

Didier Trono

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.

209
papers

27,667
citations

82
h-index

165
g-index

227
ext. papers

31,212
ext. citations

12.8
avg, IF

6.85
L-index

#	Paper	IF	Citations
209	KRAB zinc finger protein ZNF676 controls the transcriptional influence of LTR12-related endogenous retrovirus sequences.. <i>Mobile DNA</i> , 2022 , 13, 4	4.4	1
208	Human reproduction is regulated by retrotransposons derived from ancient Hominidae-specific viral infections.. <i>Nature Communications</i> , 2022 , 13, 463	17.4	1
207	Microfluidic characterisation reveals broad range of SARS-CoV-2 antibody affinity in human plasma. <i>Life Science Alliance</i> , 2022 , 5,	5.8	3
206	Humoral Responses Against Variants of Concern by COVID-19 mRNA Vaccines in Immunocompromised Patients.. <i>JAMA Oncology</i> , 2022 ,	13.4	6
205	A cis-acting structural variation at the ZNF558 locus controls a gene regulatory network in human brain development. <i>Cell Stem Cell</i> , 2021 ,	18	3
204	S-acylation controls SARS-CoV-2 membrane lipid organization and enhances infectivity. <i>Developmental Cell</i> , 2021 , 56, 2790-2807.e8	10.2	10
203	Risk of reinfection after seroconversion to SARS-CoV-2: A population-based propensity-score matched cohort study. <i>Clinical Infectious Diseases</i> , 2021 ,	11.6	26
202	Seroprevalence of anti-SARS-CoV-2 antibodies after the second pandemic peak. <i>Lancet Infectious Diseases, The</i> , 2021 , 21, 600-601	25.5	26
201	Large variation in anti-SARS-CoV-2 antibody prevalence among essential workers in Geneva, Switzerland. <i>Nature Communications</i> , 2021 , 12, 3455	17.4	9
200	Changes in SARS-CoV-2 Spike versus Nucleoprotein Antibody Responses Impact the Estimates of Infections in Population-Based Seroprevalence Studies. <i>Journal of Virology</i> , 2021 , 95,	6.6	86
199	Serology-informed estimates of SARS-CoV-2 infection fatality risk in Geneva, Switzerland. <i>Lancet Infectious Diseases, The</i> , 2021 , 21, e69-e70	25.5	92
198	Persistence of anti-SARS-CoV-2 antibodies: immunoassay heterogeneity and implications for serosurveillance. <i>Clinical Microbiology and Infection</i> , 2021 , 27, 1695.e7-1695.e12	9.5	7
197	A high-throughput cell- and virus-free assay shows reduced neutralization of SARS-CoV-2 variants by COVID-19 convalescent plasma. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	15
196	Transposable elements and their KZFP controllers are drivers of transcriptional innovation in the developing human brain. <i>Genome Research</i> , 2021 , 31, 1531-1545	9.7	3
195	A highly potent antibody effective against SARS-CoV-2 variants of concern. <i>Cell Reports</i> , 2021 , 37, 109814o.6	10.6	9
194	Occupational risk of SARS-CoV-2 infection and reinfection during the second pandemic surge: a cohort study. <i>Occupational and Environmental Medicine</i> , 2021 ,	2.1	2
193	The Human RNA Helicase DDX21 Presents a Dimerization Interface Necessary for Helicase Activity. <i>IScience</i> , 2020 , 23, 101811	6.1	6

