

Eric O Freed

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176
papers

10,662
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56
h-index

98
g-index

198
ext. papers

11,908
ext. citations

8
avg, IF

6.66
L-index

#	Paper	IF	Citations
176	HIV-1 gag proteins: diverse functions in the virus life cycle. <i>Virology</i> , 1998 , 251, 1-15	3.6	557
175	Phosphatidylinositol (4,5) bisphosphate regulates HIV-1 Gag targeting to the plasma membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 14889-94	11.5	388
174	Viral late domains. <i>Journal of Virology</i> , 2002 , 76, 4679-87	6.6	372
173	HIV-1 assembly, release and maturation. <i>Nature Reviews Microbiology</i> , 2015 , 13, 484-96	22.2	303
172	Overexpression of the N-terminal domain of TSG101 inhibits HIV-1 budding by blocking late domain function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 955-60	11.5	299
171	HIV-1 envelope glycoprotein biosynthesis, trafficking, and incorporation. <i>Journal of Molecular Biology</i> , 2011 , 410, 582-608	6.5	290
170	Retrovirus budding. <i>Virus Research</i> , 2004 , 106, 87-102	6.4	252
169	Cell-type-dependent targeting of human immunodeficiency virus type 1 assembly to the plasma membrane and the multivesicular body. <i>Journal of Virology</i> , 2004 , 78, 1552-63	6.6	223
168	Human apolipoprotein B mRNA-editing enzyme-catalytic polypeptide-like 3G (APOBEC3G) is incorporated into HIV-1 virions through interactions with viral and nonviral RNAs. <i>Journal of Biological Chemistry</i> , 2004 , 279, 35822-8	5.4	221
167	The role of human immunodeficiency virus type 1 envelope glycoproteins in virus infection. <i>Journal of Biological Chemistry</i> , 1995 , 270, 23883-6	5.4	216
166	Binding of human immunodeficiency virus type 1 Gag to membrane: role of the matrix amino terminus. <i>Journal of Virology</i> , 1999 , 73, 4136-44	6.6	206
165	Role of the Gag matrix domain in targeting human immunodeficiency virus type 1 assembly. <i>Journal of Virology</i> , 2000 , 74, 2855-66	6.6	198
164	Genetic evidence for an interaction between human immunodeficiency virus type 1 matrix and alpha-helix 2 of the gp41 cytoplasmic tail. <i>Journal of Virology</i> , 2000 , 74, 3548-54	6.6	181
163	A cell-penetrating helical peptide as a potential HIV-1 inhibitor. <i>Journal of Molecular Biology</i> , 2008 , 378, 565-80	6.5	175
162	The late domain of human immunodeficiency virus type 1 p6 promotes virus release in a cell type-dependent manner. <i>Journal of Virology</i> , 2002 , 76, 105-17	6.6	175
161	Real-time visualization of HIV-1 GAG trafficking in infected macrophages. <i>PLoS Pathogens</i> , 2008 , 4, e1000115	10.5	161
160	Distribution of ESCRT machinery at HIV assembly sites reveals virus scaffolding of ESCRT subunits. <i>Science</i> , 2014 , 343, 653-6	33.3	141

