

# Frank Kirchhoff

## List of Publications by Year in Descending Order

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

273  
papers

12,119  
citations

57  
h-index

100  
g-index

287  
ext. papers

13,864  
ext. citations

10.6  
avg, IF

6.32  
L-index

#	Paper	IF	Citations
273	Omicron: what makes the latest SARS-CoV-2 variant of concern so concerning?. <i>Journal of Virology</i> , <b>2022</b> , jvi0207721	6.3	7
272	Interferon antagonists encoded by SARS-CoV-2 at a glance.. <i>Medical Microbiology and Immunology</i> , <b>2022</b> , 1	3.9	0
271	Modular Hydrogel/Mesoporous Silica Nanoparticle Constructs for Therapy and Diagnostics. <i>Advanced NanoBiomed Research</i> , <b>2022</b> , 2, 2100125	0	
270	Endogenous Peptide Inhibitors of HIV Entry.. <i>Advances in Experimental Medicine and Biology</i> , <b>2022</b> , 1366, 65-85	3.4	
269	The Transmembrane Protease TMPRSS2 as a Therapeutic Target for COVID-19 Treatment.. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23,	6	1
268	SARS-CoV-2 Vaccination boosts Neutralizing Activity against Seasonal Human Coronaviruses.. <i>Clinical Infectious Diseases</i> , <b>2022</b> ,	11.3	2
267	Detection of the HIV-1 accessory proteins Nef and Vpu by flow cytometry represents a new tool to study their functional interplay within a single infected CD4+ T cell.. <i>Journal of Virology</i> , <b>2022</b> , jvi0192921	6.3	1
266	SARS-CoV-2 Variants of Concern Hijack IFITM2 for Efficient Replication in Human Lung Cells.. <i>Journal of Virology</i> , <b>2022</b> , e0059422	6.3	0
265	An optimized derivative of an endogenous CXCR4 antagonist prevents atopic dermatitis and airway inflammation. <i>Acta Pharmaceutica Sinica B</i> , <b>2021</b> , 11, 2694-2708	15.1	7
264	HIV-1 Nef counteracts autophagy restriction by enhancing the association between BECN1 and its inhibitor BCL2 in a PRKN-dependent manner. <i>Autophagy</i> , <b>2021</b> , 17, 553-577	9.9	14
263	IFITM proteins promote SARS-CoV-2 infection and are targets for virus inhibition in vitro. <i>Nature Communications</i> , <b>2021</b> , 12, 4584	16.9	31
262	Manipulation of autophagy by SARS-CoV-2 proteins. <i>Autophagy</i> , <b>2021</b> , 17, 2659-2661	9.9	16
261	APOBEC3F Constitutes a Barrier to Successful Cross-Species Transmission of Simian Immunodeficiency Virus SIVsmm to Humans. <i>Journal of Virology</i> , <b>2021</b> , 95, e0080821	6.3	2
260	An additional NF- $\kappa$ B site allows HIV-1 subtype C to evade restriction by nuclear PYHIN proteins. <i>Cell Reports</i> , <b>2021</b> , 36, 109735	10.3	
259	Computational modeling and experimental validation of the EPI-X4/CXCR4 complex allows rational design of small peptide antagonists. <i>Communications Biology</i> , <b>2021</b> , 4, 1113	6.5	1
258	The HIV-1 accessory protein Nef increases surface expression of the checkpoint receptor Tim-3 in infected CD4 T cells. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 297, 101042	5.1	3
257	Natural cystatin C fragments inhibit GPR15-mediated HIV and SIV infection without interfering with GPR15L signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.2	2

