# Gerald Misinzo

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8056050/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 86 papers | 2,168 citations | 257429 24 h-index | 265191 42 g-index |
| 100 all docs | 100 docs citations | 100 times ranked | 2335 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Porcine reproductive and respiratory syndrome virus entry into the porcine macrophage. Journal of General Virology, 2010, 91, 1659-1667. | 2.9 | 177 |
| 2 | Correlation between the presence of neutralizing antibodies against porcine circovirus 2 (PCV2) and protection against replication of the virus and development of PCV2-associated disease. BMC Veterinary Research, 2006, 2, 6. | 1.9 | 141 |
| 3 | Porcine Circovirus 2 Uses Heparan Sulfate and Chondroitin Sulfate B Glycosaminoglycans as Receptors for Its Attachment to Host Cells. Journal of Virology, 2006, 80, 3487-3494. | 3.4 | 130 |
| 4 | Inhibition of Endosome-Lysosome System Acidification Enhances Porcine Circovirus 2 Infection of Porcine Epithelial Cells. Journal of Virology, 2008, 82, 1128-1135. | 3.4 | 91 |
| 5 | Binding and entry characteristics of porcine circovirus 2 in cells of the porcine monocytic line 3D4/31. Journal of General Virology, 2005, 86, 2057-2068. | 2.9 | 82 |
| 6 | Replication kinetics of different porcine circovirus 2 strains in PK-15 cells, fetal cardiomyocytes and macrophages. Archives of Virology, 2005, 150, 427-441. | 2.1 | 79 |
| 7 | Antigenic differences among porcine circovirus type 2 strains, as demonstrated by the use of monoclonal antibodies. Journal of General Virology, 2008, 89, 177-187. | 2.9 | 74 |
| 8 | Enhancement of Porcine Circovirus 2 Replication in Porcine Cell Lines by IFN-Î³ Before and After Treatment and by IFN-Î± After Treatment. Journal of Interferon and Cytokine Research, 2005, 25, 684-693. | 1.2 | 68 |
| 9 | The Risk of Dengue Virus Transmission in Dar es Salaam, Tanzania during an Epidemic Period of 2014. PLoS Neglected Tropical Diseases, 2016, 10, e0004313. | 3.0 | 64 |
| 10 | Human, Animal and Plant Health Benefits of Glucosinolates and Strategies for Enhanced Bioactivity: A Systematic Review. Molecules, 2020, 25, 3682. | 3.8 | 57 |
| 11 | Historical environmental change in Africa drives divergence and admixture of Aedes aegypti mosquitoes: a precursor to successful worldwide colonization?. Molecular Ecology, 2016, 25, 4337-4354. | 3.9 | 52 |
| 12 | Porcine circovirus 2 infection of epithelial cells is clathrin-, caveolae- and dynamin-independent, actin and Rho-GTPase-mediated, and enhanced by cholesterol depletion. Virus Research, 2009, 139, 1-9. | 2.2 | 47 |
| 13 | Climate Change Influences Potential Distribution of Infected Aedes aegypti Co-Occurrence with Dengue Epidemics Risk Areas in Tanzania. PLoS ONE, 2016, 11, e0162649. | 2.5 | 46 |
| 14 | Cell tropism and entry of porcine circovirus 2. Virus Research, 2012, 164, 43-45. | 2.2 | 43 |
| 15 | Forty-two years of responding to Ebola virus outbreaks in Sub-Saharan Africa: a review. BMJ Global Health, 2020, 5, e001955. | 4.7 | 43 |
| 16 | Mitigating lockdown challenges in response to COVID-19 in Sub-Saharan Africa. International Journal of Infectious Diseases, 2020, 96, 308-310. | 3.3 | 40 |
| 17 | Genetic Characterization of African Swine Fever Viruses from a 2008 Outbreak in Tanzania. Transboundary and Emerging Diseases, 2011, 58, 86-92. | 3.0 | 36 |
| 18 | Co-circulation of multiple genotypes of African swine fever viruses among domestic pigs in Zambia (2013-2015). Transboundary and Emerging Diseases, 2018, 65, 114-122. | 3.0 | 36 |

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|---|---|---|---|
| 19 | Molecular characterization of African swine fever virus from domestic pigs in northern Tanzania during an outbreak in 2013. Tropical Animal Health and Production, 2014, 46, 1199-1207. | 1.4 | 30 |
| 20 | Partial Genetic Characterization of Peste Des Petits Ruminants Virus from Goats in Northern and Eastern Tanzania. Transboundary and Emerging Diseases, 2014, 61, 56-62. | 3.0 | 30 |
| 21 | African Swine Fever Virus, Tanzania, 2010â€“2012. Emerging Infectious Diseases, 2012, 18, 2081-2083. | 4.3 | 29 |
