

Ronald G Collman

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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	Resistance to HIV-1 infection in caucasian individuals bearing mutant alleles of the CCR-5 chemokine receptor gene. <i>Nature</i> , 1996 , 382, 722-5	50.4	2449
164	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> , 1996 , 85, 1149-58	56.2	1688
163	Gene editing of CCR5 in autologous CD4 T cells of persons infected with HIV. <i>New England Journal of Medicine</i> , 2014 , 370, 901-10	59.2	1018
162	Innate lymphoid cells promote lung-tissue homeostasis after infection with influenza virus. <i>Nature Immunology</i> , 2011 , 12, 1045-1054	19.1	1012
161	Bayesian community-wide culture-independent microbial source tracking. <i>Nature Methods</i> , 2011 , 8, 761-31.6	31.6	777
160	Topographical continuity of bacterial populations in the healthy human respiratory tract. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011 , 184, 957-63	10.2	693
159	siRNA-directed inhibition of HIV-1 infection. <i>Nature Medicine</i> , 2002 , 8, 681-6	50.5	691
158	Innate lymphoid cells promote lung-tissue homeostasis after infection with influenza virus. <i>Nature Immunology</i> , 2011 , 12, 1045-54	19.1	681
157	Innate lymphoid cells promote anatomical containment of lymphoid-resident commensal bacteria. <i>Science</i> , 2012 , 336, 1321-5	33.3	542
156	Associating microbiome composition with environmental covariates using generalized UniFrac distances. <i>Bioinformatics</i> , 2012 , 28, 2106-13	7.2	520
155	Regions in beta-chemokine receptors CCR5 and CCR2b that determine HIV-1 cofactor specificity. <i>Cell</i> , 1996 , 87, 437-46	56.2	298
154	Optimizing methods and dodging pitfalls in microbiome research. <i>Microbiome</i> , 2017 , 5, 52	16.6	273
153	Enrichment of the lung microbiome with oral taxa is associated with lung inflammation of a Th17 phenotype. <i>Nature Microbiology</i> , 2016 , 1, 16031	26.6	268
152	Disordered microbial communities in the upper respiratory tract of cigarette smokers. <i>PLoS ONE</i> , 2010 , 5, e15216	3.7	262
151	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, 536-45	10.2	216
150	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> , 1994 , 200, 623-31	3.6	206
149	Power and sample-size estimation for microbiome studies using pairwise distances and PERMANOVA. <i>Bioinformatics</i> , 2015 , 31, 2461-8	7.2	193

148	Administration of nucleoside-modified mRNA encoding broadly neutralizing antibody protects humanized mice from HIV-1 challenge. <i>Nature Communications</i> , 2017 , 8, 14630	17.4	179
147	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, 830-6	50.5	173
146	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, 772-7	6.6	161
145	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, 6688-93	11.5	159
144	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, 7934-40	6.6	154
143	CNS inflammation and macrophage/microglial biology associated with HIV-1 infection. <i>Journal of NeuroImmune Pharmacology</i> , 2009 , 4, 430-47	6.9	144
142	Widespread colonization of the lung by <i>Tropheryma whipplei</i> in HIV infection. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 187, 1110-7	10.2	140
141	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, 2909-16	2.2	131
140	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, 9741-55	6.6	120
139	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, 1382-7	10.2	113
138	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, 7450-8	6.6	113
137	Chemokine receptors and HIV. <i>Journal of Leukocyte Biology</i> , 1997 , 62, 20-9	6.5	104
136	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	3.7	102
135	Composition and dynamics of the respiratory tract microbiome in intubated patients. <i>Microbiome</i> , 2016 , 4, 7	16.6	100
134	Macrophage activation through CCR5- and CXCR4-mediated gp120-elicited signaling pathways. <i>Journal of Leukocyte Biology</i> , 2003 , 74, 676-82	6.5	99
133	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, 1335-44	10.2	97
132	Depletion of CD4 ⁺ T cells abrogates post-peak decline of viremia in SIV-infected rhesus macaques. <i>Journal of Clinical Investigation</i> , 2011 , 121, 4433-45	15.9	94
131	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, 8208-20	6.6	93

