Didier Trono

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4015518/publications.pdf

Version: 2024-02-01

203 papers	34,157 citations	5126 86 h-index	4622 176 g-index
227 all docs	227 docs citations	227 times ranked	37760 citing authors

#	Article	IF	Citations
1	A Third-Generation Lentivirus Vector with a Conditional Packaging System. Journal of Virology, 1998, 72, 8463-8471.	1.5	2,931
2	Multiply attenuated lentiviral vector achieves efficient gene delivery in vivo. Nature Biotechnology, 1997, 15, 871-875.	9.4	1,826
3	Self-Inactivating Lentivirus Vector for Safe and Efficient In Vivo Gene Delivery. Journal of Virology, 1998, 72, 9873-9880.	1.5	1,676
4	Broad antiretroviral defence by human APOBEC3G through lethal editing of nascent reverse transcripts. Nature, 2003, 424, 99-103.	13.7	1,353
5	Neurodegeneration Prevented by Lentiviral Vector Delivery of GDNF in Primate Models of Parkinson's Disease. Science, 2000, 290, 767-773.	6.0	1,201
6	Woodchuck Hepatitis Virus Posttranscriptional Regulatory Element Enhances Expression of Transgenes Delivered by Retroviral Vectors. Journal of Virology, 1999, 73, 2886-2892.	1.5	949
7	Embryonic stem cell potency fluctuates with endogenous retrovirus activity. Nature, 2012, 487, 57-63.	13.7	925
8	Seroprevalence of anti-SARS-CoV-2 IgG antibodies in Geneva, Switzerland (SEROCoV-POP): a population-based study. Lancet, The, 2020, 396, 313-319.	6.3	919
9	Nef induces CD4 endocytosis: Requirement for a critical dileucine motif in the membrane-proximal CD4 cytoplasmic domain. Cell, 1994, 76, 853-864.	13.5	727
10	Conditional Suppression of Cellular Genes: Lentivirus Vector-Mediated Drug-Inducible RNA Interference. Journal of Virology, 2003, 77, 8957-8961.	1.5	677
11	KAP1 controls endogenous retroviruses in embryonic stem cells. Nature, 2010, 463, 237-240.	13.7	677
12	Genetic Reactivation of Cone Photoreceptors Restores Visual Responses in Retinitis Pigmentosa. Science, 2010, 329, 413-417.	6.0	578
13	In Embryonic Stem Cells, ZFP57/KAP1 Recognize a Methylated Hexanucleotide to Affect Chromatin and DNA Methylation of Imprinting Control Regions. Molecular Cell, 2011, 44, 361-372.	4.5	503
14	DUX-family transcription factors regulate zygotic genome activation in placental mammals. Nature Genetics, 2017, 49, 941-945.	9.4	448
15	KRAB zinc-finger proteins contribute to the evolution of gene regulatory networks. Nature, 2017, 543, 550-554.	13.7	443
16	Cells nonproductively infected with HIV-1 exhibit an aberrant pattern of viral RNA expression: A molecular model for latency. Cell, 1990, 61, 1271-1276.	13.5	417
17	Molecular Criteria for Defining the Naive Human Pluripotent State. Cell Stem Cell, 2016, 19, 502-515.	5.2	415
18	HIV nuclear import is governed by the phosphotyrosine-mediated binding of matrix to the core domain of integrase. Cell, 1995, 83, 569-576.	13.5	403