| 22 | Epidemiological investigation into the introduction and factors for spread of Peste des Petits Ruminants, southern Tanzania. Onderstepoort Journal of Veterinary Research, 2012, 79, 457. | 1.2 | 29 |
| 23 | Increased porcine circovirus type 2 replication in porcine leukocytes in vitro and in vivo by concanavalin A stimulation. Veterinary Microbiology, 2008, 132, 74-86. | 1.9 | 27 |
| 24 | Dengue Virus Infection and Associated Risk Factors in Africa: A Systematic Review and Meta-Analysis. Viruses, 2021, 13, 536. | 3.3 | 27 |
| 25 | Genetic diversity and risk factors for the transmission of antimicrobial resistance across human, animals and environmental compartments in East Africa: a review. Antimicrobial Resistance and Infection Control, 2020, 9, 127. | 4.1 | 26 |
| 26 | Drivers, Risk Factors and Dynamics of African Swine Fever Outbreaks, Southern Highlands, Tanzania. Pathogens, 2020, 9, 155. | 2.8 | 25 |
| 27 | A study of Rift Valley fever virus in Morogoro and Arusha regions of Tanzania â€“ serology and farmersâ€™ perceptions. Infection Ecology and Epidemiology, 2015, 5, 30025. | 0.8 | 24 |
| 28 | History and current status of peste des petits ruminants virus in Tanzania. Infection Ecology and Epidemiology, 2016, 6, 32701. | 0.8 | 24 |
| 29 | Mosquito-borne viral diseases in the Democratic Republic of the Congo: a review. Parasites and Vectors, 2020, 13, 103. | 2.5 | 23 |
| 30 | Seroprevalence and risk factors for peste des petits ruminants and selected differential diagnosis in sheep and goats in Tanzania. Infection Ecology and Epidemiology, 2017, 7, 1368336. | 0.8 | 22 |
| 31 | Variation in Phenolic Compounds and Antioxidant Activity of Various Organs of African Cabbage (Cleome gynandra L.) Accessions at Different Growth Stages. Antioxidants, 2021, 10, 1952. | 5.1 | 22 |
| 32 | Multidrug-Resistant, Including Extended-Spectrum Beta Lactamase-Producing and Quinolone-Resistant, Escherichia coli Isolated from Poultry and Domestic Pigs in Dar es Salaam, Tanzania. Antibiotics, 2021, 10, 406. | 3.7 | 21 |
| 33 | Involvement of proteases in porcine reproductive and respiratory syndrome virus uncoating upon internalization in primary macrophages. Veterinary Research, 2008, 39, 55. | 3.0 | 21 |
| 34 | Increased yield of porcine circovirus-2 by a combined treatment of PK-15 cells with interferon-gamma and inhibitors of endosomal-lysosomal system acidification. Archives of Virology, 2008, 153, 337-342. | 2.1 | 19 |
| 35 | Preliminary investigation on presence of peste des petits ruminants in Dakawa, Mvomero district, Morogoro region, Tanzania. Onderstepoort Journal of Veterinary Research, 2014, 81, E1-3. | 1.2 | 19 |
| 36 | Mosquito-borne viruses circulating in Kinshasa, Democratic Republic of the Congo. International Journal of Infectious Diseases, 2017, 57, 32-37. | 3.3 | 19 |

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|---|---|---|---|
| 37 | African Swine Fever Virus Circulation between Tanzania and Neighboring Countries: A Systematic Review and Meta-Analysis. Viruses, 2021, 13, 306. | 3.3 | 19 |
| 38 | Persistent domestic circulation of African swine fever virus in Tanzania, 2015â€“2017. BMC Veterinary Research, 2020, 16, 369. | 1.9 | 17 |
| 39 | Exposure to Salinity and Light Spectra Regulates Glucosinolates, Phenolics, and Antioxidant Capacity of Brassica carinata L. Microgreens. Antioxidants, 2021, 10, 1183. | 5.1 | 17 |
| 40 | Development of a One Health National Capacity in Africa. Current Topics in Microbiology and Immunology, 2012, 366, 73-91. | 1.1 | 17 |
| 41 | Detection of peste des petits ruminants and concurrent secondary diseases in sheep and goats in Ngorongoro district, Tanzania. Comparative Clinical Pathology, 2019, 28, 755-759. | 0.7 | 16 |
| 42 | Peste des Petits Ruminants Virus Infection at the Wildlifeâ€“Livestock Interface in the Greater Serengeti Ecosystem, 2015â€“2019. Viruses, 2021, 13, 838. | 3.3 | 16 |
| 43 | Occurrence of Multi-Drug-Resistant Escherichia coli in Chickens, Humans, Rodents and Household Soil in Karatu, Northern Tanzania. Antibiotics, 2021, 10, 1137. | 3.7 | 16 |
