

# Ronald G Collman

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/2637865/ronald-g-collman-publications-by-year.pdf>

**Version:** 2024-04-24

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.

165  
papers

17,490  
citations

57  
h-index

131  
g-index

181  
ext. papers

20,012  
ext. citations

8.7  
avg, IF

5.97  
L-index

#	Paper	IF	Citations
165	Cytomegalovirus latent infection is associated with an increased risk of COVID-19-related hospitalization.. <i>Journal of Infectious Diseases</i> , <b>2022</b> ,	7	8
164	SARS-CoV-2 Variants Associated with Vaccine Breakthrough in the Delaware Valley through Summer 2021.. <i>MBio</i> , <b>2022</b> , e0378821	7.8	3
163	Viruses, periodontitis, and comorbidities.. <i>Periodontology 2000</i> , <b>2022</b> ,	12.9	2
162	Epigenetic Landscape of HIV-1 Infection in Primary Human Macrophage.. <i>Journal of Virology</i> , <b>2022</b> , e001622	6.22	0
161	Debulking SARS-CoV-2 in saliva using angiotensin converting enzyme 2 in chewing gum to decrease oral virus transmission and infection. <i>Molecular Therapy</i> , <b>2021</b> ,	11.7	3
160	SARS-CoV-2 variants associated with vaccine breakthrough in the Delaware Valley through summer 2021 <b>2021</b> ,		1
159	Decreased Intestinal Microbiome Diversity in Pediatric Sepsis: A Conceptual Framework for Intestinal Dysbiosis to Influence Immunometabolic Function <b>2021</b> , 3, e0360		1
158	Detection of Microbial Agents in Oropharyngeal and Nasopharyngeal Samples of SARS-CoV-2 Patients. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 637202	5.7	
157	CD4 receptor diversity represents an ancient protection mechanism against primate lentiviruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	1
156	Signatures of COVID-19 severity and immune response in the respiratory tract microbiome <b>2021</b> ,		3
155	Detection of SARS-CoV-2 RNA using RT-LAMP and molecular beacons. <i>Genome Biology</i> , <b>2021</b> , 22, 169	18.3	26
154	Transcriptomics of bronchoalveolar lavage cells identifies new molecular endotypes of sarcoidosis. <i>European Respiratory Journal</i> , <b>2021</b> , 58,	13.6	2
153	Gene coexpression networks reveal novel molecular endotypes in alpha-1 antitrypsin deficiency. <i>Thorax</i> , <b>2021</b> , 76, 134-143	7.3	3
152	An integrated self-powered 3D printed sample concentrator for highly sensitive molecular detection of HIV in whole blood at the point of care. <i>Analyst, The</i> , <b>2021</b> , 146, 3234-3241	5	1
151	ICTV Virus Taxonomy Profile:. <i>Journal of General Virology</i> , <b>2021</b> , 102,	4.9	3
150	SARS-CoV-2 Genomic Variation in Space and Time in Hospitalized Patients in Philadelphia. <i>MBio</i> , <b>2021</b> , 12,	7.8	13
149	Femtomolar SARS-CoV-2 Antigen Detection Using the Microbubbling Digital Assay with Smartphone Readout Enables Antigen Burden Quantitation and Dynamics Tracking <b>2021</b> ,		3