192	Seroprevalence of anti-SARS-CoV-2 IgG antibodies in Geneva, Switzerland (SEROCoV-POP): a population-based study. <i>Lancet, The</i> , 2020 , 396, 313-319	40	632
191	Integrated proteogenomic deep sequencing and analytics accurately identify non-canonical peptides in tumor immunopeptidomes. <i>Nature Communications</i> , 2020 , 11, 1293	17.4	78
190	KAP1 targets actively transcribed genomic loci to exert pleomorphic effects on RNA polymerase II activity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020 , 375, 20190334	5.8	3
189	KRAB-zinc finger protein gene expansion in response to active retrotransposons in the murine lineage. <i>ELife</i> , 2020 , 9,	8.9	30
188	Endogenous retroviruses drive KRAB zinc-finger protein family expression for tumor suppression. <i>Science Advances</i> , 2020 , 6,	14.3	8
187	Primate-restricted KRAB zinc finger proteins and target retrotransposons control gene expression in human neurons. <i>Science Advances</i> , 2020 , 6, eaba3200	14.3	16
186	DUX is a non-essential synchronizer of zygotic genome activation. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	29
185	A Dissection of Oligomerization by the TRIM28 Tripartite Motif and the Interaction with Members of the Krab-ZFP Family. <i>Journal of Molecular Biology</i> , 2019 , 431, 2511-2527	6.5	14
184	Hominoid-Specific Transposable Elements and KZFPs Facilitate Human Embryonic Genome Activation and Control Transcription in Naive Human ESCs. <i>Cell Stem Cell</i> , 2019 , 24, 724-735.e5	18	92
183	ZFP30 promotes adipogenesis through the KAP1-mediated activation of a retrotransposon-derived Pparg2 enhancer. <i>Nature Communications</i> , 2019 , 10, 1809	17.4	14
182	DPPA2 and DPPA4 are necessary to establish a 2C-like state in mouse embryonic stem cells. <i>EMBO Reports</i> , 2019 , 20,	6.5	56
181	KAP1 is an antiparallel dimer with a functional asymmetry. <i>Life Science Alliance</i> , 2019 , 2,	5.8	9
180	The interactome of KRAB zinc finger proteins reveals the evolutionary history of their functional diversification. <i>EMBO Journal</i> , 2019 , 38, e101220	13	33
179	ZNF445 is a primary regulator of genomic imprinting. <i>Genes and Development</i> , 2019 , 33, 49-54	12.6	78
178	Pharmacological Induction of a Progenitor State for the Efficient Expansion of Primary Human Hepatocytes. <i>Hepatology</i> , 2019 , 69, 2214-2231	11.2	13
177	KAP1 facilitates reinstatement of heterochromatin after DNA replication. <i>Nucleic Acids Research</i> , 2018 , 46, 8788-8802	20.1	15
176	HIV-1 Vpr and p21 restrict LINE-1 mobility. <i>Nucleic Acids Research</i> , 2018 , 46, 8454-8470	20.1	8
175	Individual retrotransposon integrants are differentially controlled by KZFP/KAP1-dependent histone methylation, DNA methylation and TET-mediated hydroxymethylation in naive embryonic stem cells. <i>Epigenetics and Chromatin</i> , 2018 , 11, 7	5.8	23

