of germline mutations in young Rwandan patients with breast cancers. Molecular Genetics & Genomic Medicine, 2020, 8, e1500.	1.2	7
29	In Silico Design and Validation of OvMANE1, a Chimeric Antigen for Human Onchocerciasis Diagnosis. Pathogens, 2020, 9, 495.	2.8	8
30	Twelve-Year Trend in the Prevalence of High-Risk Human Papillomavirus Infection Among Rwandan Women Living With HIV. Journal of Infectious Diseases, 2020, 222, 74-81.	4.0	9
31	Building Skills and Resources for Genomics, Epigenetics, and Bioinformatics Research for Africa: Report of the Joint 11th Conference of the African Society of Human Genetics and 12th H3Africa Consortium, 2018. American Journal of Tropical Medicine and Hygiene, 2020, 102, 1417-1424.	1.4	7
32	Antenatal Care Visits and Adverse Pregnancy Outcomes at a Hospital in Rural Western Province, Rwanda. Acta Medica Okayama, 2020, 74, 495-503.	0.2	2
33	VPS51 biallelic variants cause microcephaly with brain malformations: A confirmatory report. European Journal of Medical Genetics, 2019, 62, 103704.	1.3	15
34	Identification and characterization of the Onchocerca volvulus Excretory Secretory Product Ov28CRP, a putative GM2 activator protein. PLoS Neglected Tropical Diseases, 2019, 13, e0007591.	3.0	10
35	Role of individual perceptions in the consistent use of malaria preventive measures: mixed methods evidence from rural Rwanda. Malaria Journal, 2019, 18, 270.	2.3	20
36	Social contexts as mediator of risk behaviors in Rwandan men who have sex with men (MSM): Implications for HIV and STI transmission. PLoS ONE, 2019, 14, e0211099.	2.5	23

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37	Co-Designing a Citizen Science Program for Malaria Control in Rwanda. Sustainability, 2019, 11, 7012.	3.2	11
38	Cornelia de Lange syndrome in diverse populations. American Journal of Medical Genetics, Part A, 2019, 179, 150-158.	1.2	40
39	CD4+ regulatory T cells and CD4+ activated T cells in new active and relapse tuberculosis. Cellular and Molecular Biology, 2019, 65, 18-22.	0.9	3
40	A case report of anterior cruciate ligament and posterolateral corner reconstruction using tendon graft preserved in situ. International Journal of Surgery Case Reports, 2018, 44, 42-46.	0.6	2
41	Fragile X checklists: A metaâ€analysis and development of a simplified universal clinical checklist. Molecular Genetics & Genomic Medicine, 2018, 6, 526-532.	1.2	15
42	Traumatic Stress Epigenetics. Current Behavioral Neuroscience Reports, 2018, 5, 81-93.	1.3	8
43	Qualitative analysis of the health system effects of a community-based malaria elimination program in Rwanda. Research and Reports in Tropical Medicine, 2018, Volume 9, 63-75.	1.4	4
44	Prediction and validation of the structural features of Ov58GPCR, an immunogenic determinant of Onchocerca volvulus. PLoS ONE, 2018, 13, e0202915.	2.5	7
45	Applying citizen science for malaria prevention in Rwanda: An integrated conceptual framework. Njas - Wageningen Journal of Life Sciences, 2018, 86-87, 111-122.	7.7	15
46	A citizen science approach for malaria mosquito surveillance and control in Rwanda. Njas - Wageningen Journal of Life Sciences, 2018, 86-87, 101-110.	7.7	20
47	22q11.2 deletion syndrome in diverse populations. American Journal of Medical Genetics, Part A, 2017, 173, 879-888.	1.2	103
48	Cover Image, Volume 173A, Number 4, April 2017. American Journal of Medical Genetics, Part A, 2017, 173, i.	1.2	0
49	Down syndrome in diverse populations. American Journal of Medical Genetics, Part A, 2017, 173, 42-53.	1.2	75
50	Cover Image, Volume 173A, Number 9, September 2017. American Journal of Medical Genetics, Part A, 2017, 173, i.	1.2	0
51	Noonan syndrome in diverse populations. American Journal of Medical Genetics, Part A, 2017, 173, 2323-2334.	1.2	68
52	Community-based biological control of malaria mosquitoes using Bacillus thuringiensis var. israelensis (Bti) in Rwanda: community awareness, acceptance and participation. Malaria Journal, 2017, 16, 399.	2.3	38
53	Using an intervention mapping approach for planning, implementing and assessing a community-led project towards malaria elimination in the Eastern Province of Rwanda. Malaria Journal, 2016, 15, 594.	2.3	16
54	Cytogenetic Studies of Rwandan Pediatric Patients Presenting with Global Developmental Delay, Intellectual Disability and/or Multiple Congenital Anomalies. Journal of Tropical Pediatrics, 2016, 62, 38-45.	1.5	5

