

# Ronald G Collman

## List of Publications by Year in descending order

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171  
papers

22,360  
citations

20759

60  
h-index

9073

144  
g-index

181  
all docs

181  
docs citations

181  
times ranked

24067  
citing authors

#	ARTICLE	IF	CITATIONS
1	Resistance to HIV-1 infection in Caucasian individuals bearing mutant alleles of the CCR-5 chemokine receptor gene. <i>Nature</i> , 1996, 382, 722-725.	13.7	2,782
2	A Dual-Tropic Primary HIV-1 Isolate That Uses Fusin and the $\hat{I}^2$ -Chemokine Receptors CKR-5, CKR-3, and CKR-2b as Fusion Cofactors. <i>Cell</i> , 1996, 85, 1149-1158.	13.5	1,967
3	Bayesian community-wide culture-independent microbial source tracking. <i>Nature Methods</i> , 2011, 8, 761-763.	9.0	1,284
4	Gene Editing of <i>CCR5</i> in Autologous CD4 T Cells of Persons Infected with HIV. <i>New England Journal of Medicine</i> , 2014, 370, 901-910.	13.9	1,227
5	Innate lymphoid cells promote lung-tissue homeostasis after infection with influenza virus. <i>Nature Immunology</i> , 2011, 12, 1045-1054.	7.0	1,211
6	Topographical Continuity of Bacterial Populations in the Healthy Human Respiratory Tract. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 184, 957-963.	2.5	912
7	Innate lymphoid cells promote lung-tissue homeostasis after infection with influenza virus. <i>Nature Immunology</i> , 2011, 12, 1045-54.	7.0	875
8	Associating microbiome composition with environmental covariates using generalized UniFrac distances. <i>Bioinformatics</i> , 2012, 28, 2106-2113.	1.8	780
9	siRNA-directed inhibition of HIV-1 infection. <i>Nature Medicine</i> , 2002, 8, 681-686.	15.2	750
10	Innate Lymphoid Cells Promote Anatomical Containment of Lymphoid-Resident Commensal Bacteria. <i>Science</i> , 2012, 336, 1321-1325.	6.0	638
11	Enrichment of the lung microbiome with oral taxa is associated with lung inflammation of a Th17 phenotype. <i>Nature Microbiology</i> , 2016, 1, 16031.	5.9	436
12	Optimizing methods and dodging pitfalls in microbiome research. <i>Microbiome</i> , 2017, 5, 52.	4.9	420
13	Disordered Microbial Communities in the Upper Respiratory Tract of Cigarette Smokers. <i>PLoS ONE</i> , 2010, 5, e15216.	1.1	350
14	Regions in $\hat{I}^2$ -Chemokine Receptors CCR5 and CCR2b That Determine HIV-1 Cofactor Specificity. <i>Cell</i> , 1996, 87, 437-446.	13.5	339
15	Power and sample-size estimation for microbiome studies using pairwise distances and PERMANOVA. <i>Bioinformatics</i> , 2015, 31, 2461-2468.	1.8	326
16	Lung-enriched Organisms and Aberrant Bacterial and Fungal Respiratory Microbiota after Lung Transplant. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012, 186, 536-545.	2.5	275
17	Distinct Effects in Primary Macrophages and Lymphocytes of the Human Immunodeficiency Virus Type 1 Accessory Genes <i>vpr</i> , <i>vpu</i> , and <i>nef</i> : Mutational Analysis of a Primary HIV-1 Isolate. <i>Virology</i> , 1994, 200, 623-631.	1.1	263
18	Administration of nucleoside-modified mRNA encoding broadly neutralizing antibody protects humanized mice from HIV-1 challenge. <i>Nature Communications</i> , 2017, 8, 14630.	5.8	259

