Gert U Van Zyl

List of Publications by Year
in descending order

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88 papers	3,960 citations	186209 28 h-index	143943 57 g-index
93 all docs	93 docs citations	93 times ranked	7798 citing authors

#	Article	IF	Citations
1	Prevalence and patterns of HIV drug resistance in patients with suspected virological failure in North-Western Tanzania. Journal of Antimicrobial Chemotherapy, 2022, 77, 483-491.	1.3	8
2	Drug Resistance, Rather than Low Tenofovir Levels in Blood or Urine, Is Associated with Tenofovir, Emtricitabine, and Efavirenz Failure in Resource-Limited Settings. AIDS Research and Human Retroviruses, 2022, 38, 455-462.	0.5	13
3	Routine use of fluoroscopic and realâ€time transthoracic echocardiographic guidance to ensure safety of right ventricular endomyocardial biopsy in a lowâ€volume center. Catheterization and Cardiovascular Interventions, 2022, 99, 1563-1571.	0.7	2
4	Fatal SARSâ€CoVâ€2 Omicron variant in a young infant: Autopsy findings. Pediatric Pulmonology, 2022, 57, 1363-1365.	1.0	11
5	Delays in HIV-1 infant polymerase chain reaction testing may leave children without confirmed diagnoses in the Western Cape province, South Africa. African Journal of Laboratory Medicine, 2022, 11, .	0.2	0
6	HIV drug resistance in a communityâ€randomized trial of universal testing and treatment: HPTN 071 (PopART). Journal of the International AIDS Society, 2022, 25, .	1.2	3
7	HIV drug resistance in various body compartments. Current Opinion in HIV and AIDS, 2022, 17, 205-212.	1.5	2
8	HIV false positive screening serology due to sample contamination reduced by a dedicated sample and platform in a high prevalence environment. PLoS ONE, 2021, 16, e0245189.	1.1	1
9	Sixteen novel lineages of SARS-CoV-2 in South Africa. Nature Medicine, 2021, 27, 440-446.	15.2	326
10	Detection of a SARS-CoV-2 variant of concern in South Africa. Nature, 2021, 592, 438-443.	13.7	1,381
11	Viral suppression is associated with HIV-antibody level and HIV-1 DNA detectability in early treated children at 2â€Šyears of age. Aids, 2021, 35, 1247-1252.	1.0	6
12	Early Emergence and Long-Term Persistence of HIV-Infected T-Cell Clones in Children. MBio, 2021, 12, .	1.8	7
13	Virologic efficacy of tenofovir, lamivudine and dolutegravir as second-line antiretroviral therapy in adults failing a tenofovir-based first-line regimen. Aids, 2021, 35, 1423-1432.	1.0	31
14	HIVIntact: a python-based tool for HIV-1 genome intactness inference. Retrovirology, 2021, 18, 16.	0.9	3
15	HIV-1 Persistence in Children during Suppressive ART. Viruses, 2021, 13, 1134.	1.5	6
16	Comparing mutational pathways to lopinavir resistance in HIV-1 subtypes B versus C. PLoS Computational Biology, 2021, 17, e1008363.	1.5	2
17	NanoHIV: A Bioinformatics Pipeline for Producing Accurate, Near Full-Length HIV Proviral Genomes Sequenced Using the Oxford Nanopore Technology. Cells, 2021, 10, 2577.	1.8	7
18	Novel Criteria for Diagnosing Acute and Early Human Immunodeficiency Virus Infection in a Multinational Study of Early Antiretroviral Therapy Initiation. Clinical Infectious Diseases, 2021, 73, e643-e651.	2.9	5