256	Evolutionary conflicts and adverse effects of antiviral factors. <i>ELife</i> , <b>2021</b> , 10,	8.6	5
255	Supramolecular Peptide Nanofibrils with Optimized Sequences and Molecular Structures for Efficient Retroviral Transduction. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2009382	15.4	2
254	SIV-induced terminally differentiated adaptive NK cells in lymph nodes associated with enhanced MHC-E restricted activity. <i>Nature Communications</i> , <b>2021</b> , 12, 1282	16.9	5
253	SARS-CoV-2 infects and replicates in cells of the human endocrine and exocrine pancreas. <i>Nature Metabolism</i> , <b>2021</b> , 3, 149-165	14.2	157
252	IFI16 knockdown in primary HIV-1 target cells. <i>STAR Protocols</i> , <b>2021</b> , 2, 100236	1.3	1
251	Alpha-1 antitrypsin inhibits TMPRSS2 protease activity and SARS-CoV-2 infection. <i>Nature Communications</i> , <b>2021</b> , 12, 1726	16.9	28
250	SERINC5 Can Enhance Proinflammatory Cytokine Production by Primary Human Myeloid Cells in Response to Challenge with HIV-1 Particles. <i>Journal of Virology</i> , <b>2021</b> , 95,	6.3	2
249	Structural basis for GTP-induced dimerization and antiviral function of guanylate-binding proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.2	3
248	Systematic functional analysis of SARS-CoV-2 proteins uncovers viral innate immune antagonists and remaining vulnerabilities. <i>Cell Reports</i> , <b>2021</b> , 35, 109126	10.3	56
247	When good turns bad: how viruses exploit innate immunity factors. <i>Current Opinion in Virology</i> , <b>2021</b> , 52, 60-67	7.2	1
246	Spike residue 403 affects binding of coronavirus spikes to human ACE2. <i>Nature Communications</i> , <b>2021</b> , 12, 6855	16.9	3
245	Evolutionary plasticity of SH3 domain binding by Nef proteins of the HIV-1/SIVcpz lentiviral lineage. <i>PLoS Pathogens</i> , <b>2021</b> , 17, e1009728	7.4	0
244	Heterologous ChAdOx1 nCoV-19 and BNT162b2 prime-boost vaccination elicits potent neutralizing antibody responses and T cell reactivity against prevalent SARS-CoV-2 variants.. <i>EBioMedicine</i> , <b>2021</b> , 75, 103761	8.6	23
243	Less is more: Biased loss of CpG dinucleotides strengthens antiviral immunity. <i>PLoS Biology</i> , <b>2021</b> , 19, e3001353	9.5	1
242	Luciferase reporter assays to monitor interferon signaling modulation by SARS-CoV-2 proteins. <i>STAR Protocols</i> , <b>2021</b> , 2, 100781	1.3	1
241	HIV-1 infection activates endogenous retroviral promoters regulating antiviral gene expression. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 10890-10908	19.4	13
240	Real-Time Killing Assays to Assess the Potency of a New Anti-Simian Immunodeficiency Virus Chimeric Antigen Receptor T Cell. <i>AIDS Research and Human Retroviruses</i> , <b>2020</b> , 36, 998-1009	1.5	1
239	Vpu modulates DNA repair to suppress innate sensing and hyper-integration of HIV-1. <i>Nature Microbiology</i> , <b>2020</b> , 5, 1247-1261	25.9	6

