

# Roger D Kouyos

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/6807635/roger-d-kouyos-publications-by-year.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

189  
papers

3,958  
citations

34  
h-index

55  
g-index

234  
ext. papers

5,106  
ext. citations

6.8  
avg, IF

5.07  
L-index

#	Paper	IF	Citations
189	A highly virulent variant of HIV-1 circulating in the Netherlands.. <i>Science</i> , <b>2022</b> , 375, 540-545	33.3	5
188	Phylogenetic estimation of the viral fitness landscape of HIV-1 set-point viral load.. <i>Virus Evolution</i> , <b>2022</b> , 8, veac022	3.7	
187	Genomic Surveillance of Vancomycin-Resistant <i>Enterococcus faecium</i> Reveals Spread of a Linear Plasmid Conferring a Nutrient Utilization Advantage.. <i>MBio</i> , <b>2022</b> , e0377121	7.8	1
186	The Impact of Surgical Strategy and Rifampin on Treatment Outcome in Cutibacterium Periprosthetic Joint Infections. <i>Clinical Infectious Diseases</i> , <b>2021</b> , 72, e1064-e1073	11.6	7
185	Cohort-Derived Machine Learning Models for Individual Prediction of Chronic Kidney Disease in People Living With Human Immunodeficiency Virus: A Prospective Multicenter Cohort Study. <i>Journal of Infectious Diseases</i> , <b>2021</b> , 224, 1198-1208	7	3
184	Distinct conformations of the HIV-1 V3 loop crown are targetable for broad neutralization. <i>Nature Communications</i> , <b>2021</b> , 12, 6705	17.4	1
183	Multifactorial seroprofiling dissects the contribution of pre-existing human coronaviruses responses to SARS-CoV-2 immunity. <i>Nature Communications</i> , <b>2021</b> , 12, 6703	17.4	2
182	Drivers of HIV-1 drug resistance to non-nucleoside reverse-transcriptase inhibitors (NNRTIs) in nine southern African countries: a modelling study. <i>BMC Infectious Diseases</i> , <b>2021</b> , 21, 1042	4	1
181	Assessing the drivers of syphilis among men who have sex with men in Switzerland reveals a key impact of screening frequency: A modelling study. <i>PLoS Computational Biology</i> , <b>2021</b> , 17, e1009529	5	0
180	Using longitudinally sampled viral nucleotide sequences to characterize the drivers of HIV-1 transmission. <i>HIV Medicine</i> , <b>2021</b> , 22, 346-359	2.7	0
179	Absenteeism and presenteeism in healthcare workers due to respiratory illness. <i>Infection Control and Hospital Epidemiology</i> , <b>2021</b> , 42, 268-273	2	7
178	A Treatment-as-Prevention Trial to Eliminate Hepatitis C Among Men Who Have Sex With Men Living With Human Immunodeficiency Virus (HIV) in the Swiss HIV Cohort Study. <i>Clinical Infectious Diseases</i> , <b>2021</b> , 73, e2194-e2202	11.6	13
177	Telomere Length, Traditional Risk Factors, Factors Related to Human Immunodeficiency Virus (HIV) and Coronary Artery Disease Events in Swiss Persons Living With HIV. <i>Clinical Infectious Diseases</i> , <b>2021</b> , 73, e2070-e2076	11.6	4
176	Predictors of Virological Failure and Time to Viral Suppression of First-Line Integrase Inhibitor-Based Antiretroviral Treatment. <i>Clinical Infectious Diseases</i> , <b>2021</b> , 73, e2134-e2141	11.6	3
175	HIV-1 integration sites in CD4+ T cells during primary, chronic, and late presentation of HIV-1 infection. <i>JCI Insight</i> , <b>2021</b> , 6,	9.9	1
174	Immunophenotypic characterization of TCR $\Gamma$ cells and MAIT cells in HIV-infected individuals developing Hodgkin $\beta$ lymphoma. <i>Infectious Agents and Cancer</i> , <b>2021</b> , 16, 24	3.5	0
173	Impact of Delaying Antiretroviral Treatment during Primary HIV Infection on Telomere Length. <i>Journal of Infectious Diseases</i> , <b>2021</b> ,	7	1