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19	A year of genomic surveillance reveals how the SARS-CoV-2 pandemic unfolded in Africa. Science, 2021, 374, 423-431.	6.0	144
20	A genomics network established to respond rapidly to public health threats in South Africa. Lancet Microbe, The, 2020, 1, e229-e230.	3.4	46
21	High positive HIV serology results can still be false positive. IDCases, 2020, 21, e00849.	0.4	6
22	Intact HIV Proviruses Persist in Children Seven to Nine Years after Initiation of Antiretroviral Therapy in the First Year of Life. Journal of Virology, 2020, 94, .	1.5	22
23	Pooled testing: A tool to increase efficiency of infant HIV diagnosis and virological monitoring. African Journal of Laboratory Medicine, 2020, 9, 1035.	0.2	4
24	Seroprevalence of Toxoplasma gondii infection among pregnant women in Windhoek, Namibia, in 2016. Southern African Journal of Infectious Diseases, 2020, 35, 25.	0.3	3
25	Intrapartum human immunodeficiency virus transmission rate in a central hospital in the Western Cape province after universal antiretroviral therapy roll-out. Southern African Journal of Infectious Diseases, 2020, 35, 192.	0.3	0
26	<scp>HIV</scp>â€1 <scp>DNA</scp> decay is faster in children who initiate <scp>ART</scp> shortly after birth than later. Journal of the International AIDS Society, 2019, 22, e25368.	1.2	20
27	What Should We Do When HIV-positive Children Fail First-line Combination Antiretroviral Therapy? A Comparison of 4 ART Management Strategies. Pediatric Infectious Disease Journal, 2019, 38, 400-405.	1.1	4
28	Lessons in diagnostic virology: expected and unexpected sources of error. Reviews in Medical Virology, 2019, 29, e2052.	3.9	23
29	PhyloPi: An affordable, purpose built phylogenetic pipeline for the HIV drug resistance testing facility. PLoS ONE, 2019, 14, e0213241.	1.1	1
30	Pooled PCR testing of dried blood spots for infant HIV diagnosis is cost efficient and accurate. BMC Infectious Diseases, 2019, 19, 136.	1.3	7
31	The effect of interventions on the transmission and spread of HIV in South Africa: a phylodynamic analysis. Scientific Reports, 2019, 9, 2640.	1.6	9
32	A Clinical Prediction Rule for Protease Inhibitor Resistance in Patients Failing Second-Line Antiretroviral Therapy. Journal of Acquired Immune Deficiency Syndromes (1999), 2019, 80, 325-329.	0.9	9
33	Pharmacogenetics and pharmacokinetics of CNS penetration of efavirenz and its metabolites. Journal of Antimicrobial Chemotherapy, 2019, 74, 699-709.	1.3	13
34	Assessment of HIV transfusion transmission risk in South Africa: a 10â€year analysis following implementation of individual donation nucleic acid amplification technology testing and donor demographics eligibility changes. Transfusion, 2019, 59, 267-276.	0.8	40
35	Neurodevelopment at 11 months after starting antiretroviral therapy within 3 weeks of life. Southern African Journal of HIV Medicine, 2019, 20, 1008.	0.3	6
36	Rapid emergence of resistance to antiretroviral treatment after undisclosed prior exposure: A case report. Southern African Journal of HIV Medicine, 2019, 20, 965.	0.3	0

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37	Rapid decline of HIV-1 DNA and RNA in infants starting very early antiretroviral therapy may pose a diagnostic challenge. Aids, 2018, 32, 629-634.	1.0	23
38	HIV evolution and diversity in ART-treated patients. Retrovirology, 2018, 15, 14.	0.9	49
39	Paper-based detection of HIV-1 drug resistance using isothermal amplification and an oligonucleotide ligation assay. Analytical Biochemistry, 2018, 544, 64-71.	1.1	21
40	HIV-1 RNA testing of pooled dried blood spots is feasible to diagnose acute HIV infection in resource limited settings. Southern African Journal of Infectious Diseases, 2018, 33, 50-53.	0.3	1
41	Southern African HIV Clinicians Society Guidance on the use of dolutegravir in first-line antiretroviral therapy. Southern African Journal of HIV Medicine, 2018, 19, 917.	0.3	6
42	HIV-1 RNA testing of pooled dried blood spots is feasible to diagnose acute HIV infection in resource limited settings. Southern African Journal of Infectious Diseases, 2018, 33, 50-53.	0.3	0
43	Appropriate clinical use of darunavir 800 mg. Southern African Journal of HIV Medicine, 2018, 19, 918.	0.3	1
44	Mutational Correlates of Virological Failure in Individuals Receiving a WHO-Recommended Tenofovir-Containing First-Line Regimen: An International Collaboration. EBioMedicine, 2017, 18, 225-235.	2.7	28
45	Barriers to HIV remission research in lowâ€•and middleâ€•income countries. Journal of the International AIDS Society, 2017, 20, 21521.	1.2	16
46	Moderate levels of preantiretroviral therapy drug resistance in a generalized epidemic. Aids, 2017, 31, 2387-2391.	1.0	6
47	Future technologies for monitoring HIV drug resistance and cure. Current Opinion in HIV and AIDS, 2017, 12, 182-189.	1.5	45
48	Late-Onset Hiv Encephalopathy In Children With Long-Standing Virologic Suppression Followed By Slow Spontaneous Recovery Despite no Change In Antiretroviral Therapy. Pediatric Infectious Disease Journal, 2017, 36, e264-e267.	1.1	3
49	HIV-1 antiretroviral drug resistance patterns in patients failing NNRTI-based treatment: results from a national survey in South Africa. Journal of Antimicrobial Chemotherapy, 2017, 72, 210-219.	1.3	37
50	No evidence of HIV replication in children on antiretroviral therapy. Journal of Clinical Investigation, 2017, 127, 3827-3834.	3.9	66
51	Collaborative update of a rule-based expert system for HIV-1 genotypic resistance test interpretation. PLoS ONE, 2017, 12, e0181357.	1.1	31
52	Adult antiretroviral therapy guidelines 2017. Southern African Journal of HIV Medicine, 2017, 18, 776.	0.3	155
53	<scp>CD</scp>4 countâ€based failure criteria combined with viral load monitoring may trigger worse switch decisions than viral load monitoring alone. Tropical Medicine and International Health, 2016, 21, 219-223.	1.0	8
54	Is HIV-1C a risk factor for protease inhibitor failure?. Lancet HIV,the, 2016, 3, e149-e151.	2.1	1