238	Convergent Evolution of HLA-C Downmodulation in HIV-1 and HIV-2. <i>MBio</i> , <b>2020</b> , 11,	7.6	3
237	Structural basis for translational shutdown and immune evasion by the Nsp1 protein of SARS-CoV-2. <i>Science</i> , <b>2020</b> , 369, 1249-1255	32.2	334
236	Peptide and peptide-based inhibitors of SARS-CoV-2 entry. <i>Advanced Drug Delivery Reviews</i> , <b>2020</b> , 167, 47-65	17.9	56
235	Nuclear PYHIN proteins target the host transcription factor Sp1 thereby restricting HIV-1 in human macrophages and CD4+ T cells. <i>PLoS Pathogens</i> , <b>2020</b> , 16, e1008752	7.4	12
234	An improved method for high-throughput quantification of autophagy in mammalian cells. <i>Scientific Reports</i> , <b>2020</b> , 10, 12241	4.7	7
233	In Vitro Evaluation of a Peptide-Mesoporous Silica Nanoparticle Drug Release System against HIV-1. <i>Inorganics</i> , <b>2020</b> , 8, 42	2.8	1
232	SARS-CoV-2 Is Restricted by Zinc Finger Antiviral Protein despite Preadaptation to the Low-CpG Environment in Humans. <i>MBio</i> , <b>2020</b> , 11,	7.6	55
231	Emerging Role of PYHIN Proteins as Antiviral Restriction Factors. <i>Viruses</i> , <b>2020</b> , 12,	5.9	1
230	The HIV-1 Env gp120 Inner Domain Shapes the Phe43 Cavity and the CD4 Binding Site. <i>MBio</i> , <b>2020</b> , 11,	7.6	12
229	CpG Frequency in the 5Qthird of the Gene Determines Sensitivity of Primary HIV-1 Strains to the Zinc-Finger Antiviral Protein. <i>MBio</i> , <b>2020</b> , 11,	7.6	26
228	Nef-Mediated CD3-TCR Downmodulation Dampens Acute Inflammation and Promotes SIV Immune Evasion. <i>Cell Reports</i> , <b>2020</b> , 30, 2261-2274.e7	10.3	4
227	Loss of Nef-mediated CD3 down-regulation in the HIV-1 lineage increases viral infectivity and spread. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 7382-7391	11.2	4
226	Cellular Factors Targeting HIV-1 Transcription and Viral RNA Transcripts. <i>Viruses</i> , <b>2020</b> , 12,	5.9	8
225	A Placenta Derived C-Terminal Fragment of Hemoglobin With Combined Antibacterial and Antiviral Activity. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 508	5.5	15
224	HIV-1 Vpu Downregulates Tim-3 from the Surface of Infected CD4 T Cells. <i>Journal of Virology</i> , <b>2020</b> , 94,	6.3	10
223	Detection of SARS-CoV-2 in human breastmilk. <i>Lancet, The</i> , <b>2020</b> , 395, 1757-1758	36.3	229
222	N4BP1 restricts HIV-1 and its inactivation by MALT1 promotes viral reactivation. <i>Nature Microbiology</i> , <b>2019</b> , 4, 1532-1544	25.9	32
221	Upregulation of BST-2 by Type I Interferons Reduces the Capacity of Vpu To Protect HIV-1-Infected Cells from NK Cell Responses. <i>MBio</i> , <b>2019</b> , 10,	7.6	4

220	IFI16 Targets the Transcription Factor Sp1 to Suppress HIV-1 Transcription and Latency Reactivation. <i>Cell Host and Microbe</i> , <b>2019</b> , 25, 858-872.e13	22.9	35
219	Potential roles of Nef and Vpu in HIV-1 latency. <i>Future Virology</i> , <b>2019</b> , 14, 227-236	2.3	2
218	Guanylate-Binding Proteins 2 and 5 Exert Broad Antiviral Activity by Inhibiting Furin-Mediated Processing of Viral Envelope Proteins. <i>Cell Reports</i> , <b>2019</b> , 27, 2092-2104.e10	10.3	52
217	HIV-1 Vpu is a potent transcriptional suppressor of NF- $\kappa$ B-elicited antiviral immune responses. <i>ELife</i> , <b>2019</b> , 8,	8.6	28
216	Primary HIV-1 Strains Use Nef To Downmodulate HLA-E Surface Expression. <i>Journal of Virology</i> , <b>2019</b> , 93,	6.3	7
215	Structural Basis for Tetherin Antagonism as a Barrier to Zoonotic Lentiviral Transmission. <i>Cell Host and Microbe</i> , <b>2019</b> , 26, 359-368.e8	22.9	19
214	Repeated semen exposure decreases cervicovaginal SIVmac251 infection in rhesus macaques. <i>Nature Communications</i> , <b>2019</b> , 10, 3753	16.9	3
213	Key Viral Adaptations Preceding the AIDS Pandemic. <i>Cell Host and Microbe</i> , <b>2019</b> , 25, 27-38	22.9	37
212	Multilayered and versatile inhibition of cellular antiviral factors by HIV and SIV accessory proteins. <i>Cytokine and Growth Factor Reviews</i> , <b>2018</b> , 40, 3-12	17.6	39
211	Species-specific host factors rather than virus-intrinsic virulence determine primate lentiviral pathogenicity. <i>Nature Communications</i> , <b>2018</b> , 9, 1371	16.9	12
210	Interferons and beyond: Induction of antiretroviral restriction factors. <i>Journal of Leukocyte Biology</i> , <b>2018</b> , 103, 465-477	6.3	18
209	Human-Specific Adaptations in Vpu Conferring Anti-tetherin Activity Are Critical for Efficient Early HIV-1 Replication In Vivo. <i>Cell Host and Microbe</i> , <b>2018</b> , 23, 110-120.e7	22.9	24
208	Sooty mangabey genome sequence provides insight into AIDS resistance in a natural SIV host. <i>Nature</i> , <b>2018</b> , 553, 77-81	47.5	57
207	Resistance of Major Histocompatibility Complex Class B (MHC-B) to Nef-Mediated Downregulation Relative to that of MHC-A Is Conserved among Primate Lentiviruses and Influences Antiviral T Cell Responses in HIV-1-Infected Individuals. <i>Journal of Virology</i> , <b>2018</b> , 92,	6.3	10
206	Exploiting the human peptidome for novel antimicrobial and anticancer agents. <i>Bioorganic and Medicinal Chemistry</i> , <b>2018</b> , 26, 2719-2726	3.2	19
205	The Antiviral Activity of the Cellular Glycoprotein LGALS3BP/90K Is Species Specific. <i>Journal of Virology</i> , <b>2018</b> , 92,	6.3	12
204	Reduced Susceptibility to VIRIP-Based HIV-1 Entry Inhibitors Has a High Genetic Barrier and Severe Fitness Costs. <i>Journal of Virology</i> , <b>2018</b> , 92,	6.3	7
203	HIV-1 Nefs Are Cargo-Sensitive AP-1 Trimerization Switches in Tetherin Downregulation. <i>Cell</i> , <b>2018</b> , 174, 659-671.e14	54.6	27