172	Response to a sexual risk reduction intervention provided in combination with hepatitis C treatment by HIV/HCV co-infected men who have sex with men: a reflexive thematic analysis. <i>BMC Infectious Diseases</i> , <b>2021</b> , 21, 319	4	2
171	Secondary attack rates from asymptomatic and symptomatic influenza virus shedders in hospitals: Results from the TransFLUas influenza transmission study. <i>Infection Control and Hospital Epidemiology</i> , <b>2021</b> , 1-7	2	2
170	Coronary Artery Disease-Associated and Longevity-Associated Polygenic Risk Scores for Prediction of Coronary Artery Disease Events in Persons Living With Human Immunodeficiency Virus: The Swiss HIV Cohort Study. <i>Clinical Infectious Diseases</i> , <b>2021</b> , 73, 1597-1604	11.6	0
169	Differences Between Infectious Disease Events in First Liver Transplant Versus Retransplantation in the Swiss Transplant Cohort Study. <i>Liver Transplantation</i> , <b>2021</b> , 27, 1283-1290	4.5	1
168	Phylogenetic Cluster Analysis Identifies Virological and Behavioral Drivers of Human Immunodeficiency Virus Transmission in Men Who Have Sex With Men. <i>Clinical Infectious Diseases</i> , <b>2021</b> , 72, 2175-2183	11.6	2
167	Random forest machine learning algorithm predicts virologic outcomes among HIV infected adults in Lausanne, Switzerland using electronically monitored combined antiretroviral treatment adherence. <i>AIDS Care - Psychological and Socio-Medical Aspects of AIDS/HIV</i> , <b>2021</b> , 33, 530-536	2.2	5
166	Assessing the potential impact of transmission during prolonged viral shedding on the effect of lockdown relaxation on COVID-19. <i>PLoS Computational Biology</i> , <b>2021</b> , 17, e1008609	5	2
165	Quantifying Variation in Bacterial Reproductive Fitness: a High-Throughput Method. <i>MSystems</i> , <b>2021</b> , 6,	7.6	4
164	Data linkage to evaluate the long-term risk of HIV infection in individuals seeking post-exposure prophylaxis. <i>Nature Communications</i> , <b>2021</b> , 12, 1219	17.4	
163	Emergence of Human Immunodeficiency Virus-1 Drug Resistance During the 3-Month World Health Organization-Recommended Enhanced Adherence Counseling Period in the CART-1 Cohort Study. <i>Open Forum Infectious Diseases</i> , <b>2021</b> , 8, ofab046	1	
162	Increasing Frequency and Transmission of HIV-1 Non-B Subtypes among Men Who Have Sex with Men in the Swiss HIV Cohort Study. <i>Journal of Infectious Diseases</i> , <b>2021</b> ,	7	1
161	Identifying and Characterizing Trans women in the Swiss HIV Cohort Study as an Epidemiologically Distinct Risk Group. <i>Clinical Infectious Diseases</i> , <b>2021</b> ,	11.6	1
160	Comparing mutational pathways to lopinavir resistance in HIV-1 subtypes B versus C. <i>PLoS Computational Biology</i> , <b>2021</b> , 17, e1008363	5	1
159	Identifying the drivers of multidrug-resistant <i>Klebsiella pneumoniae</i> at a European level. <i>PLoS Computational Biology</i> , <b>2021</b> , 17, e1008446	5	2
158	Cohort Profile Update: The Swiss HIV Cohort Study (SHCS). <i>International Journal of Epidemiology</i> , <b>2021</b> ,	7.8	6
157	Impact of an electronic alert on prescription patterns of meropenem, voriconazole and caspofungin.. <i>BMC Infectious Diseases</i> , <b>2021</b> , 21, 1263	4	
156	Clusters of Sexual Behavior in Human Immunodeficiency Virus-positive Men Who Have Sex With Men Reveal Highly Dissimilar Time Trends. <i>Clinical Infectious Diseases</i> , <b>2020</b> , 70, 416-424	11.6	2
155	Heritability of the HIV-1 reservoir size and decay under long-term suppressive ART. <i>Nature Communications</i> , <b>2020</b> , 11, 5542	17.4	2