148	Dynamic Changes in the Nasal Microbiome Associated With Disease Activity in Patients With Granulomatosis With Polyangiitis. <i>Arthritis and Rheumatology</i> , <b>2021</b> , 73, 1703-1712	9.5	5
147	The lung microbiome: progress and promise. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	9
146	The lung microbiome in lung transplantation. <i>Journal of Heart and Lung Transplantation</i> , <b>2021</b> , 40, 733-748	4.8	2
145	Signatures of COVID-19 Severity and Immune Response in the Respiratory Tract Microbiome. <i>MBio</i> , <b>2021</b> , 12, e0177721	7.8	21
144	Femtomolar SARS-CoV-2 Antigen Detection Using the Microbubbling Digital Assay with Smartphone Readout Enables Antigen Burden Quantitation and Tracking. <i>Clinical Chemistry</i> , <b>2021</b> ,	5.5	3
143	Lack of Atorvastatin Effect on Monocyte Gene Expression and Inflammatory Markers in HIV-1-infected ART-suppressed Individuals at Risk of non-AIDS Comorbidities. <i>Pathogens and Immunity</i> , <b>2021</b> , 6, 1-26	4.9	
142	Redondovirus Diversity and Evolution on Global, Individual, and Molecular Scales. <i>Journal of Virology</i> , <b>2021</b> , 95, e0081721	6.6	2
141	Single- and Two-Stage, Closed-Tube, Point-of-Care, Molecular Detection of SARS-CoV-2. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 13063-13071	7.8	10
140	Heightened resistance to host type 1 interferons characterizes HIV-1 at transmission and after antiretroviral therapy interruption. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	14
139	4167 Peri-transplant Lung Microbiome Reveal Oral Bacteria, Pepsin And Inflammatory Markers Co-associate With Primary Graft Dysfunction, Implicating Aspiration As A Potential Contributor. <i>Journal of Clinical and Translational Science</i> , <b>2020</b> , 4, 111-111	0.4	
138	The effect of varenicline on mood and cognition in smokers with HIV. <i>Psychopharmacology</i> , <b>2020</b> , 237, 1223-1231	4.7	2
137	Pathogenesis of Aging and Age-related Comorbidities in People with HIV: Highlights from the HIV ACTION Workshop. <i>Pathogens and Immunity</i> , <b>2020</b> , 5, 143-174	4.9	14
136	A Summary of the Fourth Annual Virology Education HIV Microbiome Workshop. <i>AIDS Research and Human Retroviruses</i> , <b>2020</b> , 36, 349-356	1.6	2
135	Bidirectional Associations among Nicotine and Tobacco Smoke, NeuroHIV, and Antiretroviral Therapy. <i>Journal of NeuroImmune Pharmacology</i> , <b>2020</b> , 15, 694-714	6.9	11
134	A Summary of the Fifth Annual Virology Education HIV Microbiome Workshop. <i>AIDS Research and Human Retroviruses</i> , <b>2020</b> , 36, 886-895	1.6	0
133	Brief Report: Rate of Nicotine Metabolism and Tobacco Use Among Persons With HIV: Implications for Treatment and Research. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2019</b> , 80, e36-e40	3.1	10
132	Redondoviridae, a Family of Small, Circular DNA Viruses of the Human Oro-Respiratory Tract Associated with Periodontitis and Critical Illness. <i>Cell Host and Microbe</i> , <b>2019</b> , 25, 719-729.e4	23.4	36
131	Placebo-controlled randomized clinical trial testing the efficacy and safety of varenicline for smokers with HIV. <i>Drug and Alcohol Dependence</i> , <b>2019</b> , 200, 26-33	4.9	16