159	Multifunctional RNA nanoparticles. <i>Nano Letters</i> , 2014 , 14, 5662-71	11.5	136
158	HIV-1 replication. <i>Somatic Cell and Molecular Genetics</i> , 2001 , 26, 13-33		135
157	Regulation of human immunodeficiency virus type 1 Env-mediated membrane fusion by viral protease activity. <i>Journal of Virology</i> , 2004 , 78, 1026-31	6.6	133
156	Lipids and membrane microdomains in HIV-1 replication. <i>Virus Research</i> , 2009 , 143, 162-76	6.4	131
155	Beyond Tsg101: the role of Alix in 'ESCRTing' HIV-1. <i>Nature Reviews Microbiology</i> , 2007 , 5, 912-6	22.2	130
154	Ion-abrasion scanning electron microscopy reveals surface-connected tubular conduits in HIV-infected macrophages. <i>PLoS Pathogens</i> , 2009 , 5, e1000591	7.6	128
153	Structural basis for viral late-domain binding to Alix. <i>Nature Structural and Molecular Biology</i> , 2007 , 14, 194-9	17.6	126
152	Human immunodeficiency virus type 1 assembly, release, and maturation. <i>Advances in Pharmacology</i> , 2007 , 55, 347-87	5.7	125
151	Human immunodeficiency virus type 1 N-terminal capsid mutants that exhibit aberrant core morphology and are blocked in initiation of reverse transcription in infected cells. <i>Journal of Virology</i> , 2001 , 75, 9357-66	6.6	122
150	Role of lipid rafts in virus replication. <i>Advances in Virus Research</i> , 2005 , 64, 311-58	10.7	117
149	Role of matrix in an early postentry step in the human immunodeficiency virus type 1 life cycle. <i>Journal of Virology</i> , 1998 , 72, 4116-26	6.6	112
148	IFITM Proteins Restrict HIV-1 Infection by Antagonizing the Envelope Glycoprotein. <i>Cell Reports</i> , 2015 , 13, 145-156	10.6	109
147	Novel approaches to inhibiting HIV-1 replication. <i>Antiviral Research</i> , 2010 , 85, 119-41	10.8	107
146	Transport of human immunodeficiency virus type 1 pseudoviruses across the blood-brain barrier: role of envelope proteins and adsorptive endocytosis. <i>Journal of Virology</i> , 2001 , 75, 4681-91	6.6	101
145	Relationship between human immunodeficiency virus type 1 Gag multimerization and membrane binding. <i>Journal of Virology</i> , 2000 , 74, 5142-50	6.6	101
144	In vitro resistance to the human immunodeficiency virus type 1 maturation inhibitor PA-457 (Bevirimat). <i>Journal of Virology</i> , 2006 , 80, 10957-71	6.6	98
143	Point mutations in the HIV-1 matrix protein turn off the myristyl switch. <i>Journal of Molecular Biology</i> , 2007 , 366, 574-85	6.5	94
142	Defects in human immunodeficiency virus budding and endosomal sorting induced by TSG101 overexpression. <i>Journal of Virology</i> , 2003 , 77, 6507-19	6.6	91

141	HIV-1 infection of non-dividing cells. <i>Nature</i> , 1994 , 369, 107-8	50.4	90
140	HIV-1 maturation inhibitor bevirimat stabilizes the immature Gag lattice. <i>Journal of Virology</i> , 2011 , 85, 1420-8	6.6	85
139	Cellular motor protein KIF-4 associates with retroviral Gag. <i>Journal of Virology</i> , 1999 , 73, 10508-13	6.6	85
138	An Alix fragment potently inhibits HIV-1 budding: characterization of binding to retroviral YPXL late domains. <i>Journal of Biological Chemistry</i> , 2007 , 282, 3847-55	5.4	82
137	Structure of the myristylated human immunodeficiency virus type 2 matrix protein and the role of phosphatidylinositol-(4,5)-bisphosphate in membrane targeting. <i>Journal of Molecular Biology</i> , 2008 , 382, 434-47	6.5	80
136	HIV-1 and the host cell: an intimate association. <i>Trends in Microbiology</i> , 2004 , 12, 170-7	12.4	77
135	Association of human immunodeficiency virus type 1 gag with membrane does not require highly basic sequences in the nucleocapsid: use of a novel Gag multimerization assay. <i>Journal of Virology</i> , 2005 , 79, 14131-40	6.6	77
134	Depletion of cellular cholesterol inhibits membrane binding and higher-order multimerization of human immunodeficiency virus type 1 Gag. <i>Virology</i> , 2007 , 360, 27-35	3.6	76
133	The Role of Lipids in Retrovirus Replication. <i>Viruses</i> , 2010 , 2, 1146-1180	6.2	75
132	Functional role of Alix in HIV-1 replication. <i>Virology</i> , 2009 , 391, 284-92	3.6	69
131	New insights into HIV assembly and trafficking. <i>Physiology</i> , 2011 , 26, 236-51	9.8	65
130	Polymorphisms in Gag spacer peptide 1 confer varying levels of resistance to the HIV-1 maturation inhibitor bevirimat. <i>Retrovirology</i> , 2010 , 7, 36	3.6	65
129	Evidence that productive human immunodeficiency virus type 1 assembly can occur in an intracellular compartment. <i>Journal of Virology</i> , 2009 , 83, 5375-87	6.6	64
128	HIV type 1 Gag as a target for antiviral therapy. <i>AIDS Research and Human Retroviruses</i> , 2012 , 28, 54-75	1.6	61
127	Phosphorylation of residue 131 of HIV-1 matrix is not required for macrophage infection. <i>Cell</i> , 1997 , 88, 171-3; discussion 173-4	56.2	61
126	Late domain-dependent inhibition of equine infectious anemia virus budding. <i>Journal of Virology</i> , 2004 , 78, 724-32	6.6	61
125	The HIV-TSG101 interface: recent advances in a budding field. <i>Trends in Microbiology</i> , 2003 , 11, 56-9	12.4	60
124	TIM-family proteins inhibit HIV-1 release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E3699-707	11.5	57