154	Repeated Syphilis Episodes in HIV-Infected Men Who Have Sex With Men: A Multicenter Prospective Cohort Study on Risk Factors and the Potential Role of Syphilis Immunity. <i>Open Forum Infectious Diseases</i> , <b>2020</b> , 7, ofaa019	1	7
153	Differences in social and mental well-being of long-term survivors among people who inject drugs and other participants in the Swiss HIV Cohort Study: 1980-2018. <i>Antiviral Therapy</i> , <b>2020</b> , 25, 43-54	1.6	1
152	Early off-label treatment during pandemics? A dilemma. <i>Swiss Medical Weekly</i> , <b>2020</b> , 150, w20281	3.1	2
151	Diagnosis of latent tuberculosis infection is associated with reduced HIV viral load and lower risk for opportunistic infections in people living with HIV. <i>PLoS Biology</i> , <b>2020</b> , 18, e3000963	9.7	0
150	Impact of scaling up dolutegravir on antiretroviral resistance in South Africa: A modeling study. <i>PLoS Medicine</i> , <b>2020</b> , 17, e1003397	11.6	1
149	Chemsex drugs on the rise: a longitudinal analysis of the Swiss HIV Cohort Study from 2007 to 2017. <i>HIV Medicine</i> , <b>2020</b> , 21, 228-239	2.7	19
148	Host Genomics of the HIV-1 Reservoir Size and Its Decay Rate During Suppressive Antiretroviral Treatment. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2020</b> , 85, 517-524	3.1	3
147	Efficient microbial colony growth dynamics quantification with ColTapp, an automated image analysis application. <i>Scientific Reports</i> , <b>2020</b> , 10, 16084	4.9	10
146	Implementation and evaluation of a care bundle for prevention of non-ventilator-associated hospital-acquired pneumonia (nvHAP) - a mixed-methods study protocol for a hybrid type 2 effectiveness-implementation trial. <i>BMC Infectious Diseases</i> , <b>2020</b> , 20, 603	4	2
145	Self-reported Neurocognitive Impairment in People Living With Human Immunodeficiency Virus (HIV): Characterizing Clusters of Patients With Similar Changes in Self-reported Neurocognitive Impairment, 2013-2017, in the Swiss HIV Cohort Study. <i>Clinical Infectious Diseases</i> , <b>2020</b> , 71, 637-644	11.6	2
144	Diagnosis of latent tuberculosis infection is associated with reduced HIV viral load and lower risk for opportunistic infections in people living with HIV <b>2020</b> , 18, e3000963		
143	Diagnosis of latent tuberculosis infection is associated with reduced HIV viral load and lower risk for opportunistic infections in people living with HIV <b>2020</b> , 18, e3000963		
142	Diagnosis of latent tuberculosis infection is associated with reduced HIV viral load and lower risk for opportunistic infections in people living with HIV <b>2020</b> , 18, e3000963		
141	Diagnosis of latent tuberculosis infection is associated with reduced HIV viral load and lower risk for opportunistic infections in people living with HIV <b>2020</b> , 18, e3000963		
140	Diagnosis of latent tuberculosis infection is associated with reduced HIV viral load and lower risk for opportunistic infections in people living with HIV <b>2020</b> , 18, e3000963		
139	Diagnosis of latent tuberculosis infection is associated with reduced HIV viral load and lower risk for opportunistic infections in people living with HIV <b>2020</b> , 18, e3000963		
138	Impact of scaling up dolutegravir on antiretroviral resistance in South Africa: A modeling study <b>2020</b> , 17, e1003397		
137	Impact of scaling up dolutegravir on antiretroviral resistance in South Africa: A modeling study <b>2020</b> , 17, e1003397		

136	Impact of scaling up dolutegravir on antiretroviral resistance in South Africa: A modeling study <b>2020</b> , 17, e1003397		
135	Impact of scaling up dolutegravir on antiretroviral resistance in South Africa: A modeling study <b>2020</b> , 17, e1003397		
134	The TransFLUas influenza transmission study in acute healthcare - recruitment rates and protocol adherence in healthcare workers and inpatients. <i>BMC Infectious Diseases</i> , <b>2019</b> , 19, 446	4	5
133	Low compliance with hepatocellular carcinoma screening guidelines in hepatitis B/C virus co-infected HIV patients with cirrhosis. <i>Journal of Viral Hepatitis</i> , <b>2019</b> , 26, 1224-1228	3.4	6
132	Why do sub-Saharan Africans present late for HIV care in Switzerland?. <i>HIV Medicine</i> , <b>2019</b> , 20, 418-423	2.7	2
131	Lower Broadly Neutralizing Antibody Responses in Female Versus Male HIV-1 Infected Injecting Drug Users. <i>Viruses</i> , <b>2019</b> , 11,	6.2	3
130	A Systematic Phylogenetic Approach to Study the Interaction of HIV-1 With Coinfections, Noncommunicable Diseases, and Opportunistic Diseases. <i>Journal of Infectious Diseases</i> , <b>2019</b> , 220, 244-253	7.3	4
129	Viral Diversity Based on Next-Generation Sequencing of HIV-1 Provides Precise Estimates of Infection Recency and Time Since Infection. <i>Journal of Infectious Diseases</i> , <b>2019</b> , 220, 254-265	7	10
128	High Cure Rates With Grazoprevir-Elbasvir With or Without Ribavirin Guided by Genotypic Resistance Testing Among Human Immunodeficiency Virus/Hepatitis C Virus-coinfected Men Who Have Sex With Men. <i>Clinical Infectious Diseases</i> , <b>2019</b> , 68, 569-576	11.6	22
127	Impact of the M184V/I Mutation on the Efficacy of Abacavir/Lamivudine/Dolutegravir Therapy in HIV Treatment-Experienced Patients. <i>Open Forum Infectious Diseases</i> , <b>2019</b> , 6, ofz330	1	16
126	Determinants of HIV-1 reservoir size and long-term dynamics during suppressive ART. <i>Nature Communications</i> , <b>2019</b> , 10, 3193	17.4	50
125	Bridging the gap between HIV epidemiology and antiretroviral resistance evolution: Modelling the spread of resistance in South Africa. <i>PLoS Computational Biology</i> , <b>2019</b> , 15, e1007083	5	6
124	Mortality from suicide among people living with HIV and the general Swiss population: 1988-2017. <i>Journal of the International AIDS Society</i> , <b>2019</b> , 22, e25339	5.4	11
123	Quantifying the impact of treatment history on plasmid-mediated resistance evolution in human gut microbiota. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 23106-23116	11.5	7
122	Screening HIV-positive men who have sex with men for hepatitis C re-infection risk: is a single question on condom-use enough? A sensitivity analysis. <i>BMC Infectious Diseases</i> , <b>2019</b> , 19, 821	4	6
121	High Number of Potential Transmitters Revealed in a Population-based Systematic Hepatitis C Virus RNA Screening Among Human Immunodeficiency Virus-infected Men Who Have Sex With Men. <i>Clinical Infectious Diseases</i> , <b>2019</b> , 68, 561-568	11.6	9
120	Changing Trends in International Versus Domestic HCV Transmission in HIV-Positive Men Who Have Sex With Men: A Perspective for the Direct-Acting Antiviral Scale-Up Era. <i>Journal of Infectious Diseases</i> , <b>2019</b> , 220, 91-99	7	13
119	HIV Transmission Chains Exhibit Greater HLA-B Homogeneity Than Randomly Expected. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2019</b> , 81, 508-515	3.1	