130	CD4 receptor diversity in chimpanzees protects against SIV infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 3229-3238	11.5	12
129	Upper Respiratory Dysbiosis with a Facultative-dominated Ecotype in Advanced Lung Disease and Dynamic Change after Lung Transplant. <i>Annals of the American Thoracic Society</i> , <b>2019</b> , 16, 1383-1391	4.7	10
128	Molecular analysis of the endobronchial stent microbial biofilm reveals bacterial communities that associate with stent material and frequent fungal constituents. <i>PLoS ONE</i> , <b>2019</b> , 14, e0217306	3.7	9
127	Evidence for Persistent Monocyte and Immune Dysregulation After Prolonged Viral Suppression Despite Normalization of Monocyte Subsets, sCD14 and sCD163 in HIV-Infected Individuals. <i>Pathogens and Immunity</i> , <b>2019</b> , 4, 324-362	4.9	7
126	Differences in the rate of nicotine metabolism among smokers with and without HIV. <i>Aids</i> , <b>2019</b> , 33, 1083-1088	3.5	18
125	Bidirectional transfer of Anelloviridae lineages between graft and host during lung transplantation. <i>American Journal of Transplantation</i> , <b>2019</b> , 19, 1086-1097	8.7	19
124	Molecular analysis of bacterial contamination on stethoscopes in an intensive care unit. <i>Infection Control and Hospital Epidemiology</i> , <b>2019</b> , 40, 171-177	2	15
123	Allometry and Ecology of the Bilaterian Gut Microbiome. <i>MBio</i> , <b>2018</b> , 9,	7.8	20
122	Microbial Lineages in Sarcoidosis. A Metagenomic Analysis Tailored for Low-Microbial Content Samples. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2018</b> , 197, 225-234	10.2	39
121	Characterisation of the nasal microbiota in granulomatosis with polyangiitis. <i>Annals of the Rheumatic Diseases</i> , <b>2018</b> , 77, 1448-1453	2.4	23
120	Evaluation of a therapy for Idiopathic Chronic Enterocolitis in rhesus macaques () and linked microbial community correlates. <i>PeerJ</i> , <b>2018</b> , 6, e4612	3.1	4
119	T cell dynamics and response of the microbiota after gene therapy to treat X-linked severe combined immunodeficiency. <i>Genome Medicine</i> , <b>2018</b> , 10, 70	14.4	19
118	SIV Coreceptor Specificity in Natural and Non-Natural Host Infection: Implications for Cell Targeting and Differential Outcomes from Infection. <i>Current HIV Research</i> , <b>2018</b> , 16, 41-51	1.3	3
117	Loss of CXCR6 coreceptor usage characterizes pathogenic lentiviruses. <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1007003	7.8	9
116	Marginal Effects of Systemic CCR5 Blockade with Maraviroc on Oral Simian Immunodeficiency Virus Transmission to Infant Macaques. <i>Journal of Virology</i> , <b>2018</b> , 92,	6.6	9
115	Administration of nucleoside-modified mRNA encoding broadly neutralizing antibody protects humanized mice from HIV-1 challenge. <i>Nature Communications</i> , <b>2017</b> , 8, 14630	17.4	179
114	CXCR6-Mediated Simian Immunodeficiency Virus SIVagmSab Entry into Sabaeus African Green Monkey Lymphocytes Implicates Widespread Use of Non-CCR5 Pathways in Natural Host Infections. <i>Journal of Virology</i> , <b>2017</b> , 91,	6.6	18
113	Optimizing methods and dodging pitfalls in microbiome research. <i>Microbiome</i> , <b>2017</b> , 5, 52	16.6	273

112	Miniaturized devices for point of care molecular detection of HIV. <i>Lab on A Chip</i> , <b>2017</b> , 17, 382-394	7.2	73
111	Application of "Omics" and Systems Biology to Sarcoidosis Research. <i>Annals of the American Thoracic Society</i> , <b>2017</b> , 14, S445-S451	4.7	19
110	Supraphysiologic control over HIV-1 replication mediated by CD8 T cells expressing a re-engineered CD4-based chimeric antigen receptor. <i>PLoS Pathogens</i> , <b>2017</b> , 13, e1006613	7.6	68
109	Enrichment of the lung microbiome with oral taxa is associated with lung inflammation of a Th17 phenotype. <i>Nature Microbiology</i> , <b>2016</b> , 1, 16031	26.6	268
108	Composition and dynamics of the respiratory tract microbiome in intubated patients. <i>Microbiome</i> , <b>2016</b> , 4, 7	16.6	100
107	A Summary of the First HIV Microbiome Workshop 2015. <i>AIDS Research and Human Retroviruses</i> , <b>2016</b> , 32, 935-941	1.6	8
106	Statin modulation of monocyte phenotype and function: implications for HIV-1-associated neurocognitive disorders. <i>Journal of NeuroVirology</i> , <b>2016</b> , 22, 584-596	3.9	22
105	Rationale and Design of the Genomic Research in Alpha-1 Antitrypsin Deficiency and Sarcoidosis (GRADS) Study. Sarcoidosis Protocol. <i>Annals of the American Thoracic Society</i> , <b>2015</b> , 12, 1561-71	4.7	42
104	Persistent high mortality in advanced HIV/TB despite appropriate antiretroviral and antitubercular therapy: an emerging challenge. <i>Current HIV/AIDS Reports</i> , <b>2015</b> , 12, 107-16	5.9	20
103	Human caspase-4 mediates noncanonical inflammasome activation against gram-negative bacterial pathogens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 6688-93	11.5	159
102	Power and sample-size estimation for microbiome studies using pairwise distances and PERMANOVA. <i>Bioinformatics</i> , <b>2015</b> , 31, 2461-8	7.2	193
101	Multicenter Comparison of Lung and Oral Microbiomes of HIV-infected and HIV-uninfected Individuals. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2015</b> , 192, 1335-44	10.2	97
100	Dualtropic CXCR6/CCR5 Simian Immunodeficiency Virus (SIV) Infection of Sooty Mangabey Primary Lymphocytes: Distinct Coreceptor Use in Natural versus Pathogenic Hosts of SIV. <i>Journal of Virology</i> , <b>2015</b> , 89, 9252-61	6.6	35
99	Coevolutionary dynamics between tribe Cercopithecini tetherins and their lentiviruses. <i>Scientific Reports</i> , <b>2015</b> , 5, 16021	4.9	13
98	Characterization and Implementation of a Diverse Simian Immunodeficiency Virus SIVsm Envelope Panel in the Assessment of Neutralizing Antibody Breadth Elicited in Rhesus Macaques by Multimodal Vaccines Expressing the SIVmac239 Envelope. <i>Journal of Virology</i> , <b>2015</b> , 89, 8130-51	6.6	20
97	Induction of Heme Oxygenase-1 Deficiency and Associated Glutamate-Mediated Neurotoxicity Is a Highly Conserved HIV Phenotype of Chronic Macrophage Infection That Is Resistant to Antiretroviral Therapy. <i>Journal of Virology</i> , <b>2015</b> , 89, 10656-67	6.6	21
96	Gene editing of CCR5 in autologous CD4 T cells of persons infected with HIV. <i>New England Journal of Medicine</i> , <b>2014</b> , 370, 901-10	59.2	1018
95	Mixed Mycobacterium tuberculosis complex infections and false-negative results for rifampin resistance by GeneXpert MTB/RIF are associated with poor clinical outcomes. <i>Journal of Clinical Microbiology</i> , <b>2014</b> , 52, 2422-9	9.7	90