130	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, 2422-9	9.7	90
129	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, 7117-25	6.6	88
128	Membrane-based, sedimentation-assisted plasma separator for point-of-care applications. <i>Analytical Chemistry</i> , 2013 , 85, 10463-70	7.8	82
127	Determinants of entry cofactor utilization and tropism in a dualtropic human immunodeficiency virus type 1 primary isolate. <i>Journal of Virology</i> , 1998 , 72, 4478-84	6.6	82
126	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	7.6	81
125	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	7.6	80
124	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	15.9	79
123	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, 207-15	15.9	78
122	Improved characterization of medically relevant fungi in the human respiratory tract using next-generation sequencing. <i>Genome Biology</i> , 2014 , 15, 487	18.3	76
121	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, 1524-33	2.2	76
120	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, 4459-70	5.3	74
119	Miniaturized devices for point of care molecular detection of HIV. <i>Lab on A Chip</i> , 2017 , 17, 382-394	7.2	73
118	Co-receptor antagonists as HIV-1 entry inhibitors. <i>Current Opinion in Infectious Diseases</i> , 2004 , 17, 7-16	5.4	69
117	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	7.6	68
116	Potential role for CD63 in CCR5-mediated human immunodeficiency virus type 1 infection of macrophages. <i>Journal of Virology</i> , 2003 , 77, 3624-33	6.6	67
115	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, 965-72	6.5	65
114	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, 1886-93	6.6	65
113	Signaling mechanism of HIV-1 gp120 and virion-induced IL-1beta release in primary human macrophages. <i>Journal of Immunology</i> , 2008 , 180, 6675-84	5.3	64

112	HIV-1 gp120-induced TNF- α 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, 1016-23	6.5	64
111	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, 3427-31	6.6	62
110	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, 677-85	1.6	61
109	Human immunodeficiency virus type 1 causes productive infection of macrophages in primary placental cell cultures. <i>Journal of Infectious Diseases</i> , 1994 , 169, 746-53	7	59
108	An arrestin-dependent multi-kinase signaling complex mediates MIP-1 β /CCL4 signaling and chemotaxis of primary human macrophages. <i>Journal of Leukocyte Biology</i> , 2009 , 86, 833-45	6.5	57
107	CCR5 genotypes in sexually active couples discordant for human immunodeficiency virus type 1 infection status. <i>Journal of Infectious Diseases</i> , 1997 , 176, 1093-6	7	57
106	The Src kinase Lyn is required for CCR5 signaling in response to MIP-1 β and R5 HIV-1 gp120 in human macrophages. <i>Blood</i> , 2006 , 108, 1145-50	2.2	51
105	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, 631-4	6.5	50
104	Role of HIV-1 Vpr in AIDS pathogenesis: relevance and implications of intravirion, intracellular and free Vpr. <i>Biomedicine and Pharmacotherapy</i> , 2003 , 57, 20-4	7.5	48
103	Preferential use of CXCR4 by R5X4 human immunodeficiency virus type 1 isolates for infection of primary lymphocytes. <i>Journal of Virology</i> , 2005 , 79, 1480-6	6.6	48
102	Divergent CD4 ⁺ T memory stem cell dynamics in pathogenic and nonpathogenic simian immunodeficiency virus infections. <i>Journal of Immunology</i> , 2014 , 192, 4666-73	5.3	46
101	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, 10229-35	6.6	46
100	Acquired immune deficiency syndrome and the lung. <i>Chest</i> , 1988 , 94, 155-64	5.3	45
99	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, 6680-90	6.6	45
98	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> , 2015 , 12, 1561-71	4.7	42
97	Chemokine receptor utilization and macrophage signaling by human immunodeficiency virus type 1 gp120: Implications for neuropathogenesis. <i>Journal of NeuroVirology</i> , 2004 , 10 Suppl 1, 91-6	3.9	41
96	Effect of highly active antiretroviral therapy on viral burden in the lungs of HIV-infected subjects. <i>Journal of Infectious Diseases</i> , 2008 , 197, 109-16	7	40
95	Microbial Lineages in Sarcoidosis. A Metagenomic Analysis Tailored for Low-Microbial Content Samples. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 197, 225-234	10.2	39