118	Noninferiority of Simplified Dolutegravir Monotherapy Compared to Continued Combination Antiretroviral Therapy That Was Initiated During Primary Human Immunodeficiency Virus Infection: A Randomized, Controlled, Multisite, Open-label, Noninferiority Trial. <i>Clinical Infectious Diseases</i> , <b>2019</b> , 69, 1489-1497	11.6	8
117	Importance of routine viral load monitoring: higher levels of resistance at ART failure in Uganda and Lesotho compared with Switzerland. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2019</b> , 74, 468-472	5.1	6
116	High Rates of Subsequent Asymptomatic Sexually Transmitted Infections and Risky Sexual Behavior in Patients Initially Presenting With Primary Human Immunodeficiency Virus-1 Infection. <i>Clinical Infectious Diseases</i> , <b>2018</b> , 66, 735-742	11.6	18
115	Low prevalence of transmitted HIV-1 drug resistance detected by a dried blood spot (DBS)-based next-generation sequencing (NGS) method in newly diagnosed individuals in Cameroon in the years 2015-16. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2018</b> , 73, 1917-1929	5.1	13
114	Development of a high-throughput bead based assay system to measure HIV-1 specific immune signatures in clinical samples. <i>Journal of Immunological Methods</i> , <b>2018</b> , 454, 48-58	2.5	10
113	Dietary Patterns and Physical Activity Correlate With Total Cholesterol Independently of Lipid-Lowering Drugs and Antiretroviral Therapy in Aging People Living With Human Immunodeficiency Virus. <i>Open Forum Infectious Diseases</i> , <b>2018</b> , 5, ofy067	1	10
112	No Effect of Pegylated Interferon- $\alpha$ on Total HIV-1 DNA Load in HIV-1/HCV Coinfected Patients. <i>Journal of Infectious Diseases</i> , <b>2018</b> , 217, 1883-1888	7	8
111	Quantifying the drivers of HIV transmission and prevention in men who have sex with men: a population model-based analysis in Switzerland. <i>HIV Medicine</i> , <b>2018</b> , 19, 688-697	2.7	3
110	Spontaneous reactivation of latent HIV-1 promoters is linked to the cell cycle as revealed by a genetic-insulators-containing dual-fluorescence HIV-1-based vector. <i>Scientific Reports</i> , <b>2018</b> , 8, 10204	4.9	5
109	Quantifying the fitness cost of HIV-1 drug resistance mutations through phylodynamics. <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1006895	7.6	30
108	Antibacterial effects of antiretrovirals, potential implications for microbiome studies in HIV. <i>Antiviral Therapy</i> , <b>2018</b> , 23, 91-94	1.6	13
107	On the potential of a short-term intensive intervention to interrupt HCV transmission in HIV-positive men who have sex with men: A mathematical modelling study. <i>Journal of Viral Hepatitis</i> , <b>2018</b> , 25, 10-18	3.4	14
106	Inferring the age difference in HIV transmission pairs by applying phylogenetic methods on the HIV transmission network of the Swiss HIV Cohort Study. <i>Virus Evolution</i> , <b>2018</b> , 4, vey024	3.7	16
105	Easy and accurate reconstruction of whole HIV genomes from short-read sequence data with shiver. <i>Virus Evolution</i> , <b>2018</b> , 4, vey007	3.7	38
104	Modeling the measles paradox reveals the importance of cellular immunity in regulating viral clearance. <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1007493	7.6	4
103	Dissecting HIV Virulence: Heritability of Setpoint Viral Load, CD4+ T-Cell Decline, and Per-Parasite Pathogenicity. <i>Molecular Biology and Evolution</i> , <b>2018</b> , 35, 27-37	8.3	19
102	Incidental Findings on Coronary Computed Tomography Angiography in Human Immunodeficiency Virus (HIV)-Positive and HIV-Negative Persons. <i>Open Forum Infectious Diseases</i> , <b>2018</b> , 5, ofy084	1	3
101	Tracing HIV-1 strains that imprint broadly neutralizing antibody responses. <i>Nature</i> , <b>2018</b> , 561, 406-410	50.4	37