94	HIV-1 envelope-receptor interactions required for macrophage infection and implications for current HIV-1 cure strategies. <i>Journal of Leukocyte Biology</i> , <b>2014</b> , 95, 71-81	6.5	23
93	Target cell availability, rather than breast milk factors, dictates mother-to-infant transmission of SIV in sooty mangabeys and rhesus macaques. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1003958	7.6	32
92	CD4 depletion in SIV-infected macaques results in macrophage and microglia infection with rapid turnover of infected cells. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004467	7.6	80
91	Improved characterization of medically relevant fungi in the human respiratory tract using next-generation sequencing. <i>Genome Biology</i> , <b>2014</b> , 15, 487	18.3	76
90	Examining the relationship between alcohol use and high-risk sex practices in a population of women with high HIV incidence despite high levels of HIV-related knowledge. <i>Sexually Transmitted Infections</i> , <b>2014</b> , 90, 216-22	2.8	7
89	Divergent CD4+ T memory stem cell dynamics in pathogenic and nonpathogenic simian immunodeficiency virus infections. <i>Journal of Immunology</i> , <b>2014</b> , 192, 4666-73	5.3	46
88	Membrane-based, sedimentation-assisted plasma separator for point-of-care applications. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 10463-70	7.8	82
87	Decreased plasticity of coreceptor use by CD4-independent SIV Envs that emerge in vivo. <i>Retrovirology</i> , <b>2013</b> , 10, 133	3.6	10
86	The role of the lung microbiome in health and disease. A National Heart, Lung, and Blood Institute workshop report. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2013</b> , 187, 1382-7	10.2	113
85	Widespread colonization of the lung by <i>Tropheryma whippelii</i> in HIV infection. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2013</b> , 187, 1110-7	10.2	140
84	CD4+ T cells support production of simian immunodeficiency virus Env antibodies that enforce CD4-dependent entry and shape tropism in vivo. <i>Journal of Virology</i> , <b>2013</b> , 87, 9719-32	6.6	12
83	Antiviral effects of autologous CD4 T cells genetically modified with a conditionally replicating lentiviral vector expressing long antisense to HIV. <i>Blood</i> , <b>2013</b> , 121, 1524-33	2.2	76
82	Associating microbiome composition with environmental covariates using generalized UniFrac distances. <i>Bioinformatics</i> , <b>2012</b> , 28, 2106-13	7.2	520
81	Lung-enriched organisms and aberrant bacterial and fungal respiratory microbiota after lung transplant. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2012</b> , 186, 536-45	10.2	216
80	Innate lymphoid cells promote anatomical containment of lymphoid-resident commensal bacteria. <i>Science</i> , <b>2012</b> , 336, 1321-5	33.3	542
79	Retinoblastoma protein induction by HIV viremia or CCR5 in monocytes exposed to HIV-1 mediates protection from activation-induced apoptosis: ex vivo and in vitro study. <i>Journal of Leukocyte Biology</i> , <b>2012</b> , 92, 397-405	6.5	5
78	Cloning and analysis of sooty mangabey alternative coreceptors that support simian immunodeficiency virus SIVsmm entry independently of CCR5. <i>Journal of Virology</i> , <b>2012</b> , 86, 898-908	6.6	28
77	Assessing bacterial populations in the lung by replicate analysis of samples from the upper and lower respiratory tracts. <i>PLoS ONE</i> , <b>2012</b> , 7, e42786	3.7	102