202	Preadaptation of Simian Immunodeficiency Virus SIVsmm Facilitated Env-Mediated Counteraction of Human Tetherin by Human Immunodeficiency Virus Type 2. <i>Journal of Virology</i> , <b>2018</b> , 92,	6.3	8
201	Uninfected Bystander Cells Impact the Measurement of HIV-Specific Antibody-Dependent Cellular Cytotoxicity Responses. <i>MBio</i> , <b>2018</b> , 9,	7.6	57
200	SIVcol Nef counteracts SERINC5 by promoting its proteasomal degradation but does not efficiently enhance HIV-1 replication in human CD4+ T cells and lymphoid tissue. <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1007269	7.4	17
199	Molecular Control of HIV and SIV Latency. <i>Current Topics in Microbiology and Immunology</i> , <b>2018</b> , 417, 1-22	3.2	10
198	Primate lentiviruses use at least three alternative strategies to suppress NF- $\kappa$ B-mediated immune activation. <i>PLoS Pathogens</i> , <b>2017</b> , 13, e1006598	7.4	25
197	Semen amyloids participate in spermatozoa selection and clearance. <i>ELife</i> , <b>2017</b> , 6,	8.6	42
196	Endocytic sorting motif interactions involved in Nef-mediated downmodulation of CD4 and CD3. <i>Nature Communications</i> , <b>2017</b> , 8, 442	16.9	20
195	HIV-1-Mediated Downmodulation of HLA-C Impacts Target Cell Recognition and Antiviral Activity of NK Cells. <i>Cell Host and Microbe</i> , <b>2017</b> , 22, 111-119.e4	22.9	22
194	Primate Lentiviruses Modulate NF- $\kappa$ B Activity by Multiple Mechanisms to Fine-Tune Viral and Cellular Gene Expression. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 198	5.5	20
193	Guanylate binding protein 5: Impairing virion infectivity by targeting retroviral envelope glycoproteins. <i>Small GTPases</i> , <b>2017</b> , 8, 31-37	2.6	22
192	Efficient Vpu-Mediated Tetherin Antagonism by an HIV-1 Group O Strain. <i>Journal of Virology</i> , <b>2017</b> , 91,	6.3	8
191	Synthesis of Peptide-Functionalized Poly(bis-sulfone) Copolymers Regulating HIV-1 Entry and Cancer Stem Cell Migration. <i>ACS Macro Letters</i> , <b>2017</b> , 6, 241-246	6.5	7
190	BST-2 Expression Modulates Small CD4-Mimetic Sensitization of HIV-1-Infected Cells to Antibody-Dependent Cellular Cytotoxicity. <i>Journal of Virology</i> , <b>2017</b> , 91,	6.3	30
189	Generation and Characterization of Virus-Enhancing Peptide Nanofibrils Functionalized with Fluorescent Labels. <i>Bioconjugate Chemistry</i> , <b>2017</b> , 28, 1260-1270	6.1	4
188	The Potency of Nef-Mediated SERINC5 Antagonism Correlates with the Prevalence of Primate Lentiviruses in the Wild. <i>Cell Host and Microbe</i> , <b>2016</b> , 20, 381-391	22.9	67
187	Vpu-Mediated Counteraction of Tetherin Is a Major Determinant of HIV-1 Interferon Resistance. <i>MBio</i> , <b>2016</b> , 7,	7.6	34
186	Endogenous TRIM5 $\alpha$ Function Is Regulated by SUMOylation and Nuclear Sequestration for Efficient Innate Sensing in Dendritic Cells. <i>Cell Reports</i> , <b>2016</b> , 14, 355-69	10.3	24
185	A Highly Conserved Residue of the HIV-1 gp120 Inner Domain Is Important for Antibody-Dependent Cellular Cytotoxicity Responses Mediated by Anti-cluster A Antibodies. <i>Journal of Virology</i> , <b>2016</b> , 90, 2127-34	6.3	54