123	Determinants of activity of the HIV-1 maturation inhibitor PA-457. <i>Virology</i> , 2006 , 356, 217-24	3.6	56
122	Structural and Molecular Determinants of Membrane Binding by the HIV-1 Matrix Protein. <i>Journal of Molecular Biology</i> , 2016 , 428, 1637-55	6.5	55
121	A mutation in the human immunodeficiency virus type 1 Gag protein destabilizes the interaction of the envelope protein subunits gp120 and gp41. <i>Journal of Virology</i> , 2006 , 80, 2405-17	6.6	55
120	Global rescue of defects in HIV-1 envelope glycoprotein incorporation: implications for matrix structure. <i>PLoS Pathogens</i> , 2013 , 9, e1003739	7.6	54
119	Functional replacement of a retroviral late domain by ubiquitin fusion. <i>Traffic</i> , 2008 , 9, 1972-83	5.7	54
118	A two-pronged structural analysis of retroviral maturation indicates that core formation proceeds by a disassembly-reassembly pathway rather than a displacive transition. <i>Journal of Virology</i> , 2013 , 87, 13655-64	6.6	53
117	Mutation of dileucine-like motifs in the human immunodeficiency virus type 1 capsid disrupts virus assembly, gag-gag interactions, gag-membrane binding, and virion maturation. <i>Journal of Virology</i> , 2006 , 80, 7939-51	6.6	52
116	Structure-based in silico identification of ubiquitin-binding domains provides insights into the ALIX-V:ubiquitin complex and retrovirus budding. <i>EMBO Journal</i> , 2013 , 32, 538-51	13	50
115	Virus maturation as a new HIV-1 therapeutic target. <i>Expert Opinion on Therapeutic Targets</i> , 2009 , 13, 895-908	6.4	50
114	Crystallographic and functional analysis of the ESCRT-I /HIV-1 Gag PTAP interaction. <i>Structure</i> , 2010 , 18, 1536-47	5.2	50
113	GGA and Arf proteins modulate retrovirus assembly and release. <i>Molecular Cell</i> , 2008 , 30, 227-38	17.6	50
112	MicroRNA binding to the HIV-1 Gag protein inhibits Gag assembly and virus production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E2676-83	11.5	49
111	Antiviral activity of Helical stapled peptides designed from the HIV-1 capsid dimerization domain. <i>Retrovirology</i> , 2011 , 8, 28	3.6	49
110	The capsid-spacer peptide 1 Gag processing intermediate is a dominant-negative inhibitor of HIV-1 maturation. <i>Virology</i> , 2010 , 400, 137-44	3.6	49
109	Inhibition of HIV-1 replication by amphotericin B methyl ester: selection for resistant variants. <i>Journal of Biological Chemistry</i> , 2006 , 281, 28699-711	5.4	49
108	Multiple Roles of HIV-1 Capsid during the Virus Replication Cycle. <i>Virologica Sinica</i> , 2019 , 34, 119-134	6.4	46
107	Human immunodeficiency virus type 1 N-terminal capsid mutants containing cores with abnormally high levels of capsid protein and virtually no reverse transcriptase. <i>Journal of Virology</i> , 2003 , 77, 12592-602	6.6	46
106	Structural and functional insights into the HIV-1 maturation inhibitor binding pocket. <i>PLoS Pathogens</i> , 2012 , 8, e1002997	7.6	44