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19	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> , 2015, 112, 6688-6693.	3.3	219
20	Low levels of SIV infection in sooty mangabey central memory CD4+ T cells are associated with limited CCR5 expression. <i>Nature Medicine</i> , 2011, 17, 830-836.	15.2	206
21	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> , 1998, 72, 772-777.	1.5	185
22	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> , 1998, 72, 7934-7940.	1.5	183
23	Widespread Colonization of the Lung by <i>Tropheryma whippelii</i> in HIV Infection. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 187, 1110-1117.	2.5	175
24	CNS Inflammation and Macrophage/Microglial Biology Associated with HIV-1 Infection. <i>Journal of NeuroImmune Pharmacology</i> , 2009, 4, 430-447.	2.1	170
25	Composition and dynamics of the respiratory tract microbiome in intubated patients. <i>Microbiome</i> , 2016, 4, 7.	4.9	148
26	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> , 2001, 98, 2909-2916.	0.6	138
27	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> , 1998, 72, 7450-7458.	1.5	138
28	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> , 2013, 187, 1382-1387.	2.5	136
29	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> , 1999, 73, 9741-9755.	1.5	129
30	Improved characterization of medically relevant fungi in the human respiratory tract using next-generation sequencing. <i>Genome Biology</i> , 2014, 15, 487.	3.8	127
31	Chemokine receptors and HIV. <i>Journal of Leukocyte Biology</i> , 1997, 62, 20-29.	1.5	126
32	Assessing Bacterial Populations in the Lung by Replicate Analysis of Samples from the Upper and Lower Respiratory Tracts. <i>PLoS ONE</i> , 2012, 7, e42786.	1.1	126
33	Multicenter Comparison of Lung and Oral Microbiomes of HIV-infected and HIV-uninfected Individuals. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 1335-1344.	2.5	120
34	Macrophage activation through CCR5- and CXCR4-mediated gp120-elicited signaling pathways. <i>Journal of Leukocyte Biology</i> , 2003, 74, 676-682.	1.5	114
35	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> , 2014, 52, 2422-2429.	1.8	114
36	Depletion of CD4+ T cells abrogates post-peak decline of viremia in SIV-infected rhesus macaques. <i>Journal of Clinical Investigation</i> , 2011, 121, 4433-4445.	3.9	113

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37	CD4 Depletion in SIV-Infected Macaques Results in Macrophage and Microglia Infection with Rapid Turnover of Infected Cells. <i>PLoS Pathogens</i> , 2014, 10, e1004467.	2.1	109
38	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> , 2009, 83, 8208-8220.	1.5	106
39	Supraphysiologic control over HIV-1 replication mediated by CD8 T cells expressing a re-engineered CD4-based chimeric antigen receptor. <i>PLoS Pathogens</i> , 2017, 13, e1006613.	2.1	106
40	Miniaturized devices for point of care molecular detection of HIV. <i>Lab on A Chip</i> , 2017, 17, 382-394.	3.1	101
41	Membrane-Based, Sedimentation-Assisted Plasma Separator for Point-of-Care Applications. <i>Analytical Chemistry</i> , 2013, 85, 10463-10470.	3.2	100
42	Determinants of Entry Cofactor Utilization and Tropism in a Dualtropic Human Immunodeficiency Virus Type 1 Primary Isolate. <i>Journal of Virology</i> , 1998, 72, 4478-4484.	1.5	99
43	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> , 1999, 73, 7117-7125.	1.5	97
44	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> , 2010, 6, e1001064.	2.1	89
45	Chemokine-receptor activation by env determines the mechanism of death in HIV-infected and uninfected T lymphocytes. <i>Journal of Clinical Investigation</i> , 2001, 107, 207-215.	3.9	85
46	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> , 2009, 182, 4459-4470.	0.4	84
47	Antiviral effects of autologous CD4 T cells genetically modified with a conditionally replicating lentiviral vector expressing long antisense to HIV. <i>Blood</i> , 2013, 121, 1524-1533.	0.6	83
48	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> , 2019, 25, 719-729.e4.	5.1	83
49	Preferential coreceptor utilization and cytopathicity by dual-tropic HIV-1 in human lymphoid tissue ex vivo. <i>Journal of Clinical Investigation</i> , 1999, 104, R7-R11.	3.9	83
50	Co-receptor antagonists as HIV-1 entry inhibitors. <i>Current Opinion in Infectious Diseases</i> , 2004, 17, 7-16.	1.3	77
51	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> , 1998, 72, 1886-1893.	1.5	77
52	Signatures of COVID-19 Severity and Immune Response in the Respiratory Tract Microbiome. <i>MBio</i> , 2021, 12, e0177721.	1.8	74
53	HIV-1 coreceptor preference is distinct from target cell tropism: a dual-parameter nomenclature to define viral phenotypes. <i>Journal of Leukocyte Biology</i> , 2006, 80, 965-972.	1.5	73
54	Signaling Mechanism of HIV-1 gp120 and Virion-Induced IL-1 $\beta$ Release in Primary Human Macrophages. <i>Journal of Immunology</i> , 2008, 180, 6675-6684.	0.4	73