94	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, 961-4	6.5	38
93	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	3.9	37
92	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	23.4	36
91	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, 432-41	3.9	36
90	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, 9252-61	6.6	35
89	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, 4632-7	5.3	33
88	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	7.6	32
87	HIV-1 gp120 chemokine receptor-mediated signaling in human macrophages. <i>Immunologic Research</i> , 2003 , 27, 261-76	4.3	31
86	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	6.6	28
85	HIV-1 entry and entry inhibitors as therapeutic agents. <i>Clinics in Laboratory Medicine</i> , 2002 , 22, 681-701	2.1	28
84	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, 11005-15	6.6	27
83	Detection of SARS-CoV-2 RNA using RT-LAMP and molecular beacons. <i>Genome Biology</i> , 2021 , 22, 169	18.3	26
82	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, 8498-506	6.6	25
81	Characterisation of the nasal microbiota in granulomatosis with polyangiitis. <i>Annals of the Rheumatic Diseases</i> , 2018 , 77, 1448-1453	2.4	23
80	HIV-1 envelope-receptor interactions required for macrophage infection and implications for current HIV-1 cure strategies. <i>Journal of Leukocyte Biology</i> , 2014 , 95, 71-81	6.5	23
79	Statin modulation of monocyte phenotype and function: implications for HIV-1-associated neurocognitive disorders. <i>Journal of NeuroVirology</i> , 2016 , 22, 584-596	3.9	22
78	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, 10656-67	6.6	21
77	BCR-ABL1 alters SDF-1alpha-mediated adhesive responses through the beta2 integrin LFA-1 in leukemia cells. <i>Blood</i> , 2008 , 111, 5182-6	2.2	21

76	Signatures of COVID-19 Severity and Immune Response in the Respiratory Tract Microbiome. <i>MBio</i> , 2021 , 12, e0177721	7.8	21
75	Persistent high mortality in advanced HIV/TB despite appropriate antiretroviral and antitubercular therapy: an emerging challenge. <i>Current HIV/AIDS Reports</i> , 2015 , 12, 107-16	5.9	20
74	Allometry and Ecology of the Bilaterian Gut Microbiome. <i>MBio</i> , 2018 , 9,	7.8	20
73	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, 8130-51	6.6	20
72	Application of "Omics" and Systems Biology to Sarcoidosis Research. <i>Annals of the American Thoracic Society</i> , 2017 , 14, S445-S451	4.7	19
71	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, 1126-32	3.4	19
70	Bidirectional transfer of Anelloviridae lineages between graft and host during lung transplantation. <i>American Journal of Transplantation</i> , 2019 , 19, 1086-1097	8.7	19
69	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	14.4	19
68	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> , 2017 , 91,	6.6	18
67	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> , 2001 , 281, 239-47	3.6	18
66	Differences in the rate of nicotine metabolism among smokers with and without HIV. <i>Aids</i> , 2019 , 33, 1083-1088	3.5	18
65	Baseline resistance of primary human immunodeficiency virus type 1 strains to the CXCR4 inhibitor AMD3100. <i>Journal of Virology</i> , 2008 , 82, 11695-704	6.6	17
64	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	4.9	16
63	Molecular analysis of bacterial contamination on stethoscopes in an intensive care unit. <i>Infection Control and Hospital Epidemiology</i> , 2019 , 40, 171-177	2	15
62	Pathogenesis of Aging and Age-related Comorbidities in People with HIV: Highlights from the HIV ACTION Workshop. <i>Pathogens and Immunity</i> , 2020 , 5, 143-174	4.9	14
61	Heightened resistance to host type 1 interferons characterizes HIV-1 at transmission and after antiretroviral therapy interruption. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	14
60	Coevolutionary dynamics between tribe Cercopithecini tetherins and their lentiviruses. <i>Scientific Reports</i> , 2015 , 5, 16021	4.9	13
59	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, 119-26	3.1	13