174	Properties of LINE-1 proteins and repeat element expression in the context of amyotrophic lateral sclerosis. <i>Mobile DNA</i> , 2018 , 9, 35	4.4	19
173	SMiLE-seq identifies binding motifs of single and dimeric transcription factors. <i>Nature Methods</i> , 2017 , 14, 316-322	21.6	58
172	KRAB zinc-finger proteins contribute to the evolution of gene regulatory networks. <i>Nature</i> , 2017 , 543, 550-554	50.4	242
171	DUX-family transcription factors regulate zygotic genome activation in placental mammals. <i>Nature Genetics</i> , 2017 , 49, 941-945	36.3	265
170	A KRABsody for Embryo-Placental Development. <i>Developmental Cell</i> , 2017 , 41, 578-580	10.2	
169	Polyphenic trait promotes liver cancer in a model of epigenetic instability in mice. <i>Hepatology</i> , 2017 , 66, 235-251	11.2	9
168	The mouse genome displays highly dynamic populations of KRAB-zinc finger protein genes and related genetic units. <i>PLoS ONE</i> , 2017 , 12, e0173746	3.7	29
167	KRAB zinc finger proteins. <i>Development (Cambridge)</i> , 2017 , 144, 2719-2729	6.6	141
166	Molecular Criteria for Defining the Naive Human Pluripotent State. <i>Cell Stem Cell</i> , 2016 , 19, 502-515	18	291
165	Transposable Elements and Their KRAB-ZFP Controllers Regulate Gene Expression in Adult Tissues. <i>Developmental Cell</i> , 2016 , 36, 611-23	10.2	131
164	A Large-Scale Functional Screen to Identify Epigenetic Repressors of Retrotransposon Expression. <i>Methods in Molecular Biology</i> , 2016 , 1400, 403-17	1.4	1
163	Switzerland and the Digital Health Revolution. <i>Chimia</i> , 2016 , 70, 851-852	1.3	1
162	Lentiviral vectors, two decades later. <i>Science</i> , 2016 , 353, 1101-2	33.3	72
161	The evolution of gene expression and binding specificity of the largest transcription factor family in primates. <i>Evolution; International Journal of Organic Evolution</i> , 2016 , 70, 167-80	3.8	11
160	Drawing a fine line on endogenous retroelement activity. <i>Mobile Genetic Elements</i> , 2015 , 5, 1-6		23
159	A KAP1 phosphorylation switch controls MyoD function during skeletal muscle differentiation. <i>Genes and Development</i> , 2015 , 29, 513-25	12.6	44
158	The developmental control of transposable elements and the evolution of higher species. <i>Annual Review of Cell and Developmental Biology</i> , 2015 , 31, 429-51	12.6	161
157	Venus trap in the mouse embryo reveals distinct molecular dynamics underlying specification of first embryonic lineages. <i>EMBO Reports</i> , 2015 , 16, 1005-21	6.5	21

156	Transposable Elements, Polydactyl Proteins, and the Genesis of Human-Specific Transcription Networks. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2015 , 80, 281-8	3.9	19
155	TRIM28 represses transcription of endogenous retroviruses in neural progenitor cells. <i>Cell Reports</i> , 2015 , 10, 20-8	10.6	86
154	Release of human cytomegalovirus from latency by a KAP1/TRIM28 phosphorylation switch. <i>ELife</i> , 2015 , 4,	8.9	70
153	Author response: Release of human cytomegalovirus from latency by a KAP1/TRIM28 phosphorylation switch 2015 ,		4
152	Loss of transcriptional control over endogenous retroelements during reprogramming to pluripotency. <i>Genome Research</i> , 2014 , 24, 1251-9	9.7	82
151	Interplay of TRIM28 and DNA methylation in controlling human endogenous retroelements. <i>Genome Research</i> , 2014 , 24, 1260-70	9.7	122
150	As time goes by: KRABs evolve to KAP endogenous retroelements. <i>Developmental Cell</i> , 2014 , 31, 257-258	8.0	11
149	Evolutionally dynamic L1 regulation in embryonic stem cells. <i>Genes and Development</i> , 2014 , 28, 1397-409	12.6	141
148	Dual-regulated lentiviral vector for gene therapy of X-linked chronic granulomatosis. <i>Molecular Therapy</i> , 2014 , 22, 1472-1483	11.7	50
147	Identification of the transcription factor ZEB1 as a central component of the adipogenic gene regulatory network. <i>ELife</i> , 2014 , 3, e03346	8.9	60
146	VEGFR-3 neutralization inhibits ovarian lymphangiogenesis, follicle maturation, and murine pregnancy. <i>American Journal of Pathology</i> , 2013 , 183, 1596-1607	5.8	21
145	A switch between topological domains underlies HoxD genes collinearity in mouse limbs. <i>Science</i> , 2013 , 340, 1234-167	33.3	302
144	TRIM28 repression of retrotransposon-based enhancers is necessary to preserve transcriptional dynamics in embryonic stem cells. <i>Genome Research</i> , 2013 , 23, 452-61	9.7	98
143	De novo DNA methylation of endogenous retroviruses is shaped by KRAB-ZFPs/KAP1 and ESET. <i>Development (Cambridge)</i> , 2013 , 140, 519-29	6.6	108
142	A KRAB/KAP1-miRNA cascade regulates erythropoiesis through stage-specific control of mitophagy. <i>Science</i> , 2013 , 340, 350-3	33.3	76
141	Prototype foamy virus Bet impairs the dimerization and cytosolic solubility of human APOBEC3G. <i>Journal of Virology</i> , 2013 , 87, 9030-40	6.6	32
140	Global and stage specific patterns of Krüppel-associated-box zinc finger protein gene expression in murine early embryonic cells. <i>PLoS ONE</i> , 2013 , 8, e56721	3.7	40
139	KAP1 regulates gene networks controlling mouse B-lymphoid cell differentiation and function. <i>Blood</i> , 2012 , 119, 4675-85	2.2	31