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55	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> , 1998, 72, 3427-3431.	1.5	73
56	Human Immunodeficiency Virus Type 1 Causes Productive Infection of Macrophages in Primary Placental Cell Cultures. <i>Journal of Infectious Diseases</i> , 1994, 169, 746-753.	1.9	70
57	Potential Role for CD63 in CCR5-Mediated Human Immunodeficiency Virus Type 1 Infection of Macrophages. <i>Journal of Virology</i> , 2003, 77, 3624-3633.	1.5	70
58	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> , 1993, 9, 677-685.	0.5	67
59	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> , 2005, 78, 1016-1023.	1.5	67
60	CCR5 Genotypes in Sexually Active Couples Discordant for Human Immunodeficiency Virus Type 1 Infection Status. <i>Journal of Infectious Diseases</i> , 1997, 176, 1093-1096.	1.9	66
61	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> , 2009, 86, 833-845.	1.5	64
62	Rationale and Design of the Genomic Research in Alpha-1 Antitrypsin Deficiency and Sarcoidosis (GRADS) Study. <i>Sarcoidosis Protocol. Annals of the American Thoracic Society</i> , 2015, 12, 1561-1571.	1.5	64
63	The lung microbiome: progress and promise. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	64
64	Detection of SARS-CoV-2 RNA using RT-LAMP and molecular beacons. <i>Genome Biology</i> , 2021, 22, 169.	3.8	61
65	Microbial Lineages in Sarcoidosis. A Metagenomic Analysis Tailored for Low- $\alpha$ Microbial Content Samples. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 225-234.	2.5	59
66	HIV and cells of macrophage/dendritic lineage and other non-T cell reservoirs: new answers yield new questions. <i>Journal of Leukocyte Biology</i> , 2003, 74, 631-634.	1.5	58
67	Divergent CD4+ T Memory Stem Cell Dynamics in Pathogenic and Nonpathogenic Simian Immunodeficiency Virus Infections. <i>Journal of Immunology</i> , 2014, 192, 4666-4673.	0.4	57
68	Patterns of Chemokine Receptor Fusion Cofactor Utilization by Human Immunodeficiency Virus Type 1 Variants from the Lungs and Blood. <i>Journal of Virology</i> , 1999, 73, 6680-6690.	1.5	56
69	Heightened resistance to host type 1 interferons characterizes HIV-1 at transmission and after antiretroviral therapy interruption. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	54
70	Role of HIV-1 Vpr in AIDS pathogenesis: relevance and implications of intravirion, intracellular and free Vpr. <i>Biomedicine and Pharmacotherapy</i> , 2003, 57, 20-24.	2.5	53
71	The Src kinase Lyn is required for CCR5 signaling in response to MIP-1 $\beta$ and R5 HIV-1 gp120 in human macrophages. <i>Blood</i> , 2006, 108, 1145-1150.	0.6	53
72	Preferential Use of CXCR4 by R5X4 Human Immunodeficiency Virus Type 1 Isolates for Infection of Primary Lymphocytes. <i>Journal of Virology</i> , 2005, 79, 1480-1486.	1.5	51

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73	Heterogeneous Spectrum of Coreceptor Usage among Variants within a Dualtropic Human Immunodeficiency Virus Type 1 Primary-Isolate Quasispecies. <i>Journal of Virology</i> , 2000, 74, 10229-10235.	1.5	50
74	Effect of Highly Active Antiretroviral Therapy on Viral Burden in the Lungs of HIV-1 Infected Subjects. <i>Journal of Infectious Diseases</i> , 2008, 197, 109-116.	1.9	50
75	Acquired Immune Deficiency Syndrome and the Lung. <i>Chest</i> , 1988, 94, 155-164.	0.4	48
76	Chemokine receptor utilization and macrophage signaling by human immunodeficiency virus type 1 gp120: Implications for neuropathogenesis. <i>Journal of NeuroVirology</i> , 2004, 10, 91-96.	1.0	45
77	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> , 2015, 89, 9252-9261.	1.5	45
78	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> , 2014, 10, e1003958.	2.1	43
79	Pathogenesis of Aging and Age-related Comorbidities in People with HIV: Highlights from the HIV ACTION Workshop. <i>Pathogens and Immunity</i> , 2020, 5, 143.	1.4	42
80	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> , 2006, 80, 961-964.	1.5	41
81	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> , 2008, 181, 4632-4637.	0.4	40
82	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> , 2003, 9, 432-441.	1.0	39
83	Chemokine receptor utilization and macrophage signaling by human immunodeficiency virus type 1 gp120: Implications for neuropathogenesis. <i>Journal of NeuroVirology</i> , 2004, 10, 91-96.	1.0	39
84	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> , 2022, 30, 1966-1978.	3.7	39
85	Cytomegalovirus Latent Infection is Associated with an Increased Risk of COVID-19-Related Hospitalization. <i>Journal of Infectious Diseases</i> , 2022, 226, 463-473.	1.9	39
86	Characterisation of the nasal microbiota in granulomatosis with polyangiitis. <i>Annals of the Rheumatic Diseases</i> , 2018, 77, 1448-1453.	0.5	37
87	Single- and Two-Stage, Closed-Tube, Point-of-Care, Molecular Detection of SARS-CoV-2. <i>Analytical Chemistry</i> , 2021, 93, 13063-13071.	3.2	37
88	Viruses, periodontitis, and comorbidities. <i>Periodontology 2000</i> , 2022, 89, 190-206.	6.3	37
89	Differences in the rate of nicotine metabolism among smokers with and without HIV. <i>Aids</i> , 2019, 33, 1083-1088.	1.0	36
90	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> , 2015, 89, 8130-8151.	1.5	35