105	Impact of human immunodeficiency virus type 1 resistance to protease inhibitors on evolution of resistance to the maturation inhibitor bevirimat (PA-457). <i>Journal of Virology</i> , 2009 , 83, 4884-94	6.6	43
104	The role of matrix in HIV-1 envelope glycoprotein incorporation. <i>Trends in Microbiology</i> , 2014 , 22, 372-8	12.4	42
103	Quenching protein dynamics interferes with HIV capsid maturation. <i>Nature Communications</i> , 2017 , 8, 1779	17.4	42
102	Hydrazone- and hydrazide-containing N-substituted glycines as peptoid surrogates for expedited library synthesis: application to the preparation of Tsg101-directed HIV-1 budding antagonists. <i>Organic Letters</i> , 2006 , 8, 5165-8	6.2	42
101	Rab27a controls HIV-1 assembly by regulating plasma membrane levels of phosphatidylinositol 4,5-bisphosphate. <i>Journal of Cell Biology</i> , 2015 , 209, 435-52	7.3	41
100	Biochemical evidence of a role for matrix trimerization in HIV-1 envelope glycoprotein incorporation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E182-90	11.5	41
99	The interdomain linker region of HIV-1 capsid protein is a critical determinant of proper core assembly and stability. <i>Virology</i> , 2011 , 421, 253-65	3.6	41
98	Inhibition of human immunodeficiency virus type 1 assembly and release by the cholesterol-binding compound amphotericin B methyl ester: evidence for Vpu dependence. <i>Journal of Virology</i> , 2008 , 82, 9776-81	6.6	40
97	HIV-1 escape from the entry-inhibiting effects of a cholesterol-binding compound via cleavage of gp41 by the viral protease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 8467-71	11.5	40
96	Molecular characterization of feline immunodeficiency virus budding. <i>Journal of Virology</i> , 2008 , 82, 21066-71	6.6	39
95	The cell biology of HIV-1 and other retroviruses. <i>Retrovirology</i> , 2006 , 3, 77	3.6	37
94	Virology. Rafting with Ebola. <i>Science</i> , 2002 , 296, 279	33.3	36
93	Myristate exposure in the human immunodeficiency virus type 1 matrix protein is modulated by pH. <i>Biochemistry</i> , 2010 , 49, 9551-62	3.2	35
92	Recent progress in antiretrovirals--lessons from resistance. <i>Drug Discovery Today</i> , 2008 , 13, 424-32	8.8	35
91	Site-specific mutations in HIV-1 gp41 reveal a correlation between HIV-1-mediated bystander apoptosis and fusion/hemifusion. <i>Journal of Biological Chemistry</i> , 2007 , 282, 16899-906	5.4	35
90	Alkyl Amine Bevirimat Derivatives Are Potent and Broadly Active HIV-1 Maturation Inhibitors. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 190-7	5.9	34
89	Macrophages and Cell-Cell Spread of HIV-1. <i>Viruses</i> , 2010 , 2, 1603-1620	6.2	34
88	HIV-1 Gag: flipped out for PI(4,5)P(2). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 11101-2	11.5	33

