

# Michelle L Gordon

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2368222/publications.pdf>

Version: 2024-02-01

46  
papers

1,387  
citations

394421

19  
h-index

345221

36  
g-index

46  
all docs

46  
docs citations

46  
times ranked

2168  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Prevalence of HIV-1 Drug Resistance after Failure of a First Highly Active Antiretroviral Therapy Regimen in KwaZulu Natal, South Africa. <i>Clinical Infectious Diseases</i> , 2008, 46, 1589-1597.                                   | 5.8 | 226       |
| 2  | Inner-Shell Excitation Spectroscopy of the Peptide Bond: Comparison of the C 1s, N 1s, and O 1s Spectra of Glycine, Glycyl-Glycine, and Glycyl-Glycyl-Glycine. <i>Journal of Physical Chemistry A</i> , 2003, 107, 6144-6159.          | 2.5 | 162       |
| 3  | Inner shell excitation of glycine, glycyl-glycine, alanine and phenylalanine. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2004, 137-140, 795-799.  | 1.7 | 76        |
| 4  | High rate of K65R for antiretroviral therapy-naïve patients with subtype C HIV infection failing a tenofovir-containing first-line regimen. <i>Aids</i> , 2012, 26, 1679-1684.   | 2.2 | 76        |
| 5  | Variability at Human Immunodeficiency Virus Type 1 Subtype C Protease Cleavage Sites: an Indication of Viral Fitness?. <i>Journal of Virology</i> , 2003, 77, 9422-9430.   | 3.4 | 60        |
| 6  | Molecular Characteristics of Human Immunodeficiency Virus Type 1 Subtype C Viruses from KwaZulu-Natal, South Africa: Implications for Vaccine and Antiretroviral Control Strategies. <i>Journal of Virology</i> , 2003, 77, 2587-2599. | 3.4 | 60        |
| 7  | Outcomes after virologic failure of first-line ART in South Africa. <i>Aids</i> , 2010, 24, 1007-1012.   | 2.2 | 59        |
| 8  | Trends in Pretreatment HIV-1 Drug Resistance in Antiretroviral Therapy-naïve Adults in South Africa, 2000-2016: A Pooled Sequence Analysis. <i>EClinicalMedicine</i> , 2019, 9, 26-34.   | 7.1 | 51        |
| 9  | Clinical, Virologic, Immunologic Outcomes and Emerging HIV Drug Resistance Patterns in Children and Adolescents in Public ART Care in Zimbabwe. <i>PLoS ONE</i> , 2015, 10, e0144057.  | 2.5 | 50        |
| 10 | Mapping Sites of Positive Selection and Amino Acid Diversification in the HIV Genome. <i>Genetics</i> , 2004, 167, 1047-1058.  | 2.9 | 49        |
| 11 | Early Warning Indicators for First-Line Virologic Failure Independent of Adherence Measures in a South African Urban Clinic. <i>AIDS Patient Care and STDs</i> , 2013, 27, 657-668.  | 2.5 | 47        |
| 12 | HIV-1 integrase strand transfer inhibitors: a review of current drugs, recent advances and drug resistance. <i>International Journal of Antimicrobial Agents</i> , 2021, 57, 106343.   | 2.5 | 47        |
| 13 | The pharmacokinetic properties of HIV-1 protease inhibitors: A computational perspective on herbal phytochemicals. <i>Heliyon</i> , 2019, 5, e02565.   | 3.2 | 38        |
| 14 | A Systematic Review Analyzing the Prevalence and Circulation of Influenza Viruses in Swine Population Worldwide. <i>Pathogens</i> , 2020, 9, 355.  | 2.8 | 32        |
| 15 | Design and synthesis of quinoline-pyrimidine inspired hybrids as potential plasmodial inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2021, 217, 113330.  | 5.5 | 29        |
| 16 | Tracing the origin of Brazilian HTLV-1 as determined by analysis of host and viral genes. <i>Aids</i> , 2006, 20, 780-782.   | 2.2 | 24        |
| 17 | An overview of influenza A virus genes, protein functions, and replication cycle highlighting important updates. <i>Virus Genes</i> , 2022, 58, 255-269.   | 1.6 | 22        |
| 18 | Resistance to antiretroviral drugs in newly diagnosed, young treatment-naïve HIV-positive pregnant women in the province of KwaZulu-Natal, South Africa. <i>Journal of Medical Virology</i> , 2011, 83, 1508-1513.                     | 5.0 | 21        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | MDR1 and CYP3A4 polymorphisms among African, Indian, and white populations in KwaZulu-Natal, South Africa. <i>Clinical Pharmacology and Therapeutics</i> , 2003, 74, 195-196.   | 4.7 | 19        |
| 20 | Drug Resistance and Coreceptor Usage in HIV Type 1 Subtype C-Infected Children Initiating or Failing Highly Active Antiretroviral Therapy in South Africa. <i>AIDS Research and Human Retroviruses</i> , 2012, 28, 324-332.   | 1.1 | 19        |
| 21 | BioAfrica's HIV-1 proteomics resource: combining protein data with bioinformatics tools. <i>Retrovirology</i> , 2005, 2, 18.  | 2.0 | 18        |
| 22 | Genetic Characteristics, Coreceptor Usage Potential and Evolution of Nigerian HIV-1 Subtype G and CRF02_AG Isolates. <i>PLoS ONE</i> , 2011, 6, e17865.   | 2.5 | 17        |
| 23 | Drug Resistance Pattern of HIV Type 1 Isolates Sampled in 2007 from Therapy-Naive Pregnant Women in North-Central Nigeria. <i>AIDS Research and Human Retroviruses</i> , 2012, 28, 115-118.   | 1.1 | 17        |