138	The KRAB-ZFP/KAP1 system contributes to the early embryonic establishment of site-specific DNA methylation patterns maintained during development. <i>Cell Reports</i> , 2012 , 2, 766-73	10.6	104
137	A novel lentiviral vector targets gene transfer into human hematopoietic stem cells in marrow from patients with bone marrow failure syndrome and in vivo in humanized mice. <i>Blood</i> , 2012 , 119, 1139-50	2.2	36
136	KAP1 regulates gene networks controlling T-cell development and responsiveness. <i>FASEB Journal</i> , 2012 , 26, 4561-75	0.9	37
135	Liver-specific ablation of Kr̢pel-associated box-associated protein 1 in mice leads to male-predominant hepatosteatosis and development of liver adenoma. <i>Hepatology</i> , 2012 , 56, 1279-90	11.2	37
134	Embryonic stem cell potency fluctuates with endogenous retrovirus activity. <i>Nature</i> , 2012 , 487, 57-63	50.4	630
133	MicroRNA-124 is a subventricular zone neuronal fate determinant. <i>Journal of Neuroscience</i> , 2012 , 32, 8879-89	6.6	157
132	The ATM substrate KAP1 controls DNA repair in heterochromatin: regulation by HP1 proteins and serine 473/824 phosphorylation. <i>Molecular Cancer Research</i> , 2012 , 10, 401-14	6.6	84
131	The Kr̢pel-associated box repressor domain can induce reversible heterochromatinization of a mouse locus in vivo. <i>Journal of Biological Chemistry</i> , 2012 , 287, 25361-9	5.4	11
130	Gene therapy: too much splice can spoil the dish. <i>Journal of Clinical Investigation</i> , 2012 , 122, 1600-2	15.9	4
129	Profaning the ultimate sanctuary: HIV latency in hematopoietic stem cells. <i>Cell Host and Microbe</i> , 2011 , 9, 170-172	23.4	4
128	In embryonic stem cells, ZFP57/KAP1 recognize a methylated hexanucleotide to affect chromatin and DNA methylation of imprinting control regions. <i>Molecular Cell</i> , 2011 , 44, 361-72	17.6	410
127	Dynamic control of endogenous retroviruses during development. <i>Virology</i> , 2011 , 411, 273-87	3.6	187
126	A gene-rich, transcriptionally active environment and the pre-deposition of repressive marks are predictive of susceptibility to KRAB/KAP1-mediated silencing. <i>BMC Genomics</i> , 2011 , 12, 378	4.5	24
125	Measuring in vivo protein half-life. <i>Chemistry and Biology</i> , 2011 , 18, 805-15		63
124	Structure-function analyses point to a polynucleotide-accommodating groove essential for APOBEC3A restriction activities. <i>Journal of Virology</i> , 2011 , 85, 1765-76	6.6	63
123	Homology-based identification of capsid determinants that protect HIV1 from human TRIM5̢ restriction. <i>Journal of Biological Chemistry</i> , 2011 , 286, 8128-8140	5.4	14
122	Chromosome conformation capture uncovers potential genome-wide interactions between human conserved non-coding sequences. <i>PLoS ONE</i> , 2011 , 6, e17634	3.7	16
121	Lentiviral Vector Mediated Transgenesis. <i>Current Protocols in Mouse Biology</i> , 2011 , 1, 169-84	1.1	6