100	Cost-effectiveness of low-dose CT screening for lung cancer in a European country with high prevalence of smoking-A modelling study. <i>Lung Cancer</i> , <b>2018</b> , 121, 61-69	5.9	25
99	The Cumulative Impact of Harm Reduction on the Swiss HIV Epidemic: Cohort Study, Mathematical Model, and Phylogenetic Analysis. <i>Open Forum Infectious Diseases</i> , <b>2018</b> , 5, ofy078	1	5
98	Distinct, IgG1-driven antibody response landscapes demarcate individuals with broadly HIV-1 neutralizing activity. <i>Journal of Experimental Medicine</i> , <b>2018</b> , 215, 1589-1608	16.6	23
97	Mining for pairs: shared clinic visit dates identify steady HIV-positive partnerships. <i>HIV Medicine</i> , <b>2017</b> , 18, 667-676	2.7	2
96	Assessing the need for a pre-exposure prophylaxis programme using the social media app Grindr . <i>HIV Medicine</i> , <b>2017</b> , 18, 772-776	2.7	10
95	Impact of screening and antiretroviral therapy on anal cancer incidence in HIV-positive MSM. <i>Aids</i> , <b>2017</b> , 31, 1859-1866	3.5	13
94	Prescription of Postexposure Prophylaxis for HIV-1 in the Emergency Room: Correct Transmission Risk Assessment Remains Challenging. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2017</b> , 74, 359-366	3.1	5
93	Evaluation of the Predictive Potential of the Short Acute Retroviral Syndrome Severity Score for HIV-1 Disease Progression in Individuals With Acute HIV Infection. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2017</b> , 74, e114-e117	3.1	2
92	Factors associated with syphilis incidence in the HIV-infected in the era of highly active antiretrovirals. <i>Medicine (United States)</i> , <b>2017</b> , 96, e5849	1.8	25
91	Reply to correspondence RConserved signatures indicate HIV-1 transmission is under strong selection and thus is not a "stochastic" processPby Gonzalez et al., <i>Retrovirology</i> 2017.	3.6	2
90	Parent-offspring regression to estimate the heritability of an HIV-1 trait in a realistic setup. <i>Retrovirology</i> , <b>2017</b> , 14, 33	3.6	8
89	Assessing the danger of self-sustained HIV epidemics in heterosexuals by population based phylogenetic cluster analysis. <i>ELife</i> , <b>2017</b> , 6,	8.9	13
88	Viral genetic variation accounts for a third of variability in HIV-1 set-point viral load in Europe. <i>PLoS Biology</i> , <b>2017</b> , 15, e2001855	9.7	21
87	Phylodynamics on local sexual contact networks. <i>PLoS Computational Biology</i> , <b>2017</b> , 13, e1005448	5	11
86	The impact of HCV therapy in a high HIV-HCV prevalence population: A modeling study on people who inject drugs in Ho Chi Minh City, Vietnam. <i>PLoS ONE</i> , <b>2017</b> , 12, e0177195	3.7	8
85	Hepatitis C virus dynamics among intravenous drug users suggest that an annual treatment uptake above 10% would eliminate the disease by 2030. <i>Swiss Medical Weekly</i> , <b>2017</b> , 147, w14543	3.1	6
84	Hepatitis C Infection and the Risk of Non-Liver-Related Morbidity and Mortality in HIV-Infected Persons in the Swiss HIV Cohort Study. <i>Clinical Infectious Diseases</i> , <b>2017</b> , 64, 490-497	11.6	28
83	Contribution of APOBEC3G/F activity to the development of low-abundance drug-resistant human immunodeficiency virus type 1 variants. <i>Clinical Microbiology and Infection</i> , <b>2016</b> , 22, 191-200	9.5	18

