

Leon Mutesa

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

1,961
citations

331670

21
h-index

302126

39
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78
all docs

78
docs citations

78
times ranked

2977
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The Tutsi genocide and transgenerational transmission of maternal stress: epigenetics and biology of the HPA axis. <i>World Journal of Biological Psychiatry</i> , 2014, 15, 334-345. | 2.6 | 258 |
| 2 | Association of Plasmodium falciparum kelch13 R561H genotypes with delayed parasite clearance in Rwanda: an open-label, single-arm, multicentre, therapeutic efficacy study. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 1120-1128. | 9.1 | 231 |
| 3 | A pooled testing strategy for identifying SARS-CoV-2 at low prevalence. <i>Nature</i> , 2021, 589, 276-280. | 27.8 | 161 |
| 4 | 22q11.2 deletion syndrome in diverse populations. <i>American Journal of Medical Genetics, Part A</i> , 2017, 173, 879-888. | 1.2 | 103 |
| 5 | Down syndrome in diverse populations. <i>American Journal of Medical Genetics, Part A</i> , 2017, 173, 42-53. | 1.2 | 75 |
| 6 | African genetic diversity and adaptation inform a precision medicine agenda. <i>Nature Reviews Genetics</i> , 2021, 22, 284-306. | 16.3 | 69 |
| 7 | Noonan syndrome in diverse populations. <i>American Journal of Medical Genetics, Part A</i> , 2017, 173, 2323-2334. | 1.2 | 68 |
| 8 | Malaria, anaemia and under-nutrition: three frequently co-existing conditions among preschool children in rural Rwanda. <i>Malaria Journal</i> , 2015, 14, 440. | 2.3 | 54 |
| 9 | Factors impeding the acceptability and use of malaria preventive measures: implications for malaria elimination in eastern Rwanda. <i>Malaria Journal</i> , 2015, 14, 136. | 2.3 | 44 |
| 10 | Cornelia de Lange syndrome in diverse populations. <i>American Journal of Medical Genetics, Part A</i> , 2019, 179, 150-158. | 1.2 | 40 |
| 11 | Hepatitis B and C seroprevalence among health care workers in a tertiary hospital in Rwanda. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2015, 109, 203-208. | 1.8 | 38 |
| 12 | Community-based biological control of malaria mosquitoes using <i>Bacillus thuringiensis</i> var. israelensis (Bti) in Rwanda: community awareness, acceptance and participation. <i>Malaria Journal</i> , 2017, 16, 399. | 2.3 | 38 |
| 13 | Long-lasting insecticidal net source, ownership and use in the context of universal coverage: a household survey in eastern Rwanda. <i>Malaria Journal</i> , 2015, 14, 390. | 2.3 | 35 |
| 14 | Community mobilization for malaria elimination: application of an open space methodology in Ruhuha sector, Rwanda. <i>Malaria Journal</i> , 2014, 13, 167. | 2.3 | 33 |
| 15 | Malaria parasite carriage and risk determinants in a rural population: a malariometric survey in Rwanda. <i>Malaria Journal</i> , 2015, 14, 16. | 2.3 | 33 |
| 16 | Genetic Analysis of Rwandan Patients With Cystic Fibrosis-Like Symptoms. <i>Chest</i> , 2009, 135, 1233-1242. | 0.8 | 31 |
| 17 | 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. <i>BMC Women's Health</i> , 2015, 15, 96. | 2.0 | 31 |
| 18 | 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. <i>Acta Tropica</i> , 2016, 164, 329-336. | 2.0 | 30 |