120	KAP1 controls endogenous retroviruses in embryonic stem cells. <i>Nature</i> , 2010 , 463, 237-40	50.4	502
119	The specificity of TRIM5 alpha-mediated restriction is influenced by its coiled-coil domain. <i>Journal of Virology</i> , 2010 , 84, 5790-801	6.6	26
118	KRAB-zinc finger proteins and KAP1 can mediate long-range transcriptional repression through heterochromatin spreading. <i>PLoS Genetics</i> , 2010 , 6, e1000869	6	228
117	HIV persistence and the prospect of long-term drug-free remissions for HIV-infected individuals. <i>Science</i> , 2010 , 329, 174-80	33.3	238
116	Production and titration of lentiviral vectors. <i>Current Protocols in Neuroscience</i> , 2010 , Chapter 4, Unit 4.21	2.7	94
115	Genetic reactivation of cone photoreceptors restores visual responses in retinitis pigmentosa. <i>Science</i> , 2010 , 329, 413-7	33.3	463
114	Inducible gene and shRNA expression in resident hematopoietic stem cells in vivo. <i>Stem Cells</i> , 2010 , 28, 1390-8	5.8	27
113	A systematic enhancer screen using lentivector transgenesis identifies conserved and non-conserved functional elements at the Olig1 and Olig2 locus. <i>PLoS ONE</i> , 2010 , 5, e15741	3.7	23
112	APOBEC3G-depleted resting CD4+ T cells remain refractory to HIV1 infection. <i>PLoS ONE</i> , 2009 , 4, e6571	3.7	24
111	Regulation of episomal gene expression by KRAB/KAP1-mediated histone modifications. <i>Journal of Virology</i> , 2009 , 83, 5574-80	6.6	24
110	Rescue of a severe mouse model for spinal muscular atrophy by U7 snRNA-mediated splicing modulation. <i>Human Molecular Genetics</i> , 2009 , 18, 546-55	5.6	84
109	Biosafety in ex vivo gene therapy and conditional ablation of lentivirally transduced hepatocytes in nonhuman primates. <i>Molecular Therapy</i> , 2009 , 17, 1754-60	11.7	27
108	Functional analysis and structural modeling of human APOBEC3G reveal the role of evolutionarily conserved elements in the inhibition of human immunodeficiency virus type 1 infection and Alu transposition. <i>Journal of Virology</i> , 2009 , 83, 12611-21	6.6	48
107	A human TRIM5alpha B30.2/SPRY domain mutant gains the ability to restrict and prematurely uncoat B-tropic murine leukemia virus. <i>Virology</i> , 2008 , 378, 233-42	3.6	58
106	KAP1-mediated epigenetic repression in the forebrain modulates behavioral vulnerability to stress. <i>Neuron</i> , 2008 , 60, 818-31	13.9	102
105	Antiprion prophylaxis by gene transfer of a soluble prion antagonist. <i>American Journal of Pathology</i> , 2008 , 172, 1287-96	5.8	13
104	APOBEC3-independent interferon-induced viral clearance in hepatitis B virus transgenic mice. <i>Journal of Virology</i> , 2008 , 82, 6585-90	6.6	20
103	Genotypic features of lentivirus transgenic mice. <i>Journal of Virology</i> , 2008 , 82, 7111-9	6.6	29