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55	Molecular surveillance of Plasmodium falciparum drug resistance markers reveals partial recovery of chloroquine susceptibility but sustained sulfadoxine-pyrimethamine resistance at two sites of different malaria transmission intensities in Rwanda. Acta Tropica, 2016, 164, 329-336.	2.0	30
56	Determinants of prompt and adequate care among presumed malaria cases in a community in eastern Rwanda: a cross sectional study. Malaria Journal, 2016, 15, 227.	2.3	15
57	Malaria case clinical profiles and Plasmodium falciparum parasite genetic diversity: a cross sectional survey at two sites of different malaria transmission intensities in Rwanda. Malaria Journal, 2016, 15, 237.	2.3	23
58	Enabling Access to Medical and Health Education in Rwanda Using Mobile Technology: Needs Assessment for the Development of Mobile Medical Educator Apps. JMIR Medical Education, 2016, 2, e7.	2.6	30
59	Correlates of intimate partner violence against women during a time of rapid social transition in Rwanda: analysis of the 2005 and 2010 demographic and health surveys. BMC Women's Health, 2015, 15, 96.	2.0	31
60	Limb body wall complex, amniotic band sequence, or new syndrome caused by mutation in IQ Motif containing K (IQCK)?. Molecular Genetics & Genomic Medicine, 2015, 3, 424-432.	1.2	17
61	Long-lasting insecticidal net source, ownership and use in the context of universal coverage: a household survey in eastern Rwanda. Malaria Journal, 2015, 14, 390.	2.3	35
62	Malaria, anaemia and under-nutrition: three frequently co-existing conditions among preschool children in rural Rwanda. Malaria Journal, 2015, 14, 440.	2.3	54
63	Factors impeding the acceptability and use of malaria preventive measures: implications for malaria elimination in eastern Rwanda. Malaria Journal, 2015, 14, 136.	2.3	44
64	Hepatitis B and C seroprevalence among health care workers in a tertiary hospital in Rwanda. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2015, 109, 203-208.	1.8	38
65	Malaria parasite carriage and risk determinants in a rural population: a malariometric survey in Rwanda. Malaria Journal, 2015, 14, 16.	2.3	33
66	Pattern of congenital heart diseases in Rwandan children with genetic defects. Pan African Medical Journal, 2014, 19, 85.	0.8	7
67	Array-CGH analysis in Rwandan patients presenting development delay/intellectual disability with multiple congenital anomalies. BMC Medical Genetics, 2014, 15, 79.	2.1	11
68	Community mobilization for malaria elimination: application of an open space methodology in Ruhuha sector, Rwanda. Malaria Journal, 2014, 13, 167.	2.3	33
69	The Tutsi genocide and transgenerational transmission of maternal stress: epigenetics and biology of the HPA axis. World Journal of Biological Psychiatry, 2014, 15, 334-345.	2.6	258
70	A new 48, XXYY/47, XYY syndrome associated with multiple skeletal abnormalities, congenital heart disease and mental retardation. Indian Journal of Human Genetics, 2012, 18, 352.	0.7	5
71	Genetic Analysis of Rwandan Patients With Cystic Fibrosis-Like Symptoms. Chest, 2009, 135, 1233-1242.	0.8	31
72	Germline PTPN11 missense mutation in a case of Noonan syndrome associated with mediastinal and retroperitoneal neuroblastic tumors. Cancer Genetics and Cytogenetics, 2008, 182, 40-42.	1.0	27

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73	Molecular Analysis in Two Siblings African Patients with Severe Form of Hunter Syndrome: Identification of a Novel (p.Y54X) Nonsense Mutation. Journal of Tropical Pediatrics, 2007, 53, 434-437.	1.5	3
74	Transgenerational effects of the genocide against the Tutsi in Rwanda: A post-traumatic stress disorder symptom domain analysis. AAS Open Research, 0, 1, 10.	1.5	5
75	Transgenerational effects of the genocide against the Tutsi in Rwanda: A post-traumatic stress disorder symptom domain analysis. AAS Open Research, 0, 1, 10.	1.5	5