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|----|--|------|-----------|
| 19 | Enabling Access to Medical and Health Education in Rwanda Using Mobile Technology: Needs Assessment for the Development of Mobile Medical Educator Apps. <i>JMIR Medical Education</i> , 2016, 2, e7. | 2.6 | 30 |
| 20 | Germline PTPN11 missense mutation in a case of Noonan syndrome associated with mediastinal and retroperitoneal neuroblastic tumors. <i>Cancer Genetics and Cytogenetics</i> , 2008, 182, 40-42. | 1.0 | 27 |
| 21 | Genomic sequencing of SARS-CoV-2 in Rwanda reveals the importance of incoming travelers on lineage diversity. <i>Nature Communications</i> , 2021, 12, 5705. | 12.8 | 24 |
| 22 | Malaria case clinical profiles and <i>Plasmodium falciparum</i> parasite genetic diversity: a cross sectional survey at two sites of different malaria transmission intensities in Rwanda. <i>Malaria Journal</i> , 2016, 15, 237. | 2.3 | 23 |
| 23 | Social contexts as mediator of risk behaviors in Rwandan men who have sex with men (MSM): Implications for HIV and STI transmission. <i>PLoS ONE</i> , 2019, 14, e0211099. | 2.5 | 23 |
| 24 | Why (not) participate in citizen science? Motivational factors and barriers to participate in a citizen science program for malaria control in Rwanda. <i>PLoS ONE</i> , 2020, 15, e0237396. | 2.5 | 23 |
| 25 | A citizen science approach for malaria mosquito surveillance and control in Rwanda. <i>Njas - Wageningen Journal of Life Sciences</i> , 2018, 86-87, 101-110. | 7.7 | 20 |
| 26 | Role of individual perceptions in the consistent use of malaria preventive measures: mixed methods evidence from rural Rwanda. <i>Malaria Journal</i> , 2019, 18, 270. | 2.3 | 20 |
| 27 | Limb body wall complex, amniotic band sequence, or new syndrome caused by mutation in <i>IQ Motif</i> containing <i>K</i> (<i>IQCK</i>)?. <i>Molecular Genetics & Genomic Medicine</i> , 2015, 3, 424-432. | 1.2 | 17 |
| 28 | Using an intervention mapping approach for planning, implementing and assessing a community-led project towards malaria elimination in the Eastern Province of Rwanda. <i>Malaria Journal</i> , 2016, 15, 594. | 2.3 | 16 |
| 29 | Rubinstein-Taybi syndrome in diverse populations. <i>American Journal of Medical Genetics, Part A</i> , 2020, 182, 2939-2950. | 1.2 | 16 |
| 30 | Whole genome and in-silico analyses of G1P[8] rotavirus strains from pre- and post-vaccination periods in Rwanda. <i>Scientific Reports</i> , 2020, 10, 13460. | 3.3 | 16 |
| 31 | Determinants of prompt and adequate care among presumed malaria cases in a community in eastern Rwanda: a cross sectional study. <i>Malaria Journal</i> , 2016, 15, 227. | 2.3 | 15 |
| 32 | Fragile X checklists: A meta-analysis and development of a simplified universal clinical checklist. <i>Molecular Genetics & Genomic Medicine</i> , 2018, 6, 526-532. | 1.2 | 15 |
| 33 | Applying citizen science for malaria prevention in Rwanda: An integrated conceptual framework. <i>Njas - Wageningen Journal of Life Sciences</i> , 2018, 86-87, 111-122. | 7.7 | 15 |
| 34 | VPS51 biallelic variants cause microcephaly with brain malformations: A confirmatory report. <i>European Journal of Medical Genetics</i> , 2019, 62, 103704. | 1.3 | 15 |
| 35 | Prevalence of Histological Characteristics of Breast Cancer in Rwanda in Relation to Age and Tumor Stages. <i>Hormones and Cancer</i> , 2020, 11, 240-249. | 4.9 | 14 |
| 36 | Burden of post-traumatic stress disorder in postgenocide Rwandan population following exposure to 1994 genocide against the Tutsi: A meta-analysis. <i>Journal of Affective Disorders</i> , 2020, 275, 7-13. | 4.1 | 13 |