102	Model structure of human APOBEC3G. <i>PLoS ONE</i> , 2007 , 2, e378	3.7	43
101	Molecular mechanism of hepcidin deficiency in a patient with juvenile hemochromatosis. <i>Haematologica</i> , 2007 , 92, 127-8	6.6	17
100	The Kruppel-associated box repressor domain can trigger de novo promoter methylation during mouse early embryogenesis. <i>Journal of Biological Chemistry</i> , 2007 , 282, 34535-41	5.4	89
99	Interfering residues narrow the spectrum of MLV restriction by human TRIM5alpha. <i>PLoS Pathogens</i> , 2007 , 3, e200	7.6	28
98	Expression of FGF-2 in neural progenitor cells enhances their potential for cellular brain repair in the rodent cortex. <i>Brain</i> , 2007 , 130, 2962-76	11.2	60
97	Induction of antiviral cytidine deaminases does not explain the inhibition of hepatitis B virus replication by interferons. <i>Journal of Virology</i> , 2007 , 81, 10588-96	6.6	47
96	Differentiation of trophoblast giant cells and their metabolic functions are dependent on peroxisome proliferator-activated receptor beta/delta. <i>Molecular and Cellular Biology</i> , 2006 , 26, 3266-81 ^{4.8}	4.8	165
95	Ataxia-telangiectasia-mutated (ATM) protein can enhance human immunodeficiency virus type 1 replication by stimulating Rev function. <i>Journal of Virology</i> , 2006 , 80, 2445-52	6.6	21
94	KRAB can repress lentivirus proviral transcription independently of integration site. <i>Journal of Biological Chemistry</i> , 2006 , 281, 35742-6	5.4	18
93	Production and titration of lentiviral vectors. <i>Current Protocols in Neuroscience</i> , 2006 , Chapter 4, Unit 4.21	2.7	73
92	Multipotential nestin and Isl-1 positive mesenchymal stem cells isolated from human pancreatic islets. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 345, 1167-76	3.4	76
91	A versatile tool for conditional gene expression and knockdown. <i>Nature Methods</i> , 2006 , 3, 109-16	21.6	336
90	Tuning silence: conditional systems for RNA interference. <i>Nature Methods</i> , 2006 , 3, 682-8	21.6	112
89	Editing at the crossroad of innate and adaptive immunity. <i>Science</i> , 2005 , 307, 1061-5	33.3	83
88	Treatment of acetaminophen-induced acute liver failure in the mouse with conditionally immortalized human hepatocytes. <i>Journal of Hepatology</i> , 2005 , 43, 1031-7	13.4	48
87	Oncogenesis following delivery of a nonprimate lentiviral gene therapy vector to fetal and neonatal mice. <i>Molecular Therapy</i> , 2005 , 12, 763-71	11.7	190
86	Lentiviral vectors and antiretroviral intrinsic immunity. <i>Human Gene Therapy</i> , 2005 , 16, 913-20	4.8	27
85	A simple and highly effective method for the stable transduction of uncultured porcine hepatocytes using lentiviral vector. <i>Cell Transplantation</i> , 2005 , 14, 489-96	4	23