58	SARS-CoV-2 Genomic Variation in Space and Time in Hospitalized Patients in Philadelphia. <i>MBio</i> , 2021 , 12,	7.8	13
57	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	11.5	12
56	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> , 2013 , 87, 9719-32	6.6	12
55	Measurement of antiretroviral drugs in the lungs of HIV-infected patients. <i>HIV Therapy</i> , 2010 , 4, 247-251		12
54	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, 135-48	3.6	11
53	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	2.6	11
52	Bidirectional Associations among Nicotine and Tobacco Smoke, NeuroHIV, and Antiretroviral Therapy. <i>Journal of NeuroImmune Pharmacology</i> , 2020 , 15, 694-714	6.9	11
51	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 ^{3,1}		10
50	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	4.7	10
49	Decreased plasticity of coreceptor use by CD4-independent SIV Envs that emerge in vivo. <i>Retrovirology</i> , 2013 , 10, 133	3.6	10
48	R5X4 HIV-1 coreceptor use in primary target cells: implications for coreceptor entry blocking strategies. <i>Journal of Translational Medicine</i> , 2011 , 9 Suppl 1, S3	8.5	10
47	Single- and Two-Stage, Closed-Tube, Point-of-Care, Molecular Detection of SARS-CoV-2. <i>Analytical Chemistry</i> , 2021 , 93, 13063-13071	7.8	10
46	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	3.7	9
45	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> , 2008 , 47, 285-92	3.1	9
44	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> , 2003 , 77, 12057-66	6.6	9
43	Loss of CXCR6 coreceptor usage characterizes pathogenic lentiviruses. <i>PLoS Pathogens</i> , 2018 , 14, e1007903		9
42	Marginal Effects of Systemic CCR5 Blockade with Maraviroc on Oral Simian Immunodeficiency Virus Transmission to Infant Macaques. <i>Journal of Virology</i> , 2018 , 92,	6.6	9
41	The lung microbiome: progress and promise. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	9

40	A Summary of the First HIV Microbiome Workshop 2015. <i>AIDS Research and Human Retroviruses</i> , 2016 , 32, 935-941	1.6	8
39	HIV-1 entry inhibitors: closing the front door. <i>Expert Opinion on Therapeutic Targets</i> , 2004 , 8, 65-78	6.4	8
38	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> , 2001 , 17, 957-63	1.6	8
37	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	2.6	8
36	Human immunodeficiency virus type 1 tropism for human macrophages. <i>Pathobiology</i> , 1992 , 60, 213-8	3.6	8
35	Cytomegalovirus latent infection is associated with an increased risk of COVID-19-related hospitalization.. <i>Journal of Infectious Diseases</i> , 2022 ,	7	8
34	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> , 2014 , 90, 216-22	2.8	7
33	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, 324-362	4.9	7
32	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> , 2012 , 92, 397-405	6.5	5
31	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	9.5	5
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> , 2001 , 284, 142-51	3.6	4
29	Evaluation of a therapy for Idiopathic Chronic Enterocolitis in rhesus macaques () and linked microbial community correlates. <i>PeerJ</i> , 2018 , 6, e4612	3.1	4
28	SARS-CoV-2 Variants Associated with Vaccine Breakthrough in the Delaware Valley through Summer 2021.. <i>MBio</i> , 2022 , e0378821	7.8	3
27	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> , 2021 ,	11.7	3
26	Signatures of COVID-19 severity and immune response in the respiratory tract microbiome 2021 ,		3
25	Gene coexpression networks reveal novel molecular endotypes in alpha-1 antitrypsin deficiency. <i>Thorax</i> , 2021 , 76, 134-143	7.3	3
24	ICTV Virus Taxonomy Profile:. <i>Journal of General Virology</i> , 2021 , 102,	4.9	3
23	Femtomolar SARS-CoV-2 Antigen Detection Using the Microbubbling Digital Assay with Smartphone Readout Enables Antigen Burden Quantitation and Dynamics Tracking 2021 ,		3