| 24 | Random lopinavir concentrations predict resistance on lopinavir-based antiretroviral therapy. <i>International Journal of Antimicrobial Agents</i> , 2016, 48, 158-162.   | 2.5 | 16        |
| 25 | HIV-1 subtype C envelope characteristics associated with divergent rates of chronic disease progression. <i>Retrovirology</i> , 2010, 7, 92.  | 2.0 | 15        |
| 26 | Treatment options after virological failure of first-line tenofovir-based regimens in South Africa. <i>Aids</i> , 2016, 30, 1137-1140.  | 2.2 | 15        |
| 27 | Molecular dynamic mechanism(s) of inhibition of bioactive antiviral phytochemical compounds targeting cytochrome P450 3A4 and P-glycoprotein. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, , 1-11.   | 3.5 | 13        |
| 28 | Deciphering transmission dynamics and spillover of avian influenza viruses from avian species to swine populations globally. <i>Virus Genes</i> , 2021, 57, 541-555.  | 1.6 | 13        |
| 29 | A systematic review of influenza A virus prevalence and transmission dynamics in backyard swine populations globally. <i>Porcine Health Management</i> , 2022, 8, 10.   | 2.6 | 13        |
| 30 | Characterization of anti-HIV-1 neutralizing and binding antibodies in chronic HIV-1 subtype C infection. <i>Virology</i> , 2012, 433, 410-420.  | 2.4 | 12        |
| 31 | Tuberculous meningitis is associated with higher cerebrospinal HIV-1 viral loads compared to other HIV-1-associated meningitides. <i>PLoS ONE</i> , 2018, 13, e0192060.   | 2.5 | 11        |
| 32 | HIV-1 Drug Resistance by Ultra-Deep Sequencing Following Short Course Zidovudine, Single-Dose Nevirapine, and Single-Dose Tenofovir with Emtricitabine for Prevention of Mother-to-Child Transmission. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2016, 73, 384-389. | 2.1 | 8         |
| 33 | Minority HIV-1 drug-resistant mutations and prevention of mother-to-child transmission: perspectives for resource-limited countries. <i>AIDS Reviews</i> , 2014, 16, 187-98.  | 1.0 | 8         |
| 34 | Review of genome sequencing technologies in molecular characterization of influenza A viruses in swine. <i>Journal of Veterinary Diagnostic Investigation</i> , 2022, 34, 177-189.  | 1.1 | 7         |
| 35 | Analysis of Dominant HIV Quasispecies Suggests Independent Viral Evolution Within Spinal Granulomas Coinfected with Mycobacterium tuberculosis and HIV-1 Subtype C. <i>AIDS Research and Human Retroviruses</i> , 2016, 32, 262-270.  | 1.1 | 6         |
| 36 | Gag-protease coevolution shapes the outcome of lopinavir-inclusive treatment regimens in chronically infected HIV-1 subtype C patients. <i>Bioinformatics</i> , 2019, 35, 3219-3223.  | 4.1 | 6         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Modulatory influences of antiviral bioactive compounds on cell viability, mRNA and protein expression of cytochrome P450 3A4 and P-glycoprotein in HepG2 and HEK293 cells. <i>Bioorganic Chemistry</i> , 2021, 107, 104573.   | 4.1 | 5         |
| 38 | Characterization of Nucleoside Reverse Transcriptase Inhibitor-Associated Mutations in the RNase H Region of HIV-1 Subtype C Infected Individuals. <i>Viruses</i> , 2017, 9, 330.   | 3.3 | 4         |
| 39 | Candidate gene polymorphisms related to lipid metabolism in Asian Indians living in Durban, South Africa. <i>Indian Journal of Medical Research</i> , 2018, 148, 169.   | 1.0 | 4         |
| 40 | Acquired HIV-1 Protease Conformational Flexibility Associated with Lopinavir Failure May Shape the Outcome of Darunavir Therapy after Antiretroviral Therapy Switch. <i>Biomolecules</i> , 2021, 11, 489.   | 4.0 | 3         |
| 41 | Recombinant expression of HIV-1 protease using soluble fusion tags in <i>Escherichia coli</i> : A vital tool for functional characterization of HIV-1 protease. <i>Virus Research</i> , 2021, 295, 198289.  | 2.2 | 3         |
| 42 | Understanding the co-evolutionary molecular mechanisms of resistance in the HIV-1 Gag and protease. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, , 1-10.   | 3.5 | 2         |
| 43 | Development of Dual-class Antiretroviral Drug Resistance in a Child Coinfected with HIV and Tuberculosis: A Case Report from KwaZulu-Natal, South Africa. <i>Journal of Tropical Pediatrics</i> , 2007, 55, 60-62.  | 1.5 | 1         |
| 44 | A postpartum single-dose TDF/FTC tail does not prevent the selection of NNRTI resistance in women receiving prepartum ZDV and intrapartum single-dose nevirapine to prevent mother-to-child HIV transmission. <i>Journal of Medical Virology</i> , 2015, 87, 1662-1667. | 5.0 | 1         |
| 45 | Vulnerable targets in HIV-1 Pol for attenuation-based vaccine design. <i>Virology</i> , 2021, 554, 1-8.   | 2.4 | 1         |
| 46 | Structural effects of HIV-1 subtype C integrase mutations on the activity of integrase strand transfer inhibitors in South African patients. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, , 1-11.  | 3.5 | 1         |