#	Article	IF	Citations
19	Inhibition of Hepatitis B Virus Replication by APOBEC3G. Science, 2004, 303, 1829-1829.	6.0	402
20	A Switch Between Topological Domains Underlies HoxD Genes Collinearity in Mouse Limbs. Science, 2013, 340, 1234167.	6.0	391
21	HIV-1 infection of nondividing cells: C-terminal tyrosine phosphorylation of the viral matrix protein is a key regulator. Cell, 1995, 80, 379-388.	13.5	368
22	HIV-1 Nef protein binds to the cellular protein PACS-1 to downregulate class I major histocompatibility complexes. Nature Cell Biology, 2000, 2, 163-167.	4.6	358
23	A versatile tool for conditional gene expression and knockdown. Nature Methods, 2006, 3, 109-116.	9.0	358
24	HIV-1 Gag mutants can dominantly interfere with the replication of the wild-type virus. Cell, 1989, 59, 113-120.	13.5	349
25	KRABâ€“Zinc Finger Proteins and KAP1 Can Mediate Long-Range Transcriptional Repression through Heterochromatin Spreading. PLoS Genetics, 2010, 6, e1000869.	1.5	309
26	HIV accessory proteins: Leading roles for the supporting cast. Cell, 1995, 82, 189-192.	13.5	303
27	Cell-surface expression of CD4 reduces HIV-1 infectivity by blocking Env incorporation in a Nef- and Vpu-inhibitable manner. Current Biology, 1999, 9, 622-631.	1.8	300
28	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. Blood, 2002, 100, 823-832.	0.6	280
29	Self-Inactivating Lentiviral Vectors with Enhanced Transgene Expression as Potential Gene Transfer System in Parkinson's Disease. Human Gene Therapy, 2000, 11, 179-190.	1.4	276
30	HIV Persistence and the Prospect of Long-Term Drug-Free Remissions for HIV-Infected Individuals. Science, 2010, 329, 174-180.	6.0	274
31	Nef-Induced CD4 Degradation. Cell, 1999, 97, 63-73.	13.5	271
32	KRAB zinc finger proteins. Development (Cambridge), 2017, 144, 2719-2729.	1.2	259
33	Dynamic control of endogenous retroviruses during development. Virology, 2011, 411, 273-287.	1.1	236
34	A Single Amino Acid Determinant Governs the Species-specific Sensitivity of APOBEC3G to Vif Action. Journal of Biological Chemistry, 2004, 279, 14481-14483.	1.6	235
35	The Developmental Control of Transposable Elements and the Evolution of Higher Species. Annual Review of Cell and Developmental Biology, 2015, 31, 429-451.	4.0	226
36	Oncogenesis Following Delivery of a Nonprimate Lentiviral Gene Therapy Vector to Fetal and Neonatal Mice. Molecular Therapy, 2005, 12, 763-771.	3.7	224

#	Article	IF	Citations
37	Statins Reduce Interleukin-6â€“Induced C-Reactive Protein in Human Hepatocytes. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 1231-1236.	1.1	218
38	Cytoplasmic Recruitment of INI1 and PML on Incoming HIV Preintegration Complexes. Molecular Cell, 2001, 7, 1245-1254.	4.5	216
39	A Stable System for the High-Titer Production of Multiply Attenuated Lentiviral Vectors. Molecular Therapy, 2000, 2, 170-176.	3.7	213
40	The plasma membrane as a combat zone in the HIV battlefield. Genes and Development, 2000, 14, 2677-2688.	2.7	210
41	Hominoid-Specific Transposable Elements and KZFPs Facilitate Human Embryonic Genome Activation and Control Transcription in Naive Human ESCs. Cell Stem Cell, 2019, 24, 724-735.e5.	5.2	208
42	Changes in SARS-CoV-2 Spike versus Nucleoprotein Antibody Responses Impact the Estimates of Infections in Population-Based Seroprevalence Studies. Journal of Virology, 2021, 95, .	1.5	200
43	Nef-Induced CD4 and Major Histocompatibility Complex Class I (MHC-I) Down-Regulation Are Governed by Distinct Determinants: N-Terminal Alpha Helix and Proline Repeat of Nef Selectively Regulate MHC-I Trafficking. Journal of Virology, 1999, 73, 1964-1973.	1.5	200
44	Integrated proteogenomic deep sequencing and analytics accurately identify non-canonical peptides in tumor immunopeptidomes. Nature Communications, 2020, 11, 1293.	5.8	196
45	MicroRNA-124 Is a Subventricular Zone Neuronal Fate Determinant. Journal of Neuroscience, 2012, 32, 8879-8889.	1.7	191
46	Lentiviral vector transduction of NOD/SCID repopulating cells results in multiple vector integrations per transduced cell: risk of insertional mutagenesis. Blood, 2003, 101, 1284-1289.	0.6	188
47	The downregulation of CD4 and MHC-I by primate lentiviruses: a paradigm for the modulation of cell surface receptors. Immunological Reviews, 1999, 168, 51-63.	2.8	185
48	Evolutionally dynamic L1 regulation in embryonic stem cells. Genes and Development, 2014, 28, 1397-1409.	2.7	185
49	Transposable Elements and Their KRAB-ZFP Controllers Regulate Gene Expression in Adult Tissues. Developmental Cell, 2016, 36, 611-623.	3.1	181
50	Differentiation of Trophoblast Giant Cells and Their Metabolic Functions Are Dependent on Peroxisome Proliferator-Activated Receptor Î²/Î´. Molecular and Cellular Biology, 2006, 26, 3266-3281.	1.1	179
51	APOBEC3G Genetic Variants and Their Influence on the Progression to AIDS. Journal of Virology, 2004, 78, 11070-11076.	1.5	178
52	Role for Human Immunodeficiency Virus Type 1 Membrane Cholesterol in Viral Internalization. Journal of Virology, 2002, 76, 10356-10364.	1.5	162
53	Interplay of TRIM28 and DNA methylation in controlling human endogenous retroelements. Genome Research, 2014, 24, 1260-1270.	2.4	161
54	Production and Titration of Lentiviral Vectors. Current Protocols in Neuroscience, 2010, 53, Unit 4.21.	2.6	157