22	SIV Coreceptor Specificity in Natural and Non-Natural Host Infection: Implications for Cell Targeting and Differential Outcomes from Infection. <i>Current HIV Research</i> , 2018 , 16, 41-51	1.3	3
21	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 ,	5.5	3
20	The effect of varenicline on mood and cognition in smokers with HIV. <i>Psychopharmacology</i> , 2020 , 237, 1223-1231	4.7	2
19	A Summary of the Fourth Annual Virology Education HIV Microbiome Workshop. <i>AIDS Research and Human Retroviruses</i> , 2020 , 36, 349-356	1.6	2
18	Transcriptomics of bronchoalveolar lavage cells identifies new molecular endotypes of sarcoidosis. <i>European Respiratory Journal</i> , 2021 , 58,	13.6	2
17	The lung microbiome in lung transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2021 , 40, 733-744	4.8	2
16	Redondovirus Diversity and Evolution on Global, Individual, and Molecular Scales. <i>Journal of Virology</i> , 2021 , 95, e0081721	6.6	2
15	Evolutionary Trajectories of SARS-CoV-2 Alpha and Delta Variants in White-Tailed Deer in Pennsylvania		2
14	Viruses, periodontitis, and comorbidities.. <i>Periodontology 2000</i> , 2022 ,	12.9	2
13	Response: absence of CCR5 intracellular pools in most CD4 and CD8 T cells. <i>Blood</i> , 2011 , 118, 1179-1179	2.2	1
12	George Dennis: A 35-Year-Old African American Man with AIDS	62-70	1
11	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	3.9	1
10	SARS-CoV-2 variants associated with vaccine breakthrough in the Delaware Valley through summer 2021	2021 ,	1
9	Marginal Effects of Systemic CCR5 Blockade with Maraviroc on Oral Simian Immunodeficiency Virus Transmission to Infant Macaques		1
8	Decreased Intestinal Microbiome Diversity in Pediatric Sepsis: A Conceptual Framework for Intestinal Dysbiosis to Influence Immunometabolic Function	2021 , 3, e0360	1
7	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> , 2021 , 118,	11.5	1
6	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> , 2021 , 146, 3234-3241	5	1
5	A Summary of the Fifth Annual Virology Education HIV Microbiome Workshop. <i>AIDS Research and Human Retroviruses</i> , 2020 , 36, 886-895	1.6	0

- 4 Epigenetic Landscape of HIV-1 Infection in Primary Human Macrophage.. *Journal of Virology*, **2022**, e0016222 ○
- 3 4167 Peri-transplant Lung Microbiome Reveal Oral Bacteria, Pepsin And Inflammatory Markers Co-associate With Primary Graft Dysfunction, Implicating Aspiration As A Potential Contributor. *Journal of Clinical and Translational Science*, **2020**, 4, 111-111 0.4
- 2 Detection of Microbial Agents in Oropharyngeal and Nasopharyngeal Samples of SARS-CoV-2 Patients. *Frontiers in Microbiology*, **2021**, 12, 637202 5.7
- 1 Lack of Atorvastatin Effect on Monocyte Gene Expression and Inflammatory Markers in HIV-1-infected ART-suppressed Individuals at Risk of non-AIDS Comorbidities. *Pathogens and Immunity*, **2021**, 6, 1-26 4.9