76	Topographical continuity of bacterial populations in the healthy human respiratory tract. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2011</b> , 184, 957-63	10.2	693
75	Response: absence of CCR5 intracellular pools in most CD4 and CD8 T cells. <i>Blood</i> , <b>2011</b> , 118, 1179-1179	2.2	1
74	Innate lymphoid cells promote lung-tissue homeostasis after infection with influenza virus. <i>Nature Immunology</i> , <b>2011</b> , 12, 1045-1054	19.1	1012
73	Bayesian community-wide culture-independent microbial source tracking. <i>Nature Methods</i> , <b>2011</b> , 8, 761-761	31.6	777
72	Low levels of SIV infection in sooty mangabey central memory CD4 <sup>hi</sup> T cells are associated with limited CCR5 expression. <i>Nature Medicine</i> , <b>2011</b> , 17, 830-6	50.5	173
71	R5X4 HIV-1 coreceptor use in primary target cells: implications for coreceptor entry blocking strategies. <i>Journal of Translational Medicine</i> , <b>2011</b> , 9 Suppl 1, S3	8.5	10
70	Depletion of CD4 <sup>+</sup> T cells abrogates post-peak decline of viremia in SIV-infected rhesus macaques. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 4433-45	15.9	94
69	Innate lymphoid cells promote lung-tissue homeostasis after infection with influenza virus. <i>Nature Immunology</i> , <b>2011</b> , 12, 1045-54	19.1	681
68	A novel CCR5 mutation common in sooty mangabeys reveals SIVsmm infection of CCR5-null natural hosts and efficient alternative coreceptor use in vivo. <i>PLoS Pathogens</i> , <b>2010</b> , 6, e1001064	7.6	81
67	Measurement of antiretroviral drugs in the lungs of HIV-infected patients. <i>HIV Therapy</i> , <b>2010</b> , 4, 247-251		12
66	Constrained use of CCR5 on CD4 <sup>+</sup> lymphocytes by R5X4 HIV-1: efficiency of Env-CCR5 interactions and low CCR5 expression determine a range of restricted CCR5-mediated entry. <i>Virology</i> , <b>2010</b> , 402, 135-48	3.6	11
65	Disordered microbial communities in the upper respiratory tract of cigarette smokers. <i>PLoS ONE</i> , <b>2010</b> , 5, e15216	3.7	262
64	Circulating monocytes in HIV-1-infected viremic subjects exhibit an antiapoptosis gene signature and virus- and host-mediated apoptosis resistance. <i>Journal of Immunology</i> , <b>2009</b> , 182, 4459-70	5.3	74
63	An arrestin-dependent multi-kinase signaling complex mediates MIP-1 $\beta$ /CCL4 signaling and chemotaxis of primary human macrophages. <i>Journal of Leukocyte Biology</i> , <b>2009</b> , 86, 833-45	6.5	57
62	Adaptive mutations in a human immunodeficiency virus type 1 envelope protein with a truncated V3 loop restore function by improving interactions with CD4. <i>Journal of Virology</i> , <b>2009</b> , 83, 11005-15	6.6	27
61	Heterosexual transmission of human immunodeficiency virus type 1 subtype C: Macrophage tropism, alternative coreceptor use, and the molecular anatomy of CCR5 utilization. <i>Journal of Virology</i> , <b>2009</b> , 83, 8208-20	6.6	93
60	CNS inflammation and macrophage/microglial biology associated with HIV-1 infection. <i>Journal of NeuroImmune Pharmacology</i> , <b>2009</b> , 4, 430-47	6.9	144
59	Baseline resistance of primary human immunodeficiency virus type 1 strains to the CXCR4 inhibitor AMD3100. <i>Journal of Virology</i> , <b>2008</b> , 82, 11695-704	6.6	17