87	Cells induced to express a human immunodeficiency virus type 1 envelope gene mutant inhibit the spread of wild-type virus. <i>Human Gene Therapy</i> , 1992 , 3, 391-7	4.8	33
86	A single polymorphism in HIV-1 subtype C SP1 is sufficient to confer natural resistance to the maturation inhibitor bevirimat. <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 3324-9	5.9	32
85	The Use of Minimal RNA Toeholds to Trigger the Activation of Multiple Functionalities. <i>Nano Letters</i> , 2016 , 16, 1746-53	11.5	31
84	Cellular IP Levels Limit HIV Production while Viruses that Cannot Efficiently Package IP Are Attenuated for Infection and Replication. <i>Cell Reports</i> , 2019 , 29, 3983-3996.e4	10.6	31
83	Dual-acting stapled peptides target both HIV-1 entry and assembly. <i>Retrovirology</i> , 2013 , 10, 136	3.6	30
82	Photoinduced reactivity of the HIV-1 envelope glycoprotein with a membrane-embedded probe reveals insertion of portions of the HIV-1 Gp41 cytoplasmic tail into the viral membrane. <i>Biochemistry</i> , 2008 , 47, 1977-83	3.2	30
81	Identification of conserved residues in the human immunodeficiency virus type 1 principal neutralizing determinant that are involved in fusion. <i>AIDS Research and Human Retroviruses</i> , 1991 , 7, 807-11	1.6	29
80	Cleavage of the murine leukemia virus transmembrane env protein by human immunodeficiency virus type 1 protease: transdominant inhibition by matrix mutations. <i>Journal of Virology</i> , 1998 , 72, 9621-7	6.6	29
79	SAR by oxime-containing peptide libraries: application to Tsg101 ligand optimization. <i>ChemBioChem</i> , 2008 , 9, 2000-4	3.8	25
78	HIV-1 Maturation: Lessons Learned from Inhibitors. <i>Viruses</i> , 2020 , 12,	6.2	25
77	ARRDC1 as a mediator of microvesicle budding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 4025-6	11.5	24
76	Evidence of a role for soluble N-ethylmaleimide-sensitive factor attachment protein receptor (SNARE) machinery in HIV-1 assembly and release. <i>Journal of Biological Chemistry</i> , 2011 , 286, 29861-71	5.4	24
75	Reversion of a human immunodeficiency virus type 1 matrix mutation affecting Gag membrane binding, endogenous reverse transcriptase activity, and virus infectivity. <i>Journal of Virology</i> , 1999 , 73, 4728-37	6.6	24
74	Methods for the study of HIV-1 assembly. <i>Methods in Molecular Biology</i> , 2009 , 485, 163-84	1.4	24
73	Pravastatin does not have a consistent antiviral effect in chronically HIV-infected individuals on antiretroviral therapy. <i>Aids</i> , 2005 , 19, 1109-11	3.5	23
72	Single molecule fate of HIV-1 envelope reveals late-stage viral lattice incorporation. <i>Nature Communications</i> , 2018 , 9, 1861	17.4	22
71	Reevaluation of the requirement for TIP47 in human immunodeficiency virus type 1 envelope glycoprotein incorporation. <i>Journal of Virology</i> , 2013 , 87, 3561-70	6.6	22
70	Effects of Gag mutation and processing on retroviral dimeric RNA maturation. <i>Journal of Virology</i> , 2006 , 80, 1242-9	6.6	22