184	Guanylate Binding Protein (GBP) 5 Is an Interferon-Inducible Inhibitor of HIV-1 Infectivity. <i>Cell Host and Microbe</i> , <b>2016</b> , 19, 504-14	22.9	129
183	Combating HIV: what the human peptidome offers. <i>Future Virology</i> , <b>2016</b> , 11, 167-170	2.3	
182	HIV replication: a game of hide and sense. <i>Current Opinion in HIV and AIDS</i> , <b>2016</b> , 11, 173-81	4.1	23
181	Differential Control of BST2 Restriction and Plasmacytoid Dendritic Cell Antiviral Response by Antagonists Encoded by HIV-1 Group M and O Strains. <i>Journal of Virology</i> , <b>2016</b> , 90, 10236-10246	6.3	9
180	IFITMs: Important Factors In Trans-Mission of HIV-1. <i>Cell Host and Microbe</i> , <b>2016</b> , 20, 407-408	22.9	2
179	HIV Triggers a cGAS-Dependent, Vpu- and Vpr-Regulated Type I Interferon Response in CD4 T Cells. <i>Cell Reports</i> , <b>2016</b> , 17, 413-424	10.3	44
178	Lymphocryptovirus-dependent occurrence of lymphoma in SIV-infected rhesus macaques with particular consideration to two uncommon cases of non-Hodgkin's lymphoma. <i>Primate Biology</i> , <b>2016</b> , 3, 65-75	0.9	2
177	Discovery and characterization of an endogenous CXCR4 antagonist. <i>Cell Reports</i> , <b>2015</b> , 11, 737-47	10.3	58
176	Immune evasion activities of accessory proteins Vpu, Nef and Vif are conserved in acute and chronic HIV-1 infection. <i>Virology</i> , <b>2015</b> , 482, 72-8	3.5	12
175	CD4+ T cell-derived IL-21 and deprivation of CD40 signaling favor the in vivo development of granzyme B-expressing regulatory B cells in HIV patients. <i>Journal of Immunology</i> , <b>2015</b> , 194, 3768-77	5.2	48
174	Early Vertebrate Evolution of the Host Restriction Factor Tetherin. <i>Journal of Virology</i> , <b>2015</b> , 89, 12154-65	6.3	20
173	SnapShot: antiviral restriction factors. <i>Cell</i> , <b>2015</b> , 163, 774-774.e1	54.6	61
172	Frequencies of lymphoid T-follicular helper cells obtained longitudinally by lymph node fine-needle aspiration correlate significantly with viral load in SIV-infected rhesus monkeys. <i>Journal of Medical Primatology</i> , <b>2015</b> , 44, 253-62	0.7	5
171	Modest attenuation of HIV-1 Vpu alleles derived from elite controller plasma. <i>PLoS ONE</i> , <b>2015</b> , 10, e0120434	9.4	12
170	Identification of potential HIV restriction factors by combining evolutionary genomic signatures with functional analyses. <i>Retrovirology</i> , <b>2015</b> , 12, 41	3.4	61
169	Differential regulation of NF- $\kappa$ B-mediated proviral and antiviral host gene expression by primate lentiviral Nef and Vpu proteins. <i>Cell Reports</i> , <b>2015</b> , 10, 586-99	10.3	76
168	Sandwich enzyme-linked immunosorbent assay for the quantification of human serum albumin fragment 408-423 in bodily fluids. <i>Analytical Biochemistry</i> , <b>2015</b> , 476, 29-35	3	17
167	Lentiviral Nef proteins manipulate T cells in a subset-specific manner. <i>Journal of Virology</i> , <b>2015</b> , 89, 19866-2001	6.3	10