58	Transition from long-term nonprogression to HIV-1 disease associated with escape from cellular immune control. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2008</b> , 48, 119-26	3.1	13
57	Monocyte migration and LFA-1-mediated attachment to brain microvascular endothelia is regulated by SDF-1 alpha through Lyn kinase. <i>Journal of Immunology</i> , <b>2008</b> , 181, 4632-7	5.3	33
56	Signaling mechanism of HIV-1 gp120 and virion-induced IL-1beta release in primary human macrophages. <i>Journal of Immunology</i> , <b>2008</b> , 180, 6675-84	5.3	64
55	Effect of highly active antiretroviral therapy on viral burden in the lungs of HIV-infected subjects. <i>Journal of Infectious Diseases</i> , <b>2008</b> , 197, 109-16	7	40
54	BCR-ABL1 alters SDF-1alpha-mediated adhesive responses through the beta2 integrin LFA-1 in leukemia cells. <i>Blood</i> , <b>2008</b> , 111, 5182-6	2.2	21
53	Entry coreceptor use and fusion inhibitor T20 sensitivity of dual-tropic R5X4 HIV-1 in primary macrophage infection. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2008</b> , 47, 285-92	3.1	9
52	HIV-1 coreceptor preference is distinct from target cell tropism: a dual-parameter nomenclature to define viral phenotypes. <i>Journal of Leukocyte Biology</i> , <b>2006</b> , 80, 965-72	6.5	65
51	Advances in macrophage and dendritic cell biology in HIV-1 infection stress key understudied areas in infection, pathogenesis, and analysis of viral reservoirs. <i>Journal of Leukocyte Biology</i> , <b>2006</b> , 80, 961-4	6.5	38
50	The Src kinase Lyn is required for CCR5 signaling in response to MIP-1beta and R5 HIV-1 gp120 in human macrophages. <i>Blood</i> , <b>2006</b> , 108, 1145-50	2.2	51
49	HIV-1 gp120-induced TNF- $\alpha$ production by primary human macrophages is mediated by phosphatidylinositol-3 (PI-3) kinase and mitogen-activated protein (MAP) kinase pathways. <i>Journal of Leukocyte Biology</i> , <b>2005</b> , 78, 1016-23	6.5	64
48	Preferential use of CXCR4 by R5X4 human immunodeficiency virus type 1 isolates for infection of primary lymphocytes. <i>Journal of Virology</i> , <b>2005</b> , 79, 1480-6	6.6	48
47	Chemokine receptor utilization and macrophage signaling by human immunodeficiency virus type 1 gp120: Implications for neuropathogenesis. <i>Journal of NeuroVirology</i> , <b>2004</b> , 10, 91-96	3.9	1
46	Chemokine receptor utilization and macrophage signaling by human immunodeficiency virus type 1 gp120: Implications for neuropathogenesis. <i>Journal of NeuroVirology</i> , <b>2004</b> , 10 Suppl 1, 91-6	3.9	41
45	Chemokine receptor utilization and macrophage signaling by human immunodeficiency virus type 1 gp120: Implications for neuropathogenesis. <i>Journal of NeuroVirology</i> , <b>2004</b> , 10, 91-96	3.9	37
44	HIV-1 entry inhibitors: closing the front door. <i>Expert Opinion on Therapeutic Targets</i> , <b>2004</b> , 8, 65-78	6.4	8
43	Differential regulation of host cellular genes by HIV-1 viral protein R (Vpr): cDNA microarray analysis using isogenic virus. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 314, 1126-32	3.4	19
42	Co-receptor antagonists as HIV-1 entry inhibitors. <i>Current Opinion in Infectious Diseases</i> , <b>2004</b> , 17, 7-16	5.4	69
41	Contrasting use of CCR5 structural determinants by R5 and R5X4 variants within a human immunodeficiency virus type 1 primary isolate quasispecies. <i>Journal of Virology</i> , <b>2003</b> , 77, 12057-66	6.6	9