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91	Placebo-controlled randomized clinical trial testing the efficacy and safety of varenicline for smokers with HIV. <i>Drug and Alcohol Dependence</i> , 2019, 200, 26-33.	1.6	34
92	HIV-1 gp120 Chemokine Receptor-Mediated Signaling in Human Macrophages. <i>Immunologic Research</i> , 2003, 27, 261-276.	1.3	32
93	HIV-1 envelope receptor interactions required for macrophage infection and implications for current HIV-1 cure strategies. <i>Journal of Leukocyte Biology</i> , 2013, 95, 71-81.	1.5	31
94	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> , 2009, 83, 11005-11015.	1.5	30
95	The Lung Microbiome in Idiopathic Pulmonary Fibrosis. What Does It Mean and What Should We Do about It?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 850-852.	2.5	30
96	Bidirectional transfer of Anelloviridae lineages between graft and host during lung transplantation. <i>American Journal of Transplantation</i> , 2019, 19, 1086-1097.	2.6	30
97	Cloning and Analysis of Sooty Mangabey Alternative Coreceptors That Support Simian Immunodeficiency Virus SIVsmm Entry Independently of CCR5. <i>Journal of Virology</i> , 2012, 86, 898-908.	1.5	29
98	Application of Omics and Systems Biology to Sarcoidosis Research. <i>Annals of the American Thoracic Society</i> , 2017, 14, S445-S451.	1.5	29
99	Allometry and Ecology of the Bilaterian Gut Microbiome. <i>MBio</i> , 2018, 9, .	1.8	29
100	Transcriptomics of bronchoalveolar lavage cells identifies new molecular endotypes of sarcoidosis. <i>European Respiratory Journal</i> , 2021, 58, 2002950.	3.1	29
101	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> , 2001, 75, 8498-8506.	1.5	28
102	HIV-1 entry and entry inhibitors as therapeutic agents. <i>Clinics in Laboratory Medicine</i> , 2002, 22, 681-701.	0.7	28
103	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> , 2015, 89, 10656-10667.	1.5	28
104	Statin modulation of monocyte phenotype and function: implications for HIV-1-associated neurocognitive disorders. <i>Journal of NeuroVirology</i> , 2016, 22, 584-596.	1.0	28
105	T cell dynamics and response of the microbiota after gene therapy to treat X-linked severe combined immunodeficiency. <i>Genome Medicine</i> , 2018, 10, 70.	3.6	28
106	SARS-CoV-2 Genomic Variation in Space and Time in Hospitalized Patients in Philadelphia. <i>MBio</i> , 2021, 12, .	1.8	27
107	Molecular analysis of bacterial contamination on stethoscopes in an intensive care unit. <i>Infection Control and Hospital Epidemiology</i> , 2019, 40, 171-177.	1.0	25
108	Measurement of antiretroviral drugs in the lungs of HIV-infected patients. <i>HIV Therapy</i> , 2010, 4, 247-251.	0.6	24