69	PSGL-1 restricts HIV-1 infectivity by blocking virus particle attachment to target cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 9537-9545	11.5	21
68	Identification of an HIV-1 Mutation in Spacer Peptide 1 That Stabilizes the Immature CA-SP1 Lattice. <i>Journal of Virology</i> , 2016 , 90, 972-8	6.6	21
67	HIV-1 Vpu accessory protein induces caspase-mediated cleavage of IRF3 transcription factor. <i>Journal of Biological Chemistry</i> , 2014 , 289, 35102-10	5.4	21
66	FIV Gag: virus assembly and host-cell interactions. <i>Veterinary Immunology and Immunopathology</i> , 2010 , 134, 3-13	2	21
65	Myosin-X is essential to the intercellular spread of HIV-1 Nef through tunneling nanotubes. <i>Journal of Cell Communication and Signaling</i> , 2019 , 13, 209-224	5.2	21
64	TIM-mediated inhibition of HIV-1 release is antagonized by Nef but potentiated by SERINC proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 5705-5714 ^{11.5} ²⁰	11.5	20
63	Mutations in the HIV-1 envelope glycoprotein can broadly rescue blocks at multiple steps in the virus replication cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 9040-9049	11.5	20
62	Complex I polymorphisms, bigenomic heterogeneity, and family history in Virginians with Parkinson's disease. <i>Journal of the Neurological Sciences</i> , 2006 , 247, 224-30	3.2	20
61	Analysis of HIV-1 envelope mutants and pseudotyping of replication-defective HIV-1 vectors by genetic complementation. <i>AIDS Research and Human Retroviruses</i> , 1992 , 8, 1669-77	1.6	19
60	HIV-1 gag: an emerging target for antiretroviral therapy. <i>Current Topics in Microbiology and Immunology</i> , 2015 , 389, 171-201	3.3	18
59	Elucidation of the Molecular Mechanism Driving Duplication of the HIV-1 PTAP Late Domain. <i>Journal of Virology</i> , 2016 , 90, 768-79	6.6	18
58	NMR structure of the myristylated feline immunodeficiency virus matrix protein. <i>Viruses</i> , 2015 , 7, 2210-29 2	6.2	17
57	Elucidating the mechanism by which compensatory mutations rescue an HIV-1 matrix mutant defective for gag membrane targeting and envelope glycoprotein incorporation. <i>Journal of Molecular Biology</i> , 2015 , 427, 1413-1427	6.5	17
56	Wild-type and YMDD mutant murine leukemia virus reverse transcriptases are resistant to 2',3'-dideoxy-3'-thiacytidine. <i>Journal of Virology</i> , 2000 , 74, 6669-74	6.6	17
55	The cytoplasmic tail of retroviral envelope glycoproteins. <i>Progress in Molecular Biology and Translational Science</i> , 2015 , 129, 253-84	4	16
54	Trimer Enhancement Mutation Effects on HIV-1 Matrix Protein Binding Activities. <i>Journal of Virology</i> , 2016 , 90, 5657-5664	6.6	16
53	Analysis of HIV-1 Matrix-Envelope Cytoplasmic Tail Interactions. <i>Journal of Virology</i> , 2019 , 93,	6.6	15
52	Anti-HIV-1 therapeutics: from FDA-approved drugs to hypothetical future targets. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2009 , 9, 70-4		15

51	Effect of mutations in the human immunodeficiency virus type 1 protease on cleavage of the gp41 cytoplasmic tail. <i>Journal of Virology</i> , 2010 , 84, 3121-6	6.6	14
50	Mechanisms of enveloped virus release. <i>Virus Research</i> , 2004 , 106, 85-6	6.4	14
49	Studies on the role of the V3 loop in human immunodeficiency virus type 1 envelope glycoprotein function. <i>AIDS Research and Human Retroviruses</i> , 1992 , 8, 1611-8	1.6	14
48	Mechanisms of HIV type 1-induced cognitive impairment: evidence for hippocampal cholinergic involvement with overstimulation of the VIPergic system by the viral coat protein core. <i>AIDS Research and Human Retroviruses</i> , 2002 , 18, 1189-95	1.6	13
47	Resistance to Second-Generation HIV-1 Maturation Inhibitors. <i>Journal of Virology</i> , 2019 , 93,	6.6	13
46	Identification of potent maturation inhibitors against HIV-1 clade C. <i>Scientific Reports</i> , 2016 , 6, 27403	4.9	12
45	Defects in cellular sorting and retroviral assembly induced by GGA overexpression. <i>BMC Cell Biology</i> , 2009 , 10, 72		12
44	HIV-1 Matrix Trimerization-Impaired Mutants Are Rescued by Matrix Substitutions That Enhance Envelope Glycoprotein Incorporation. <i>Journal of Virology</i> , 2019 , 94,	6.6	12
43	HIV-1 Gag trafficking. <i>Future HIV Therapy</i> , 2007 , 1, 427-438		11
42	Influenza virus not cRAFTy enough to dodge viperin. <i>Cell Host and Microbe</i> , 2007 , 2, 71-2	23.4	11
41	Application of ring-closing metathesis macrocyclization to the development of Tsg101-binding antagonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 318-21	2.9	10
40	Genomic tagging of endogenous human ESCRT-I complex preserves ESCRT-mediated membrane-remodeling functions. <i>Journal of Biological Chemistry</i> , 2019 , 294, 16266-16281	5.4	9
39	A stable immature lattice packages IP for HIV capsid maturation. <i>Science Advances</i> , 2021 , 7,	14.3	9
38	Elucidation of New Binding Interactions with the Tumor Susceptibility Gene 101 (Tsg101) Protein Using Modified HIV-1 Gag-p6 Derived Peptide Ligands. <i>ACS Medicinal Chemistry Letters</i> , 2011 , 2, 337-341 ^{4.3}		8
37	PSGL-1 Inhibits the Incorporation of SARS-CoV and SARS-CoV-2 Spike Glycoproteins into Pseudovirions and Impairs Pseudovirus Attachment and Infectivity. <i>Viruses</i> , 2020 , 13,	6.2	8
36	Identification of a Structural Element in HIV-1 Gag Required for Virus Particle Assembly and Maturation. <i>MBio</i> , 2018 , 9,	7.8	8
35	S-acylation of SARS-CoV-2 spike protein: Mechanistic dissection, in vitro reconstitution and role in viral infectivity. <i>Journal of Biological Chemistry</i> , 2021 , 297, 101112	5.4	8
34	The autophagy protein ATG9A promotes HIV-1 infectivity. <i>Retrovirology</i> , 2019 , 16, 18	3.6	7