84	Deficiency of ribosomal protein S19 in CD34+ cells generated by siRNA blocks erythroid development and mimics defects seen in Diamond-Blackfan anemia. <i>Blood</i> , 2005 , 105, 4627-34	2.2	97
83	Treatment of fulminant liver failure by transplantation of microencapsulated primary or immortalized xenogeneic hepatocytes. <i>Xenotransplantation</i> , 2005 , 12, 457-64	2.8	51
82	Harnessing HIV for therapy, basic research and biotechnology. <i>Trends in Biotechnology</i> , 2005 , 23, 42-7	15.1	100
81	Statins reduce interleukin-6-induced C-reactive protein in human hepatocytes: new evidence for direct antiinflammatory effects of statins. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005 , 25, 1231-6	9.4	193
80	Development of cellular models for ribosomal protein S19 (RPS19)-deficient diamond-blackfan anemia using inducible expression of siRNA against RPS19. <i>Molecular Therapy</i> , 2005 , 11, 627-37	11.7	44
79	Transduction of CpG DNA-stimulated primary human B cells with bicistronic lentivectors. <i>Molecular Therapy</i> , 2005 , 12, 892-9	11.7	20
78	Therapeutic lentivirus-mediated neonatal in vivo gene therapy in hyperbilirubinemic Gunn rats. <i>Molecular Therapy</i> , 2005 , 12, 852-9	11.7	39
77	DNA damage sensors ATM, ATR, DNA-PKcs, and PARP-1 are dispensable for human immunodeficiency virus type 1 integration. <i>Journal of Virology</i> , 2005 , 79, 2973-8	6.6	99
76	The innate antiretroviral factor APOBEC3G does not affect human LINE-1 retrotransposition in a cell culture assay. <i>Journal of Biological Chemistry</i> , 2004 , 279, 43371-3	5.4	64
75	A single amino acid determinant governs the species-specific sensitivity of APOBEC3G to Vif action. <i>Journal of Biological Chemistry</i> , 2004 , 279, 14481-3	5.4	212
74	Entry and transcription as key determinants of differences in CD4 T-cell permissiveness to human immunodeficiency virus type 1 infection. <i>Journal of Virology</i> , 2004 , 78, 10747-54	6.6	41
73	Contribution of proteoglycans to human immunodeficiency virus type 1 brain invasion. <i>Journal of Virology</i> , 2004 , 78, 6567-84	6.6	86
72	Lentiviral vectors interfering with virus-induced CD4 down-modulation potently block human immunodeficiency virus type 1 replication in primary lymphocytes. <i>Journal of Virology</i> , 2004 , 78, 13072-81	6.6	31
71	APOBEC3G genetic variants and their influence on the progression to AIDS. <i>Journal of Virology</i> , 2004 , 78, 11070-6	6.6	164
70	Lentivirus-mediated RNA interference of DC-SIGN expression inhibits human immunodeficiency virus transmission from dendritic cells to T cells. <i>Journal of Virology</i> , 2004 , 78, 10848-55	6.6	103
69	Retroviruses under editing crossfire: a second member of the human APOBEC3 family is a Vif-blockable innate antiretroviral factor. <i>EMBO Reports</i> , 2004 , 5, 679-80	6.5	5
68	ARF1 regulates Nef-induced CD4 degradation. <i>Current Biology</i> , 2004 , 14, 1056-64	6.3	43
67	Inhibition of hepatitis B virus replication by APOBEC3G. <i>Science</i> , 2004 , 303, 1829	33.3	361