#	Article	IF	Citations
55	The HIV-1 Nef Protein Acts as a Connector with Sorting Pathways in the Golgi and at the Plasma Membrane. Immunity, 1997, 6, 67-77.	6.6	149
56	Reversible Immortalization of Human Primary Cells by Lentivector-Mediated Transfer of Specific Genes. Molecular Therapy, 2000, 2, 404-414.	3.7	149
57	Hide, shield and strike back: how HIV-infected cells avoid immune eradication. Nature Reviews Immunology, 2003, 3, 97-107.	10.6	140
58	De novo DNA methylation of endogenous retroviruses is shaped by KRAB-ZFPs/KAP1 and ESET. Development (Cambridge), 2013, 140, 519-529.	1.2	139
59	ZNF445 is a primary regulator of genomic imprinting. Genes and Development, 2019, 33, 49-54.	2.7	138
60	Reversal of Pathology in the Entire Brain of Mucopolysaccharidosis Type VII Mice after Lentivirus-Mediated Gene Transfer. Human Gene Therapy, 2000, 11, 1139-1150.	1.4	135
61	Serology-informed estimates of SARS-CoV-2 infection fatality risk in Geneva, Switzerland. Lancet Infectious Diseases, The, 2021, 21, e69-e70.	4.6	135
62	In Vivo Protection of Nigral Dopamine Neurons by Lentiviral Gene Transfer of the Novel GDNF-Family Member Neublastin/Artemin. Molecular and Cellular Neurosciences, 2000, 15, 199-214.	1.0	134
63	TRIM28 repression of retrotransposon-based enhancers is necessary to preserve transcriptional dynamics in embryonic stem cells. Genome Research, 2013, 23, 452-461.	2.4	132
64	The KRAB-ZFP/KAP1 System Contributes to the Early Embryonic Establishment of Site-Specific DNA Methylation Patterns Maintained during Development. Cell Reports, 2012, 2, 766-773.	2.9	129
65	Highly Efficient Lentiviral Vector-Mediated Transduction of Nondividing, Fully Reimplantable Primary Hepatocytes. Molecular Therapy, 2002, 6, 199-209.	3.7	119
66	Lentivirus-Mediated RNA Interference of DC-SIGN Expression Inhibits Human Immunodeficiency Virus Transmission from Dendritic Cells to T Cells. Journal of Virology, 2004, 78, 10848-10855.	1.5	119
67	Tuning silence: conditional systems for RNA interference. Nature Methods, 2006, 3, 682-688.	9.0	116
68	Deficiency of ribosomal protein S19 in CD34+ cells generated by siRNA blocks erythroid development and mimics defects seen in Diamond-Blackfan anemia. Blood, 2005, 105, 4627-4634.	0.6	112
69	Harnessing HIV for therapy, basic research and biotechnology. Trends in Biotechnology, 2005, 23, 42-47.	4.9	112
70	TRIM28 Represses Transcription of Endogenous Retroviruses in Neural Progenitor Cells. Cell Reports, 2015, 10, 20-28.	2.9	112
71	DNA Damage Sensors ATM, ATR, DNA-PKcs, and PARP-1 Are Dispensable for Human Immunodeficiency Virus Type 1 Integration. Journal of Virology, 2005, 79, 2973-2978.	1.5	111
72	Transgene Expression in the Guinea Pig Cochlea Mediated by a Lentivirus-Derived Gene Transfer Vector. Human Gene Therapy, 1999, 10, 1867-1873.	1.4	110