82	Hepatitis C virus transmission among human immunodeficiency virus-infected men who have sex with men: Modeling the effect of behavioral and treatment interventions. <i>Hepatology</i> , <b>2016</b> , 64, 1856-1869	11.2	61
81	Monocyte-derived macrophages exhibit distinct and more restricted HIV-1 integration site repertoire than CD4(+) T cells. <i>Scientific Reports</i> , <b>2016</b> , 6, 24157	4.9	13
80	Large-scale inference of conjunctive Bayesian networks. <i>Bioinformatics</i> , <b>2016</b> , 32, i727-i735	7.2	10
79	A Direct Comparison of Two Densely Sampled HIV Epidemics: The UK and Switzerland. <i>Scientific Reports</i> , <b>2016</b> , 6, 32251	4.9	11
78	Tracing HIV-1 transmission: envelope traits of HIV-1 transmitter and recipient pairs. <i>Retrovirology</i> , <b>2016</b> , 13, 62	3.6	31
77	Dually Active HIV/HBV Antiretrovirals as Protection Against Incident Hepatitis B Infections: Potential for Prophylaxis. <i>Journal of Infectious Diseases</i> , <b>2016</b> , 214, 599-606	7	26
76	Can we believe the DAGs? A comment on the relationship between causal DAGs and mechanisms. <i>Statistical Methods in Medical Research</i> , <b>2016</b> , 25, 2294-2314	2.3	42
75	Improved darunavir genotypic mutation score predicting treatment response for patients infected with HIV-1 subtype B and non-subtype B receiving a salvage regimen. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2016</b> , 71, 1352-60	5.1	3
74	Modelling the impact of deferring HCV treatment on liver-related complications in HIV coinfecting men who have sex with men. <i>Journal of Hepatology</i> , <b>2016</b> , 65, 26-32	13.4	23
73	Emergence of Acquired HIV-1 Drug Resistance Almost Stopped in Switzerland: A 15-Year Prospective Cohort Analysis. <i>Clinical Infectious Diseases</i> , <b>2016</b> , 62, 1310-1317	11.6	39
72	HIV-1 Transmission During Recent Infection and During Treatment Interruptions as Major Drivers of New Infections in the Swiss HIV Cohort Study. <i>Clinical Infectious Diseases</i> , <b>2016</b> , 62, 115-122	11.6	43
71	A Method to Estimate the Size and Characteristics of HIV-positive Populations Using an Individual-based Stochastic Simulation Model. <i>Epidemiology</i> , <b>2016</b> , 27, 247-56	3.1	5
70	The Role of Adherence and Retreatment in De Novo Emergence of MDR-TB. <i>PLoS Computational Biology</i> , <b>2016</b> , 12, e1004749	5	12
69	Assessment of Overlap of Phylogenetic Transmission Clusters and Communities in Simple Sexual Contact Networks: Applications to HIV-1. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148459	3.7	20
68	Postnatal retention in HIV care: insight from the Swiss HIV Cohort Study over a 15-year observational period. <i>HIV Medicine</i> , <b>2016</b> , 17, 280-8	2.7	11
67	Genotypic Resistance Tests Sequences Reveal the Role of Marginalized Populations in HIV-1 Transmission in Switzerland. <i>Scientific Reports</i> , <b>2016</b> , 6, 27580	4.9	14
66	Successful Prevention of Transmission of Integrase Resistance in the Swiss HIV Cohort Study. <i>Journal of Infectious Diseases</i> , <b>2016</b> , 214, 399-402	7	31
65	Kaposi Sarcoma Risk in HIV-Infected Children and Adolescents on Combination Antiretroviral Therapy From Sub-Saharan Africa, Europe, and Asia. <i>Clinical Infectious Diseases</i> , <b>2016</b> , 63, 1245-1253	11.6	15