66	IL-7 surface-engineered lentiviral vectors promote survival and efficient gene transfer in resting primary T lymphocytes. <i>Blood</i> , 2003 , 101, 2167-74	2.2	100
65	Lentiviral vector transduction of NOD/SCID repopulating cells results in multiple vector integrations per transduced cell: risk of insertional mutagenesis. <i>Blood</i> , 2003 , 101, 1284-9	2.2	168
64	Efficient transduction of primary human B lymphocytes and nondividing myeloma B cells with HIV-1-derived lentiviral vectors. <i>Blood</i> , 2003 , 101, 1727-33	2.2	62
63	Broad antiretroviral defence by human APOBEC3G through lethal editing of nascent reverse transcripts. <i>Nature</i> , 2003 , 424, 99-103	50.4	1233
62	Hide, shield and strike back: how HIV-infected cells avoid immune eradication. <i>Nature Reviews Immunology</i> , 2003 , 3, 97-107	36.5	120
61	Lentivector-mediated transfer of Bmi-1 and telomerase in muscle satellite cells yields a duchenne myoblast cell line with long-term genotypic and phenotypic stability. <i>Human Gene Therapy</i> , 2003 , 14, 1525-33	4.8	75
60	Lentivirus-mediated transduction of connexin cDNAs shows level- and isoform-specific alterations in insulin secretion of primary pancreatic beta-cells. <i>Journal of Cell Science</i> , 2003 , 116, 2285-94	5.3	41
59	Virology. Picking the right spot. <i>Science</i> , 2003 , 300, 1670-1	33.3	28
58	Conditional suppression of cellular genes: lentivirus vector-mediated drug-inducible RNA interference. <i>Journal of Virology</i> , 2003 , 77, 8957-61	6.6	633
57	Modalities of interleukin-7-induced human immunodeficiency virus permissiveness in quiescent T lymphocytes. <i>Journal of Virology</i> , 2002 , 76, 9103-11	6.6	84
56	Transepithelial transport of HIV-1 by M cells is receptor-mediated. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 9410-4	11.5	80
55	The HIV-1 Nef protein and phagocyte NADPH oxidase activation. <i>Journal of Biological Chemistry</i> , 2002 , 277, 42136-43	5.4	63
54	Highly efficient lentiviral vector-mediated transduction of nondividing, fully reimplantable primary hepatocytes. <i>Molecular Therapy</i> , 2002 , 6, 199-209	11.7	112
53	Role for human immunodeficiency virus type 1 membrane cholesterol in viral internalization. <i>Journal of Virology</i> , 2002 , 76, 10356-64	6.6	155
52	Efficient gene transfer into human primary blood lymphocytes by surface-engineered lentiviral vectors that display a T cell-activating polypeptide. <i>Blood</i> , 2002 , 99, 2342-50	2.2	85
51	Lentiviral vectors pseudotyped with a modified RD114 envelope glycoprotein show increased stability in sera and augmented transduction of primary lymphocytes and CD34+ cells derived from human and nonhuman primates. <i>Blood</i> , 2002 , 100, 823-32	2.2	249
50	Inhibition of HIV-1 in cell culture by oligonucleotide-loaded nanoparticles. <i>Pharmaceutical Research</i> , 2001 , 18, 1096-101	4.5	23
49	Living in oblivion: HIV immune evasion. <i>Seminars in Immunology</i> , 2001 , 13, 51-7	10.7	22

48	Cytoplasmic recruitment of INI1 and PML on incoming HIV preintegration complexes: interference with early steps of viral replication. <i>Molecular Cell</i> , 2001 , 7, 1245-54	17.6	197
47	The use of a recombinant lentiviral vector for ex vivo gene transfer into the rat CNS. <i>NeuroReport</i> , 2000 , 11, 3973-7	1.7	55
46	Lentivirus-mediated gene transfer of gp91phox corrects chronic granulomatous disease (CGD) phenotype in human X-CGD cells. <i>Journal of Gene Medicine</i> , 2000 , 2, 317-25	3.5	19
45	HIV-1 Nef protein binds to the cellular protein PACS-1 to downregulate class I major histocompatibility complexes. <i>Nature Cell Biology</i> , 2000 , 2, 163-7	23.4	334
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10	DPPA2 and DPPA4 are necessary to establish a totipotent state in mouse embryonic stem cells		1
9	A human-specific structural variation at the ZNF558 locus controls a gene regulatory network during forebrain development		4
8	Non-essential function of KRAB zinc finger gene clusters in retrotransposon suppression		1
7	Endogenous retroviruses drive KRAB zinc-finger family protein expression for tumor suppression		2
6	Ongoing evolution of KRAB zinc finger protein-coding genes in modern humans		1
5	KAP1 is an antiparallel dimer with a natively functional asymmetry		2
4	DUX is a non-essential synchronizer of zygotic genome activation		4
3	S-acylation controls SARS-Cov-2 membrane lipid organization and enhances infectivity		3
2	Occupational risk of SARS-CoV-2 infection and reinfection during the second pandemic surge: a cohort study		1
1	SARS-CoV-2 Omicron potently neutralized by a novel antibody with unique Spike binding properties		1