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55	Prevalence of Antiretroviral Drug Resistance in Patients Who Are Not Responding to Protease Inhibitorâ€"Based Treatment: Results From the First National Survey in South Africa. Journal of Infectious Diseases, 2016, 214, 1826-1830.	1.9	25
56	Mutational Heterogeneity in p6 Gag Late Assembly (L) Domains in HIV-1 Subtype C Viruses from South Africa. AIDS Research and Human Retroviruses, 2016, 32, 80-84.	0.5	15
57	Moderate Levels of Pre-Treatment HIV-1 Antiretroviral Drug Resistance Detected in the First South African National Survey. PLoS ONE, 2016, 11, e0166305.	1.1	40
58	Virologic Failure Among Children Taking Lopinavir/Ritonavir-containing First-line Antiretroviral Therapy in South Africa. Pediatric Infectious Disease Journal, 2015, 34, 175-179.	1.1	20
59	Early Antiretroviral Therapy in South African Children Reduces HIV-1-Infected Cells and Cell-Associated HIV-1 RNA in Blood Mononuclear Cells. Journal of Infectious Diseases, 2015, 212, 39-43.	1.9	53
60	Next generation sequencing improves detection of drug resistance mutations in infants after PMTCT failure. Journal of Clinical Virology, 2015, 62, 48-53.	1.6	36
61	HIV-1 Drug Resistance Mutations: Potential Applications for Point-of-Care Genotypic Resistance Testing. PLoS ONE, 2015, 10, e0145772.	1.1	72
62	Southern African Treatment Resistance Network (SATuRN) RegaDB HIV drug resistance and clinical management database: supporting patient management, surveillance and research in southern Africa. Database: the Journal of Biological Databases and Curation, 2014, 2014, bat082-bat082.	1.4	7
63	Emerging antiretroviral drug resistance in sub-Saharan Africa. Aids, 2014, 28, 2643-2648.	1.0	5
64	Irreproducible positive results on the Cobas AmpliPrep/Cobas TaqMan HIV-1 Qual test are different qualitatively from confirmed positive results. Journal of Medical Virology, 2014, 86, 82-87.	2.5	19
65	A qualitative PCR minipool strategy to screen for virologic failure and antiretroviral drug resistance in South African patients on first-line antiretroviral therapy. Journal of Clinical Virology, 2014, 60, 387-391.	1.6	9
66	Emergence of HIV Drug Resistance During First- and Second-Line Antiretroviral Therapy in Resource-Limited Settings. Journal of Infectious Diseases, 2013, 207, S49-S56.	1.9	117
67	Nucleoside Reverse Transcriptase Inhibitor Resistance Mutations Associated with First-Line Stavudine-Containing Antiretroviral Therapy: Programmatic Implications for Countries Phasing Out Stavudine. Journal of Infectious Diseases, 2013, 207, S70-S77.	1.9	30
68	Trends in Genotypic HIV-1 Antiretroviral Resistance between 2006 and 2012 in South African Patients Receiving First- and Second-Line Antiretroviral Treatment Regimens. PLoS ONE, 2013, 8, e67188.	1.1	59
69	Establishing diagnostic cut-off criteria for the COBAS AmpliPrep/COBAS TaqMan HIV-1 Qualitative test through validation against the Amplicor DNA test v1.5 for infant diagnosis using dried blood spots. Journal of Clinical Virology, 2012, 53, 106-109.	1.6	31
70	Deep Sequencing Reveals Minor Protease Resistance Mutations in Patients Failing a Protease Inhibitor Regimen. Journal of Virology, 2012, 86, 6231-6237.	1.5	63
71	HIV Drug Resistance (HIVDR) in Antiretroviral Therapy-NaÃ¯ve Patients in Tanzania Not Eligible for WHO Threshold HIVDR Survey Is Dramatically High. PLoS ONE, 2011, 6, e23091.	1.1	43
72	Low Lopinavir Plasma or Hair Concentrations Explain Second-Line Protease Inhibitor Failures in a Resource-Limited Setting. Journal of Acquired Immune Deficiency Syndromes (1999), 2011, 56, 333-339.	0.9	101