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|----|--|-----|-----------|
| 37 | What do people benefit from a citizen science programme? Evidence from a Rwandan citizen science programme on malaria control. <i>Malaria Journal</i> , 2020, 19, 283. | 2.3 | 13 |
| 38 | One hundred thirty-three observed COVID-19 deaths in 10 months: unpacking lower than predicted mortality in Rwanda. <i>BMJ Global Health</i> , 2021, 6, e004547. | 4.7 | 13 |
| 39 | Array-CGH analysis in Rwandan patients presenting development delay/intellectual disability with multiple congenital anomalies. <i>BMC Medical Genetics</i> , 2014, 15, 79. | 2.1 | 11 |
| 40 | Co-Designing a Citizen Science Program for Malaria Control in Rwanda. <i>Sustainability</i> , 2019, 11, 7012. | 3.2 | 11 |
| 41 | Whole-Genome Analyses Identifies Multiple Reassortant Rotavirus Strains in Rwanda Post-Vaccine Introduction. <i>Viruses</i> , 2021, 13, 95. | 3.3 | 11 |
| 42 | Intergenerational trauma transmission is associated with brain metabolome remodeling and mitochondrial dysfunction. <i>Communications Biology</i> , 2021, 4, 783. | 4.4 | 11 |
| 43 | Identification and characterization of the <i>Onchocerca volvulus</i> Excretory Secretory Product Ov28CRP, a putative GM2 activator protein. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007591. | 3.0 | 10 |
| 44 | Intimate partner violence as a predictor of antenatal care services utilization in Rwanda. <i>BMC Pregnancy and Childbirth</i> , 2021, 21, 754. | 2.4 | 10 |
| 45 | Citizen science for monitoring the spatial and temporal dynamics of malaria vectors in relation to environmental risk factors in Ruhuha, Rwanda. <i>Malaria Journal</i> , 2021, 20, 453. | 2.3 | 10 |
| 46 | Anogenital Human Papillomavirus and HIV Infection in Rwandan Men Who Have Sex With Men. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2020, 84, 463-469. | 2.1 | 9 |
| 47 | Twelve-Year Trend in the Prevalence of High-Risk Human Papillomavirus Infection Among Rwandan Women Living With HIV. <i>Journal of Infectious Diseases</i> , 2020, 222, 74-81. | 4.0 | 9 |
| 48 | Traumatic Stress Epigenetics. <i>Current Behavioral Neuroscience Reports</i> , 2018, 5, 81-93. | 1.3 | 8 |
| 49 | In Silico Design and Validation of OvMANE1, a Chimeric Antigen for Human Onchocerciasis Diagnosis. <i>Pathogens</i> , 2020, 9, 495. | 2.8 | 8 |
| 50 | Monitoring mosquito nuisance for the development of a citizen science approach for malaria vector surveillance in Rwanda. <i>Malaria Journal</i> , 2021, 20, 36. | 2.3 | 8 |
| 51 | Pattern of congenital heart diseases in Rwandan children with genetic defects. <i>Pan African Medical Journal</i> , 2014, 19, 85. | 0.8 | 7 |
| 52 | Prediction and validation of the structural features of Ov58GPCR, an immunogenic determinant of <i>Onchocerca volvulus</i> . <i>PLoS ONE</i> , 2018, 13, e0202915. | 2.5 | 7 |
| 53 | Screening of germline mutations in young Rwandan patients with breast cancers. <i>Molecular Genetics & Genomic Medicine</i> , 2020, 8, e1500. | 1.2 | 7 |
| 54 | Differences in plasma microRNA content impair microRNA-based signature for breast cancer diagnosis in cohorts recruited from heterogeneous environmental sites. <i>Scientific Reports</i> , 2021, 11, 11698. | 3.3 | 7 |