166	Increased susceptibility of CD4+ T cells from elderly individuals to HIV-1 infection and apoptosis is associated with reduced CD4 and enhanced CXCR4 and FAS surface expression levels. <i>Retrovirology</i> , <b>2015</b> , 12, 86	3.4	8
165	Involvement of a C-terminal motif in the interference of primate lentiviral Vpu proteins with CD1d-mediated antigen presentation. <i>Scientific Reports</i> , <b>2015</b> , 5, 9675	4.7	12
164	A molecular tweezer antagonizes seminal amyloids and HIV infection. <i>ELife</i> , <b>2015</b> , 4,	8.6	54
163	Limited HIV infection of central memory and stem cell memory CD4+ T cells is associated with lack of progression in viremic individuals. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004345	7.4	60
162	Properties of Human and Simian Immunodeficiency Viruses <b>2014</b> , 69-84		2
161	Semen enhances HIV infectivity and impairs the antiviral efficacy of microbicides. <i>Science Translational Medicine</i> , <b>2014</b> , 6, 262ra157	16.9	54
160	Lentiviral Nef suppresses iron uptake in a strain specific manner through inhibition of Transferrin endocytosis. <i>Retrovirology</i> , <b>2014</b> , 11, 1	3.4	25
159	Direct visualization of HIV-enhancing endogenous amyloid fibrils in human semen. <i>Nature Communications</i> , <b>2014</b> , 5, 3508	16.9	73
158	Viremic long-term nonprogressive HIV-1 infection is not associated with abnormalities in known Nef functions. <i>Retrovirology</i> , <b>2014</b> , 11, 13	3.4	9
157	Premature activation of the SLX4 complex by Vpr promotes G2/M arrest and escape from innate immune sensing. <i>Cell</i> , <b>2014</b> , 156, 134-45	54.6	153
156	HIV-1 accessory proteins: Nef. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1087, 115-23	1.4	1
155	Nef proteins of epidemic HIV-1 group O strains antagonize human tetherin. <i>Cell Host and Microbe</i> , <b>2014</b> , 16, 639-50	22.9	58
154	Discovery of modulators of HIV-1 infection from the human peptidome. <i>Nature Reviews Microbiology</i> , <b>2014</b> , 12, 715-22	21.4	24
153	TRIM proteins regulate autophagy and can target autophagic substrates by direct recognition. <i>Developmental Cell</i> , <b>2014</b> , 30, 394-409	9.7	210
152	Liquefaction of semen generates and later degrades a conserved semenogelin peptide that enhances HIV infection. <i>Journal of Virology</i> , <b>2014</b> , 88, 7221-34	6.3	39
151	Peptide nanofibrils as enhancers of retroviral gene transfer. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2014</b> , 6, 438-51	8.8	22
150	Link between primate lentiviral coreceptor usage and Nef function. <i>Cell Reports</i> , <b>2013</b> , 5, 997-1009	10.3	9
149	First steps toward a globally effective HIV/AIDS vaccine. <i>Cell</i> , <b>2013</b> , 155, 495-7	54.6	8