| 44 | Seroprevalence and associated risk factors of chikungunya, dengue, and Zika in eight districts in Tanzania. International Journal of Infectious Diseases, 2021, 111, 271-280. | 3.3 | 16 |
| 45 | Genetic Analysis of African Swine Fever Virus From the 2018 Outbreak in South-Eastern Burundi. Frontiers in Veterinary Science, 2020, 7, 578474. | 2.2 | 15 |
| 46 | Evidence of chikungunya virus infection among febrile patients seeking healthcare in selected districts of Tanzania. Infection Ecology and Epidemiology, 2018, 8, 1553460. | 0.8 | 13 |
| 47 | Prevalence of asymptomatic malaria, submicroscopic parasitaemia and anaemia in Korogwe District, north-eastern Tanzania. Malaria Journal, 2021, 20, 424. | 2.3 | 13 |
| 48 | Diagnosis and genotyping of African swine fever viruses from 2015 outbreaks in Zambia. Onderstepoort Journal of Veterinary Research, 2016, 83, a1095. | 1.2 | 12 |
| 49 | Seroprevalence and associated risk factors of selected zoonotic viral hemorrhagic fevers in Tanzania. International Journal of Infectious Diseases, 2021, 109, 174-181. | 3.3 | 12 |
| 50 | Efficacy of an Inactivated PRRSV Vaccine: Induction of Virus-Neutralizing Antibodies and Partial Virological Protection upon Challenge. Advances in Experimental Medicine and Biology, 2006, 581, 449-454. | 1.6 | 12 |
| 51 | Paradigm shift in the diagnosis of peste des petits ruminants: scoping review. Acta Veterinaria Scandinavica, 2020, 62, 7. | 1.6 | 12 |
| 52 | Complete genome analysis of African swine fever virus responsible for outbreaks in domestic pigs in 2018 in Burundi and 2019 in Malawi. Tropical Animal Health and Production, 2021, 53, 438. | 1.4 | 11 |
| 53 | Molecular Differentiation of the African Yellow Fever Vector Aedes bromeliae (Diptera: Culicidae) from Its Sympatric Non-vector Sister Species, Aedes lilii. PLoS Neglected Tropical Diseases, 2015, 9, e0004250. | 3.0 | 10 |
| 54 | Occurrence of Multidrug-Resistant Staphylococcus aureus among Humans, Rodents, Chickens, and Household Soils in Karatu, Northern Tanzania. International Journal of Environmental Research and Public Health, 2021, 18, 8496. | 2.6 | 10 |

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|---|---|---|---|
| 55 | Human leptospirosis in Tanzania: sequencing and phylogenetic analysis confirm that pathogenic Leptospira species circulate among agro-pastoralists living in Katavi-Rukwa ecosystem. BMC Infectious Diseases, 2016, 16, 273. | 2.9 | 9 |
| 56 | Genetic profile of African swine fever virus responsible for the 2019 outbreak in northern Malawi. BMC Veterinary Research, 2020, 16, 316. | 1.9 | 9 |
| 57 | Circulation of dengue serotype 1 viruses during the 2019 outbreak in Dar es Salaam, Tanzania. Pathogens and Global Health, 2021, 115, 1-9. | 2.3 | 8 |
| 58 | Batrachochytrium dendrobatidis detected in Kihansi spray toads at a captive breeding facility (Kihansi,) Tj ETQq0 0 0 rgBT /Overlock 10 T | 1.0 | 8 |
| 59 | Aedes aegypti abundance, larval indices and risk for dengue virus transmission in Kinondoni district, Tanzania. Tropical Medicine and Health, 2022, 50, 1. | 2.8 | 8 |
| 60 | Morphological and molecular detection of canine dirofilarial species of veterinary and medical importance in Morogoro municipality, Tanzania. Veterinary Parasitology, 2016, 220, 1-3. | 1.8 | 7 |
| 61 | Molecular epidemiological investigations of plague in Eastern Province of Zambia. BMC Microbiology, 2018, 18, 2. | 3.3 | 7 |
| 62 | Disease driven extinction in the wild of the Kihansi spray toad, Nectophrynoides asperginis. African Journal of Herpetology, 2020, 69, 151-164. | 0.9 | 7 |
| 63 | Serological evidence of chikungunya and malaria co-infection among febrile patients seeking health care in Karagwe district, Tanzania. Tanzania Journal of Health Research, 2018, 20, . | 0.2 | 7 |
| 64 | Viral haemorrhagic fevers and malaria co-infections among febrile patients seeking health care in Tanzania. Infectious Diseases of Poverty, 2022, 11, 33. | 3.7 | 7 |
| 65 | Rotavirus Burden, Genetic Diversity and Impact of Vaccine in Children under Five in Tanzania. Pathogens, 2019, 8, 210. | 2.8 | 6 |