64	Determinants of HIV-1 broadly neutralizing antibody induction. <i>Nature Medicine</i> , <b>2016</b> , 22, 1260-1267	50.5	99
63	High hepatic and extrahepatic mortality and low treatment uptake in HCV-coinfected persons in the Swiss HIV cohort study between 2001 and 2013. <i>Journal of Hepatology</i> , <b>2015</b> , 63, 573-80	13.4	31
62	The potential impact of coinfection on antimicrobial chemotherapy and drug resistance. <i>Trends in Microbiology</i> , <b>2015</b> , 23, 537-544	12.4	25
61	Persistence of transmitted HIV-1 drug resistance mutations associated with fitness costs and viral genetic backgrounds. <i>PLoS Pathogens</i> , <b>2015</b> , 11, e1004722	7.6	52
60	Estimating the dynamics and dependencies of accumulating mutations with applications to HIV drug resistance. <i>Biostatistics</i> , <b>2015</b> , 16, 713-26	3.7	2
59	Modeling the effect of HIV coinfection on clearance and sustained virologic response during treatment for hepatitis C virus. <i>Epidemics</i> , <b>2015</b> , 12, 1-10	5.1	9
58	Assessing efficacy of different nucleos(t)ide backbones in NNRTI-containing regimens in the Swiss HIV Cohort Study. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2015</b> , 70, 3323-31	5.1	5
57	Five challenges in evolution and infectious diseases. <i>Epidemics</i> , <b>2015</b> , 10, 40-4	5.1	32
56	The impact of vaccination on the breadth and magnitude of the antibody response to influenza A viruses in HIV-infected individuals. <i>Aids</i> , <b>2015</b> , 29, 1803-10	3.5	6
55	Reasons for late presentation to HIV care in Switzerland. <i>Journal of the International AIDS Society</i> , <b>2015</b> , 18, 20317	5.4	41
54	Frequency and Spectrum of Unexpected Clinical Manifestations of Primary HIV-1 Infection. <i>Clinical Infectious Diseases</i> , <b>2015</b> , 61, 1013-21	11.6	56
53	Increases in Condomless Sex in the Swiss HIV Cohort Study. <i>Open Forum Infectious Diseases</i> , <b>2015</b> , 2, ofv077		26
52	Low-frequency drug-resistant HIV-1 and risk of virological failure to first-line NNRTI-based ART: a multicohort European case-control study using centralized ultrasensitive 454 pyrosequencing. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2015</b> , 70, 930-40	5.1	86
51	Assessing the Paradox Between Transmitted and Acquired HIV Type 1 Drug Resistance Mutations in the Swiss HIV Cohort Study From 1998 to 2012. <i>Journal of Infectious Diseases</i> , <b>2015</b> , 212, 28-38	7	49
50	Higher risk of incident hepatitis C virus coinfection among men who have sex with men, in whom the HIV genetic bottleneck at transmission was wide. <i>Journal of Infectious Diseases</i> , <b>2014</b> , 210, 1555-61	7	13
49	Social meets molecular: Combining phylogenetic and latent class analyses to understand HIV-1 transmission in Switzerland. <i>American Journal of Epidemiology</i> , <b>2014</b> , 179, 1514-25	3.8	21
48	A novel Acute Retroviral Syndrome Severity Score predicts the key surrogate markers for HIV-1 disease progression. <i>PLoS ONE</i> , <b>2014</b> , 9, e114111	3.7	12
47	Loss to follow-up of HIV-infected women after delivery: The Swiss HIV Cohort Study and the Swiss Mother and Child HIV Cohort Study. <i>Journal of the International AIDS Society</i> , <b>2014</b> , 17, 19535	5.4	6

46	The path of least resistance: aggressive or moderate treatment?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 281, 20140566	4.4	63
45	Cycling empirical antibiotic therapy in hospitals: meta-analysis and models. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004225	7.6	60
44	Recombination accelerates adaptation on a large-scale empirical fitness landscape in HIV-1. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004439	6	28
43	Treatment-naïve individuals are the major source of transmitted HIV-1 drug resistance in men who have sex with men in the Swiss HIV Cohort Study. <i>Clinical Infectious Diseases</i> , <b>2014</b> , 58, 285-94	11.6	67
42	Clustering of HCV coinfections on HIV phylogeny indicates domestic and sexual transmission of HCV. <i>International Journal of Epidemiology</i> , <b>2014</b> , 43, 887-96	7.8	27
41	Prevalence and risk factors of late presentation for HIV diagnosis and care in a tertiary referral centre in Switzerland. <i>Swiss Medical Weekly</i> , <b>2014</b> , 144, w13961	3.1	13
40	On the role of resonance in drug failure under HIV treatment interruption. <i>Theoretical Biology and Medical Modelling</i> , <b>2013</b> , 10, 44	2.3	1
39	Hospital-community interactions foster coexistence between methicillin-resistant strains of <i>Staphylococcus aureus</i> . <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003134	7.6	42
38	Assessing the impact of adherence to anti-retroviral therapy on treatment failure and resistance evolution in HIV. <i>Journal of the Royal Society Interface</i> , <b>2012</b> , 9, 2309-20	4.1	22
37	Estimating the basic reproductive number from viral sequence data. <i>Molecular Biology and Evolution</i> , <b>2012</b> , 29, 347-57	8.3	136
36	Inferring epidemic contact structure from phylogenetic trees. <i>PLoS Computational Biology</i> , <b>2012</b> , 8, e1002413	5.4	67
35	Estimating the fitness cost of escape from HLA presentation in HIV-1 protease and reverse transcriptase. <i>PLoS Computational Biology</i> , <b>2012</b> , 8, e1002525	5	10
34	Exploring the complexity of the HIV-1 fitness landscape. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1002551	6	77
33	Prolonged persistence of measles virus RNA is characteristic of primary infection dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 14989-94	11.5	77
32	Population biological principles of drug-resistance evolution in infectious diseases. <i>Lancet Infectious Diseases</i> , <b>2011</b> , 11, 236-47	25.5	150
31	An integrated approach to identifying international foodborne norovirus outbreaks. <i>Emerging Infectious Diseases</i> , <b>2011</b> , 17, 412-8	10.2	31
30	The role of migration and domestic transmission in the spread of HIV-1 non-B subtypes in Switzerland. <i>Journal of Infectious Diseases</i> , <b>2011</b> , 204, 1095-103	7	60
29	Contribution of a mutational bias in hepatitis C virus replication to the genetic barrier in the development of drug resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 20509-13	11.5	119