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109	Persistent High Mortality in Advanced HIV/TB Despite Appropriate Antiretroviral and Antitubercular Therapy: an Emerging Challenge. <i>Current HIV/AIDS Reports</i> , 2015, 12, 107-116.	1.1	24
110	CXCR6-Mediated Simian Immunodeficiency Virus SIV <sub>agm</sub> Sab Entry into Sabaeus African Green Monkey Lymphocytes Implicates Widespread Use of Non-CCR5 Pathways in Natural Host Infections. <i>Journal of Virology</i> , 2017, 91, .	1.5	24
111	BCR-ABL1 alters SDF-1 $\alpha$ -mediated adhesive responses through the $\beta$ 2 integrin LFA-1 in leukemia cells. <i>Blood</i> , 2008, 111, 5182-5186.	0.6	22
112	CD4 receptor diversity in chimpanzees protects against SIV infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3229-3238.	3.3	21
113	Coreceptor Choice and T Cell Depletion by R5, X4, and R5X4 HIV-1 Variants in CCR5-Deficient (CCR5 $\Delta$ 32) and Normal Human Lymphoid Tissue. <i>Virology</i> , 2001, 281, 239-247.	1.1	20
114	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> , 2004, 314, 1126-1132.	1.0	19
115	Baseline Resistance of Primary Human Immunodeficiency Virus Type 1 Strains to the CXCR4 Inhibitor AMD3100. <i>Journal of Virology</i> , 2008, 82, 11695-11704.	1.5	17
116	The lung microbiome in lung transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2021, 40, 733-744.	0.3	17
117	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> , 2019, 16, 1383-1391.	1.5	16
118	Molecular analysis of the endobronchial stent microbial biofilm reveals bacterial communities that associate with stent material and frequent fungal constituents. <i>PLoS ONE</i> , 2019, 14, e0217306.	1.1	16
119	Debulking different Corona (SARS-CoV-2 delta, omicron, OC43) and Influenza (H1N1, H3N2) virus strains by plant viral trap proteins in chewing gums to decrease infection and transmission. <i>Biomaterials</i> , 2022, 288, 121671.	5.7	16
120	Decrease in Angiotensin-Converting Enzyme activity but not concentration in plasma/lungs in COVID-19 patients offers clues for diagnosis/treatment. <i>Molecular Therapy - Methods and Clinical Development</i> , 2022, 26, 266-278.	1.8	15
121	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> , 2008, 48, 119-126.	0.9	14
122	Coevolutionary dynamics between tribe Cercopithecini tetherins and their lentiviruses. <i>Scientific Reports</i> , 2015, 5, 16021.	1.6	14
123	Dynamic Changes in the Nasal Microbiome Associated With Disease Activity in Patients With Granulomatosis With Polyangiitis. <i>Arthritis and Rheumatology</i> , 2021, 73, 1703-1712.	2.9	14
124	Marginal Effects of Systemic CCR5 Blockade with Maraviroc on Oral Simian Immunodeficiency Virus Transmission to Infant Macaques. <i>Journal of Virology</i> , 2018, 92, .	1.5	13
125	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> , 2019, 80, e36-e40.	0.9	13
126	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> , 1999, 81, 55-61.	1.0	12



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127	CD4 <sup>+</sup> T Cells Support Production of Simian Immunodeficiency Virus Env Antibodies That Enforce CD4-Dependent Entry and Shape Tropism <i>In Vivo</i> . <i>Journal of Virology</i> , 2013, 87, 9719-9732.	1.5	12
128	Loss of CXCR6 coreceptor usage characterizes pathogenic lentiviruses. <i>PLoS Pathogens</i> , 2018, 14, e1007003.	2.1	12
129	Bidirectional Associations among Nicotine and Tobacco Smoke, NeuroHIV, and Antiretroviral Therapy. <i>Journal of NeuroImmune Pharmacology</i> , 2020, 15, 694-714.	2.1	12
130	Redondovirus Diversity and Evolution on Global, Individual, and Molecular Scales. <i>Journal of Virology</i> , 2021, 95, e0081721.	1.5	12
131	HIV-1 pseudotype virus containing a Cocal virus genome and an HIV envelope: construction, assay and use. <i>Journal of Virological Methods</i> , 1993, 44, 287-304.	1.0	11
132	Constrained use of CCR5 on CD4+ 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> , 2010, 402, 135-148.	1.1	11
133	Femtomolar SARS-CoV-2 Antigen Detection Using the Microbubbling Digital Assay with Smartphone Readout Enables Antigen Burden Quantitation and Tracking. <i>Clinical Chemistry</i> , 2021, 68, 230-239.	1.5	11
134	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> , 2019, 4, 324.	1.4	11
135	SARS-CoV-2 Variants Associated with Vaccine Breakthrough in the Delaware Valley through Summer 2021. <i>MBio</i> , 2022, 13, e0378821.	1.8	11
136	Human Immunodeficiency Virus Type 1 Tropism for Human Macrophages. <i>Pathobiology</i> , 1992, 60, 213-218.	1.9	10
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