| 66 | An assessment of the epidemiology and socioeconomic impact of the 2019 African swine fever outbreak in Ngara district, western Tanzania. Veterinary and Animal Science, 2021, 14, 100198. | 1.5 | 6 |
| 67 | Field-Adapted Full Genome Sequencing of Peste-Des-Petits-Ruminants Virus Using Nanopore Sequencing. Frontiers in Veterinary Science, 2020, 7, 542724. | 2.2 | 5 |
| 68 | Socio-Ecological Systems Analysis and Health System Readiness in Responding to Dengue Epidemics in Ilala and Kinondoni Districts, Tanzania. Frontiers in Tropical Diseases, 2021, 2, . | 1.4 | 5 |
| 69 | Complete Genome Sequencing of Field Isolates of Peste des Petits Ruminants Virus from Tanzania Revealed a High Nucleotide Identity with Lineage III PPR Viruses. Animals, 2021, 11, 2976. | 2.3 | 5 |
| 70 | Estimating Risk of Introduction of Ebola Virus Disease from the Democratic Republic of Congo to Tanzania: A Qualitative Assessment. Epidemiologia, 2022, 3, 68-80. | 2.2 | 5 |
| 71 | Molecular Epidemiology of Antibiotic Resistance Genes and Virulence Factors in Multidrug-Resistant Escherichia coli Isolated from Rodents, Humans, Chicken, and Household Soils in Karatu, Northern Tanzania. International Journal of Environmental Research and Public Health, 2022, 19, 5388. | 2.6 | 5 |
| 72 | Rift Valley fever seropositivity in humans and domestic ruminants and associated risk factors in Sengerema, Ilala, and Rufiji districts, Tanzania. International Journal of Infectious Diseases, 2022, 122, 559-565. | 3.3 | 5 |

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|---|---|---|---|
| 73 | Current Epidemiological Assessment of Bancroftian Filariasis in Tanga Region, Northeastern Tanzania. Journal of Tropical Medicine, 2016, 2016, 1-5. | 1.7 | 4 |
| 74 | Rift Valley fever virus in small ruminants in the Democratic Republic of the Congo. Onderstepoort Journal of Veterinary Research, 2019, 86, e1-e5. | 1.2 | 4 |
| 75 | Filter paper is a simple and cost-effective transport medium for serological diagnosis of Peste des petits ruminants. Small Ruminant Research, 2019, 170, 154-159. | 1.2 | 4 |
| 76 | Review of Peste des Petits Ruminants Occurrence and Spread in Tanzania. Animals, 2021, 11, 1698. | 2.3 | 4 |
| 77 | Development of Nanobodies Targeting Peste des Petits Ruminants Virus: The Prospect in Disease Diagnosis and Therapy. Animals, 2021, 11, 2206. | 2.3 | 4 |
| 78 | Comparative phylogeography of Aedes mosquitoes and the role of past climatic change for evolution within Africa. Ecology and Evolution, 2018, 8, 3019-3036. | 1.9 | 3 |
| 79 | Analysis of Mutation Rate of 17 Y-Chromosome Short Tandem Repeats Loci Using Tanzanian Father-Son Paired Samples. Genetics Research International, 2018, 2018, 1-5. | 2.0 | 3 |
| 80 | A Comparative study of the Sero-prevalence of Peste Des Petits Ruminants Virus among Districts of Different Agro-Ecological Zones in Tanzania. East African Journal of Science Technology and Innovation, 2020, 1, . | 0.1 | 3 |
| 81 | Physicochemical Characteristics of Aedes Mosquito Breeding Habitats in Suburban and Urban Areas of Kinshasa, Democratic Republic of the Congo. Frontiers in Tropical Diseases, 2022, 2, . | 1.4 | 3 |
| 82 | DNA-Detection Based Diagnostics for Taenia solium Cysticercosis in Porcine. Journal of Parasitology Research, 2020, 2020, 1-7. | 1.2 | 2 |
| 83 | Nucleotide amplification and sequencing of the GC-rich region between matrix and fusion protein genes of peste des petits ruminants virus. Journal of Virological Methods, 2022, 300, 114390. | 2.1 | 2 |
| 84 | Crossing the Line: Seroprevalence and Risk Factors for Transboundary Animal Diseases Along the Tanzania-Zambia Border. Frontiers in Veterinary Science, 2022, 9, 809128. | 2.2 | 2 |
| 85 | Modified netting technique for capturing gazelles in Serengeti, Ngorongoro and Loliondo, Tanzania. African Journal of Ecology, 2021, 59, 152-158. | 0.9 | 1 |
| 86 | Maize production systems, farmersâ€™ perception and current status of maize lethal necrosis in selected counties in Kenya. International Journal of Transgender Health, 2022, 15, 692-705. | 2.3 | 1 |