148	Emerging role of the host restriction factor tetherin in viral immune sensing. <i>Journal of Molecular Biology</i> , <b>2013</b> , 425, 4956-64	6.3	52
147	A rare missense variant abrogates the signaling activity of tetherin/BST-2 without affecting its effect on virus release. <i>Retrovirology</i> , <b>2013</b> , 10, 85	3.4	19
146	Effect of semen and seminal amyloid on vaginal transmission of simian immunodeficiency virus. <i>Retrovirology</i> , <b>2013</b> , 10, 148	3.4	32
145	Primate lentiviral Nef proteins deregulate T-cell development by multiple mechanisms. <i>Retrovirology</i> , <b>2013</b> , 10, 137	3.4	4
144	Peptide nanofibrils boost retroviral gene transfer and provide a rapid means for concentrating viruses. <i>Nature Nanotechnology</i> , <b>2013</b> , 8, 130-6	28	101
143	HIV-1 Vpu affects the anterograde transport and the glycosylation pattern of NTB-A. <i>Virology</i> , <b>2013</b> , 440, 190-203	3.5	25
142	90K, an interferon-stimulated gene product, reduces the infectivity of HIV-1. <i>Retrovirology</i> , <b>2013</b> , 10, 111	3.4	29
141	The transmembrane domain of HIV-1 Vpu is sufficient to confer anti-tetherin activity to SIVcpz and SIVgor Vpu proteins: cytoplasmic determinants of Vpu function. <i>Retrovirology</i> , <b>2013</b> , 10, 32	3.4	14
140	The efficiency of Vpx-mediated SAMHD1 antagonism does not correlate with the potency of viral control in HIV-2-infected individuals. <i>Retrovirology</i> , <b>2013</b> , 10, 27	3.4	17
139	HIV-1 Vpu does not degrade interferon regulatory factor 3. <i>Journal of Virology</i> , <b>2013</b> , 87, 7160-5	6.3	30
138	Human tetherin exerts strong selection pressure on the HIV-1 group N Vpu protein. <i>PLoS Pathogens</i> , <b>2012</b> , 8, e1003093	7.4	48
137	Naturally occurring fragments from two distinct regions of the prostatic acid phosphatase form amyloidogenic enhancers of HIV infection. <i>Journal of Virology</i> , <b>2012</b> , 86, 1244-9	6.3	74
136	Down-modulation of CD8 $\alpha$ is a fundamental activity of primate lentiviral Nef proteins. <i>Journal of Virology</i> , <b>2012</b> , 86, 36-48	6.3	16
135	Efficient Nef-mediated downmodulation of TCR-CD3 and CD28 is associated with high CD4 $^{+}$ T cell counts in viremic HIV-2 infection. <i>Journal of Virology</i> , <b>2012</b> , 86, 4906-20	6.3	27
134	Reacquisition of Nef-mediated tetherin antagonism in a single in vivo passage of HIV-1 through its original chimpanzee host. <i>Cell Host and Microbe</i> , <b>2012</b> , 12, 373-80	22.9	32
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10	SARS-CoV-2 variants of concern remain dependent on IFITM2 for efficient replication in human lung cells		1
9	The Delta variant of SARS-CoV-2 maintains high sensitivity to interferons in human lung cells		5
8	IFITM dependency of SARS-CoV-2 variants of concern		1
7	Detection of SARS-CoV-2 in Human Breast Milk		5
6	The Zinc Finger Antiviral Protein restricts SARS-CoV-2		6
5	Alpha-1 antitrypsin inhibits SARS-CoV-2 infection		7

4	IFITM proteins promote SARS-CoV-2 infection and are targets for virus inhibition	13
3	An optimized derivative of an endogenous CXCR4 antagonist prevents atopic dermatitis and airway inflammation	5
2	Species-specific differences in antagonism of APOBEC3 proteins by HIV-2 and SIVsmm Vif proteins	1
1	Imperfect innate immune antagonism renders SARS-CoV-2 vulnerable towards IFN- $\lambda$ and - $\alpha$	2