40	HIV-1 gp120 chemokine receptor-mediated signaling in human macrophages. <i>Immunologic Research</i> , <b>2003</b> , 27, 261-76	4.3	31
39	An unusual syncytia-inducing human immunodeficiency virus type 1 primary isolate from the central nervous system that is restricted to CXCR4, replicates efficiently in macrophages, and induces neuronal apoptosis. <i>Journal of NeuroVirology</i> , <b>2003</b> , 9, 432-41	3.9	36
38	Role of HIV-1 Vpr in AIDS pathogenesis: relevance and implications of intravirion, intracellular and free Vpr. <i>Biomedicine and Pharmacotherapy</i> , <b>2003</b> , 57, 20-4	7.5	48
37	HIV and cells of macrophage/dendritic lineage and other non-T cell reservoirs: new answers yield new questions. <i>Journal of Leukocyte Biology</i> , <b>2003</b> , 74, 631-4	6.5	50
36	Potential role for CD63 in CCR5-mediated human immunodeficiency virus type 1 infection of macrophages. <i>Journal of Virology</i> , <b>2003</b> , 77, 3624-33	6.6	67
35	Macrophage activation through CCR5- and CXCR4-mediated gp120-elicited signaling pathways. <i>Journal of Leukocyte Biology</i> , <b>2003</b> , 74, 676-82	6.5	99
34	siRNA-directed inhibition of HIV-1 infection. <i>Nature Medicine</i> , <b>2002</b> , 8, 681-6	50.5	691
33	HIV-1 entry and entry inhibitors as therapeutic agents. <i>Clinics in Laboratory Medicine</i> , <b>2002</b> , 22, 681-701	2.1	28
32	HIV-1 gp120 and chemokine activation of Pyk2 and mitogen-activated protein kinases in primary macrophages mediated by calcium-dependent, pertussis toxin-insensitive chemokine receptor signaling. <i>Blood</i> , <b>2001</b> , 98, 2909-16	2.2	131
31	Coreceptor choice and T cell depletion by R5, X4, and R5X4 HIV-1 variants in CCR5-deficient (CCR5delta32) and normal human lymphoid tissue. <i>Virology</i> , <b>2001</b> , 281, 239-47	3.6	18
30	A CCR5/CXCR4-independent coreceptor pathway on human macrophages supports efficient SIV env-mediated fusion but not infection: implications for alternative pathways of viral entry. <i>Virology</i> , <b>2001</b> , 284, 142-51	3.6	4
29	Human immunodeficiency virus type 1 IIIB selected for replication in vivo exhibits increased envelope glycoproteins in virions without alteration in coreceptor usage: separation of in vivo replication from macrophage tropism. <i>Journal of Virology</i> , <b>2001</b> , 75, 8498-506	6.6	25
28	Concordant utilization of macrophage entry coreceptors by related variants within an HIV type 1 primary isolate viral swarm. <i>AIDS Research and Human Retroviruses</i> , <b>2001</b> , 17, 957-63	1.6	8
27	Chemokine-receptor activation by env determines the mechanism of death in HIV-infected and uninfected T lymphocytes. <i>Journal of Clinical Investigation</i> , <b>2001</b> , 107, 207-15	15.9	78
26	Heterogeneous spectrum of coreceptor usage among variants within a dualtropic human immunodeficiency virus type 1 primary-isolate quasispecies. <i>Journal of Virology</i> , <b>2000</b> , 74, 10229-35	6.6	46
25	A macrophage fusion assay for rapid screening of cloned HIV-1 Env using dual recombinant vaccinia viruses expressing distinct RNA polymerases. <i>Journal of Virological Methods</i> , <b>1999</b> , 81, 55-61	2.6	11
24	Persistent CCR5 utilization and enhanced macrophage tropism by primary blood human immunodeficiency virus type 1 isolates from advanced stages of disease and comparison to tissue-derived isolates. <i>Journal of Virology</i> , <b>1999</b> , 73, 9741-55	6.6	120
23	Patterns of chemokine receptor fusion cofactor utilization by human immunodeficiency virus type 1 variants from the lungs and blood. <i>Journal of Virology</i> , <b>1999</b> , 73, 6680-90	6.6	45