33	In COS cells Vpu can both stabilize tetherin expression and counteract its antiviral activity. <i>PLoS ONE</i> , 2014 , 9, e111628	3.7	7
32	A second-site suppressor significantly improves the defective phenotype imposed by mutation of an aromatic residue in the N-terminal domain of the HIV-1 capsid protein. <i>Virology</i> , 2007 , 359, 105-15	3.6	7
31	High-Mannose But Not Complex-Type Glycosylation of Tetherin Is Required for Restriction of HIV-1 Release. <i>Viruses</i> , 2018 , 10,	6.2	7
30	Generation and validation of a highly sensitive bioluminescent HIV-1 reporter vector that simplifies measurement of virus release. <i>Retrovirology</i> , 2020 , 17, 12	3.6	6
29	Targeting the HIV entry, assembly and release pathways for anti-HIV gene therapy. <i>Virology</i> , 2011 , 415, 95-106	3.6	6
28	Mechanism of Viral Glycoprotein Targeting by Membrane-Associated RING-CH Proteins. <i>MBio</i> , 2021 , 12,	7.8	6
27	The Vpu-interacting Protein SGTA Regulates Expression of a Non-glycosylated Tetherin Species. <i>Scientific Reports</i> , 2016 , 6, 24934	4.9	6
26	Mutations in the feline immunodeficiency virus envelope glycoprotein confer resistance to a dominant-negative fragment of Tsg101 by enhancing infectivity and cell-to-cell virus transmission. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014 , 1838, 1143-52	3.8	5
25	Viral latency and potential eradication of HIV-1. <i>Expert Review of Anti-Infective Therapy</i> , 2012 , 10, 855-7	5.5	5
24	CryoET structures of immature HIV Gag reveal six-helix bundle. <i>Communications Biology</i> , 2021 , 4, 481	6.7	5
23	Authentication Analysis of MT-4 Cells Distributed by the National Institutes of Health AIDS Reagent Program. <i>Journal of Virology</i> , 2019 , 93,	6.6	5
22	SERINC proteins potentiate antiviral type I IFN production and proinflammatory signaling pathways. <i>Science Signaling</i> , 2021 , 14, eabc7611	8.8	4
21	Mechanistic Analysis of the Broad Antiretroviral Resistance Conferred by HIV-1 Envelope Glycoprotein Mutations. <i>MBio</i> , 2021 , 12,	7.8	4
20	"Expand and Click": A New Method for Labeling HIV-1 Envelope Glycoproteins. <i>Cell Chemical Biology</i> , 2017 , 24, 548-550	8.2	3
19	Heavy metal protease takes a tiki torch to HIV assembly. <i>Nature Immunology</i> , 2019 , 20, 668-669	19.1	3
18	The viral protein U (Vpu)-interacting host protein ATP6V0C down-regulates cell-surface expression of tetherin and thereby contributes to HIV-1 release. <i>Journal of Biological Chemistry</i> , 2020 , 295, 7327-7340	5.4	3
17	A Triazinone Derivative Inhibits HIV-1 Replication by Interfering with Reverse Transcriptase Activity. <i>ChemMedChem</i> , 2016 , 11, 2320-2326	3.7	3
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