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|----|--|-----|-----------|
| 55 | 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. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020, 102, 1417-1424. | 1.4 | 7 |
| 56 | Leukocyte methylomic imprints of exposure to the genocide against the Tutsi in Rwanda: a pilot epigenome-wide analysis. <i>Epigenomics</i> , 2022, 14, 11-25. | 2.1 | 7 |
| 57 | Willingness to Contribute to Bio-Larviciding in the Fight against Malaria: A Contingent Valuation Study among Rice Farmers in Rwanda. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 11575. | 2.6 | 6 |
| 58 | A new 48, XXYY/47, XYY syndrome associated with multiple skeletal abnormalities, congenital heart disease and mental retardation. <i>Indian Journal of Human Genetics</i> , 2012, 18, 352. | 0.7 | 5 |
| 59 | Cytogenetic Studies of Rwandan Pediatric Patients Presenting with Global Developmental Delay, Intellectual Disability and/or Multiple Congenital Anomalies. <i>Journal of Tropical Pediatrics</i> , 2016, 62, 38-45. | 1.5 | 5 |
| 60 | Transgenerational effects of the genocide against the Tutsi in Rwanda: A post-traumatic stress disorder symptom domain analysis. <i>AAS Open Research</i> , 0, 1, 10. | 1.5 | 5 |
| 61 | Transgenerational effects of the genocide against the Tutsi in Rwanda: A post-traumatic stress disorder symptom domain analysis. <i>AAS Open Research</i> , 0, 1, 10. | 1.5 | 5 |
| 62 | Qualitative analysis of the health system effects of a community-based malaria elimination program in Rwanda. <i>Research and Reports in Tropical Medicine</i> , 2018, Volume 9, 63-75. | 1.4 | 4 |
| 63 | Mitochondrial DNA variation in Sub-Saharan Africa: Forensic data from a mixed West African sample, Cote d'Ivoire (Ivory Coast), and Rwanda. <i>Forensic Science International: Genetics</i> , 2020, 44, 102202. | 3.1 | 4 |
| 64 | Possible Interactions between Malaria, Helminthiases and the Gut Microbiota: A Short Review. <i>Microorganisms</i> , 2022, 10, 721. | 3.6 | 4 |
| 65 | A handmade trap for malaria mosquito surveillance by citizens in Rwanda. <i>PLoS ONE</i> , 2022, 17, e0266714. | 2.5 | 4 |
| 66 | Molecular Analysis in Two Siblings African Patients with Severe Form of Hunter Syndrome: Identification of a Novel (p.Y54X) Nonsense Mutation. <i>Journal of Tropical Pediatrics</i> , 2007, 53, 434-437. | 1.5 | 3 |
| 67 | CD4+ regulatory T cells and CD4+ activated T cells in new active and relapse tuberculosis. <i>Cellular and Molecular Biology</i> , 2019, 65, 18-22. | 0.9 | 3 |
| 68 | A case report of anterior cruciate ligament and posterolateral corner reconstruction using tendon graft preserved in situ. <i>International Journal of Surgery Case Reports</i> , 2018, 44, 42-46. | 0.6 | 2 |
| 69 | Antenatal Care Visits and Adverse Pregnancy Outcomes at a Hospital in Rural Western Province, Rwanda. <i>Acta Medica Okayama</i> , 2020, 74, 495-503. | 0.2 | 2 |
| 70 | Experiences of seeking healthcare across the border: lessons to inform upstream policies and system developments on cross-border health in East Africa. <i>BMJ Open</i> , 2021, 11, e045575. | 1.9 | 1 |
| 71 | Community-Based Control of Malaria Vectors Using <i>Bacillus thuringiensis</i> var. <i>Israelensis</i> (Bti) in Rwanda. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 6699. | 2.6 | 1 |
| 72 | Cover Image, Volume 173A, Number 4, April 2017. <i>American Journal of Medical Genetics, Part A</i> , 2017, 173, i. | 1.2 | 0 |

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|----|--|------|-----------|
| 73 | Cover Image, Volume 173A, Number 9, September 2017. American Journal of Medical Genetics, Part A, 2017, 173, i. | 1.2 | 0 |
| 74 | 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 |
| 75 | 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 |