22	Role of CXCR4 in cell-cell fusion and infection of monocyte-derived macrophages by primary human immunodeficiency virus type 1 (HIV-1) strains: two distinct mechanisms of HIV-1 dual tropism. <i>Journal of Virology</i> , <b>1999</b> , 73, 7117-25	6.6	88
21	Preferential coreceptor utilization and cytopathicity by dual-tropic HIV-1 in human lymphoid tissue ex vivo. <i>Journal of Clinical Investigation</i> , <b>1999</b> , 104, R7-R11	15.9	79
20	CXCR-4 is expressed by primary macrophages and supports CCR5-independent infection by dual-tropic but not T-tropic isolates of human immunodeficiency virus type 1. <i>Journal of Virology</i> , <b>1998</b> , 72, 772-7	6.6	161
19	An orphan seven-transmembrane domain receptor expressed widely in the brain functions as a coreceptor for human immunodeficiency virus type 1 and simian immunodeficiency virus. <i>Journal of Virology</i> , <b>1998</b> , 72, 7934-40	6.6	154
18	Evidence that antibody-mediated neutralization of human immunodeficiency virus type 1 by sera from infected individuals is independent of coreceptor usage. <i>Journal of Virology</i> , <b>1998</b> , 72, 1886-93	6.6	65
17	Neutralizing antibodies in sera from macaques infected with chimeric simian-human immunodeficiency virus containing the envelope glycoproteins of either a laboratory-adapted variant or a primary isolate of human immunodeficiency virus type 1. <i>Journal of Virology</i> , <b>1998</b> , 72, 3427-31	6.6	62
16	Determinants of entry cofactor utilization and tropism in a dualtropic human immunodeficiency virus type 1 primary isolate. <i>Journal of Virology</i> , <b>1998</b> , 72, 4478-84	6.6	82
15	Influence of the CCR2-V64I polymorphism on human immunodeficiency virus type 1 coreceptor activity and on chemokine receptor function of CCR2b, CCR3, CCR5, and CXCR4. <i>Journal of Virology</i> , <b>1998</b> , 72, 7450-8	6.6	113
14	CCR5 genotypes in sexually active couples discordant for human immunodeficiency virus type 1 infection status. <i>Journal of Infectious Diseases</i> , <b>1997</b> , 176, 1093-6	7	57
13	Chemokine receptors and HIV. <i>Journal of Leukocyte Biology</i> , <b>1997</b> , 62, 20-9	6.5	104
12	A dual-tropic primary HIV-1 isolate that uses fusin and the beta-chemokine receptors CKR-5, CKR-3, and CKR-2b as fusion cofactors. <i>Cell</i> , <b>1996</b> , 85, 1149-58	56.2	1688
11	Regions in beta-chemokine receptors CCR5 and CCR2b that determine HIV-1 cofactor specificity. <i>Cell</i> , <b>1996</b> , 87, 437-46	56.2	298
10	Resistance to HIV-1 infection in caucasian individuals bearing mutant alleles of the CCR-5 chemokine receptor gene. <i>Nature</i> , <b>1996</b> , 382, 722-5	50.4	2449
9	Human immunodeficiency virus type 1 causes productive infection of macrophages in primary placental cell cultures. <i>Journal of Infectious Diseases</i> , <b>1994</b> , 169, 746-53	7	59
8	Distinct effects in primary macrophages and lymphocytes of the human immunodeficiency virus type 1 accessory genes vpr, vpu, and nef: mutational analysis of a primary HIV-1 isolate. <i>Virology</i> , <b>1994</b> , 200, 623-31	3.6	206
7	HIV-1 pseudotype virus containing a Cocal virus genome and an HIV envelope: construction, assay and use. <i>Journal of Virological Methods</i> , <b>1993</b> , 44, 287-304	2.6	8
6	HIV-1 Tat alters normal organization of neurons and astrocytes in primary rodent brain cell cultures: RGD sequence dependence. <i>AIDS Research and Human Retroviruses</i> , <b>1993</b> , 9, 677-85	1.6	61
5	Human immunodeficiency virus type 1 tropism for human macrophages. <i>Pathobiology</i> , <b>1992</b> , 60, 213-8	3.6	8

4	Acquired immune deficiency syndrome and the lung. <i>Chest</i> , <b>1988</b> , 94, 155-64	53	45
3	George Dennis: A 35-Year-Old African American Man with AIDS62-70		1
2	Marginal Effects of Systemic CCR5 Blockade with Maraviroc on Oral Simian Immunodeficiency Virus Transmission to Infant Macaques		1
1	Evolutionary Trajectories of SARS-CoV-2 Alpha and Delta Variants in White-Tailed Deer in Pennsylvania		2