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73	It is time to consider thirdâ€line options in antiretroviralâ€experienced paediatric patients?. Journal of the International AIDS Society, 2011, 14, 55-55.	1.2	15
74	Antiretroviral resistance patterns and factors associated with resistance in adult patients failing NNRTIâ€based regimens in the western cape, South Africa. Journal of Medical Virology, 2011, 83, 1764-1769.	2.5	34
75	Acute Extrapyramidal Dysfunction in Two HIV-infected Children. Journal of Tropical Pediatrics, 2011, 57, 227-231.	0.7	6
76	Pooling Strategies to Reduce the Cost of HIV-1 RNA Load Monitoring in a Resource-Limited Setting. Clinical Infectious Diseases, 2011, 52, 264-270.	2.9	52
77	HIV Treatment Adherence, Drug Resistance, Virologic Failure: Evolving Concepts. Infectious Disorders - Drug Targets, 2011, 11, 167-174.	0.4	202
78	Significantly Diminished Long-Term Specificity of the BED Capture Enzyme Immunoassay Among Patients With HIV-1 With Very Low CD4 Counts and Those on Antiretroviral Therapy. Journal of Acquired Immune Deficiency Syndromes (1999), 2010, 53, 496-499.	0.9	64
79	NucliSens EasyQÂ® HIV-1 V1.2 system: Detection of human plasma-derived background signal. Journal of Virological Methods, 2010, 165, 318-319.	1.0	5
80	Young age a predictor of weak reactivity in a rapid antibody test in infants infected with HIV. Journal of Medical Virology, 2010, 82, 1314-1317.	2.5	4
81	Another Milestone in Minimizing Risks to Mothers Exposed to Singleâ€Dose Nevirapine for Prevention of Vertical Transmission of HIVâ€1 to Infants: What Next?. Clinical Infectious Diseases, 2010, 50, 909-911.	2.9	2
82	Antiretroviral Therapy in Children with Tuberculosis: Progress toward Defining the Issues. Journal of Infectious Diseases, 2010, 201, 1113-1114.	1.9	3
83	SURVEILLANCE OF TRANSMITTED RESISTANCE TO ANTIRETROVIRAL DRUG CLASSES AMONG YOUNG CHILDREN IN THE WESTERN CAPE PROVINCE OF SOUTH AFRICA. Pediatric Infectious Disease Journal, 2010, 29, 370-371.	1.1	9
84	PROTEASE INHIBITOR RESISTANCE IN SOUTH AFRICAN CHILDREN WITH VIROLOGIC FAILURE. Pediatric Infectious Disease Journal, 2009, 28, 1125-1127.	1.1	44
85	Zidovudine with nevirapine for the prevention of HIV mother-to-child transmission reduces nevirapine resistance in mothers from the Western Cape, South Africa. Journal of Medical Virology, 2008, 80, 942-946.	2.5	31
86	Extraction buffer contaminated bacterially as a cause of invalid HIV-1 viral load results on the NucliSens EasyQÂ® system. Journal of Virological Methods, 2008, 150, 80-81.	1.0	5
87	The Namibian poliomyelitis outbreak and its consequences for South Africa. South African Family Practice: Official Journal of the South African Academy of Family Practice/Primary Care, 2006, 48, 3-6.	0.2	0
88	Pitfalls with rapid HIV antibody testing in HIV-infected children in the Western Cape, South Africa. Journal of Clinical Virology, 2006, 37, 68-71.	1.6	31