28	Assessing predicted HIV-1 replicative capacity in a clinical setting. <i>PLoS Pathogens</i> , <b>2011</b> , 7, e1002321	7.6	32
27	Informed switching strongly decreases the prevalence of antibiotic resistance in hospital wards. <i>PLoS Computational Biology</i> , <b>2011</b> , 7, e1001094	5	35
26	On being the right size: the impact of population size and stochastic effects on the evolution of drug resistance in hospitals and the community. <i>PLoS Pathogens</i> , <b>2011</b> , 7, e1001334	7.6	26
25	Ambiguous nucleotide calls from population-based sequencing of HIV-1 are a marker for viral diversity and the age of infection. <i>Clinical Infectious Diseases</i> , <b>2011</b> , 52, 532-9	11.6	99
24	The role of recombination for the coevolutionary dynamics of HIV and the immune response. <i>PLoS ONE</i> , <b>2011</b> , 6, e16052	3.7	24
23	On the evolution of sexual reproduction in hosts coevolving with multiple parasites. <i>Evolution; International Journal of Organic Evolution</i> , <b>2010</b> , 64, 1644-56	3.8	7
22	Molecular epidemiology reveals long-term changes in HIV type 1 subtype B transmission in Switzerland. <i>Journal of Infectious Diseases</i> , <b>2010</b> , 201, 1488-97	7	145
21	Phylogenetic approach reveals that virus genotype largely determines HIV set-point viral load. <i>PLoS Pathogens</i> , <b>2010</b> , 6, e1001123	7.6	91
20	Similar impact of CD8+ T cell responses on early virus dynamics during SIV infections of rhesus macaques and sooty mangabeys. <i>PLoS Computational Biology</i> , <b>2010</b> , 6, e1000901	5	9
19	Rational design of HIV-1 fluorescent hydrolysis probes considering phylogenetic variation and probe performance. <i>Journal of Virological Methods</i> , <b>2010</b> , 165, 151-60	2.6	27
18	Rotating antibiotics does not minimize selection for resistance. <i>Mathematical Biosciences and Engineering</i> , <b>2010</b> , 7, 919-22	2.1	16
17	On the causes of selection for recombination underlying the red queen hypothesis. <i>American Naturalist</i> , <b>2009</b> , 174 Suppl 1, S31-42	3.7	22
16	Predicting the evolution of sex on complex fitness landscapes. <i>PLoS Computational Biology</i> , <b>2009</b> , 5, e1000510	13	
15	The role of epistasis on the evolution of recombination in host-parasite coevolution. <i>Theoretical Population Biology</i> , <b>2009</b> , 75, 1-13	1.2	21
14	Recombination and drug resistance in HIV: population dynamics and stochasticity. <i>Epidemics</i> , <b>2009</b> , 1, 58-69	5.1	20
13	The state of affairs in the kingdom of the Red Queen. <i>Trends in Ecology and Evolution</i> , <b>2008</b> , 23, 439-45	10.9	119
12	Rapid parasite adaptation drives selection for high recombination rates. <i>Evolution; International Journal of Organic Evolution</i> , <b>2008</b> , 62, 295-300	3.8	58
11	The Red Queen and the persistence of linkage-disequilibrium oscillations in finite and infinite populations. <i>BMC Evolutionary Biology</i> , <b>2007</b> , 7, 211	3	32

10	Epistasis between deleterious mutations and the evolution of recombination. <i>Trends in Ecology and Evolution</i> , <b>2007</b> , 22, 308-15	10.9	124
9	From Intracellular Traffic to a Novel Class of Driven Lattice Gas Models <b>2007</b> , 205-222		1
8	Effect of varying epistasis on the evolution of recombination. <i>Genetics</i> , <b>2006</b> , 173, 589-97	4	42
7	Bottleneck-induced transitions in a minimal model for intracellular transport. <i>Physical Review E</i> , <b>2006</b> , 74, 031906	2.4	64
6	Stochastic or deterministic: what is the effective population size of HIV-1?. <i>Trends in Microbiology</i> , <b>2006</b> , 14, 507-11	12.4	78
5	Easy and Accurate Reconstruction of Whole HIV Genomes from Short-Read Sequence Data		4
4	ColTapp, an automated image analysis application for efficient microbial colony growth dynamics quantification		
3	Comparing mutational pathways to lopinavir resistance in HIV-1 subtypes B versus C		2
2	Multifactorial SARS-CoV-2 seroprofiling dissects interdependencies with human coronaviruses and predicts neutralization activity		2
1	Contribution of endogenous and exogenous antibodies to clearance of SARS-CoV-2 during convalescent plasma therapy		2