#	Article	IF	Citations
73	KAP1-Mediated Epigenetic Repression in the Forebrain Modulates Behavioral Vulnerability to Stress. Neuron, 2008, 60, 818-831.	3.8	110
74	The ATM Substrate KAP1 Controls DNA Repair in Heterochromatin: Regulation by HP1 Proteins and Serine 473/824 Phosphorylation. Molecular Cancer Research, 2012, 10, 401-414.	1.5	104
75	IL-7 surface-engineered lentiviral vectors promote survival and efficient gene transfer in resting primary T lymphocytes. Blood, 2003, 101, 2167-2174.	0.6	103
76	Contribution of Proteoglycans to Human Immunodeficiency Virus Type 1 Brain Invasion. Journal of Virology, 2004, 78, 6567-6584.	1.5	103
77	Nef-mediated Clathrin-coated Pit Formation. Journal of Cell Biology, 1997, 139, 37-47.	2.3	102
78	The KrÃ¼ppel-associated Box Repressor Domain Can Trigger de Novo Promoter Methylation during Mouse Early Embryogenesis. Journal of Biological Chemistry, 2007, 282, 34535-34541.	1.6	101
79	Identification of the transcription factor ZEB1 as a central component of the adipogenic gene regulatory network. ELife, 2014, 3, e03346.	2.8	101
80	Lentivirus Vector Gene Expression during ES Cell-Derived Hematopoietic Development In Vitro. Journal of Virology, 2000, 74, 10778-10784.	1.5	100
81	DPPA2 and DPPA4 are necessary to establish a 2Câ€like state in mouse embryonic stem cells. EMBO Reports, 2019, 20, .	2.0	97
82	326. A Versatile Tool for Conditional Gene Expression and Knockdown. Molecular Therapy, 2006, 13, S124.	3.7	96
83	Lentiviral vectors, two decades later. Science, 2016, 353, 1101-1102.	6.0	96
84	Transepithelial transport of HIV-1 by M cells is receptor-mediated. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 9410-9414.	3.3	95
85	A KRAB/KAP1-miRNA Cascade Regulates Erythropoiesis Through Stage-Specific Control of Mitophagy. Science, 2013, 340, 350-353.	6.0	95
86	Loss of transcriptional control over endogenous retroelements during reprogramming to pluripotency. Genome Research, 2014, 24, 1251-1259.	2.4	94
87	Modalities of Interleukin-7-Induced Human Immunodeficiency Virus Permissiveness in Quiescent T Lymphocytes. Journal of Virology, 2002, 76, 9103-9111.	1.5	92
88	Efficient gene transfer into human primary blood lymphocytes by surface-engineered lentiviral vectors that display a T cellâ€“activating polypeptide. Blood, 2002, 99, 2342-2350.	0.6	91
89	Rescue of a severe mouse model for spinal muscular atrophy by U7 snRNA-mediated splicing modulation. Human Molecular Genetics, 2009, 18, 546-555.	1.4	91
90	Editing at the Crossroad of Innate and Adaptive Immunity. Science, 2005, 307, 1061-1065.	6.0	90

#	Article	IF	Citations
91	SMiLE-seq identifies binding motifs of single and dimeric transcription factors. Nature Methods, 2017, 14, 316-322.	9.0	90
92	Release of human cytomegalovirus from latency by a KAP1/TRIM28 phosphorylation switch. ELife, 2015, 4, .	2.8	90
93	Multipotential nestin and Isl-1 positive mesenchymal stem cells isolated from human pancreatic islets. Biochemical and Biophysical Research Communications, 2006, 345, 1167-1176.	1.0	85
94	Production and Titration of Lentiviral Vectors. Current Protocols in Neuroscience, 2006, 37, 4.21.1-4.21.24.	2.6	83
95	The HIV-1 Nef Protein and Phagocyte NADPH Oxidase Activation. Journal of Biological Chemistry, 2002, 277, 42136-42143.	1.6	81
96	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. Human Gene Therapy, 2003, 14, 1525-1533.	1.4	80
97	S-acylation controls SARS-CoV-2 membrane lipid organization and enhances infectivity. Developmental Cell, 2021, 56, 2790-2807.e8.	3.1	80
98	KRAB-zinc finger protein gene expansion in response to active retrotransposons in the murine lineage. ELife, 2020, 9, .	2.8	77
99	Expression of FGF-2 in neural progenitor cells enhances their potential for cellular brain repair in the rodent cortex. Brain, 2007, 130, 2962-2976.	3.7	74
100	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. Journal of Virology, 2009, 83, 12611-12621.	1.5	73
101	Measuring InÂVivo Protein Half-Life. Chemistry and Biology, 2011, 18, 805-815.	6.2	71
102	Efficient transduction of primary human B lymphocytes and nondividing myeloma B cells with HIV-1â€“derived lentiviral vectors. Blood, 2003, 101, 1727-1733.	0.6	70
103	A high-throughput cell- and virus-free assay shows reduced neutralization of SARS-CoV-2 variants by COVID-19 convalescent plasma. Science Translational Medicine, 2021, 13, .	5.8	68
104	The Innate Antiretroviral Factor APOBEC3G Does Not Affect Human LINE-1 Retrotransposition in a Cell Culture Assay. Journal of Biological Chemistry, 2004, 279, 43371-43373.	1.6	67
105	A human TRIM5Î± B30.2/SPRY domain mutant gains the ability to restrict and prematurely uncoat B-tropic murine leukemia virus. Virology, 2008, 378, 233-242.	1.1	67
106	Structure-Function Analyses Point to a Polynucleotide-Accommodating Groove Essential for APOBEC3A Restriction Activities. Journal of Virology, 2011, 85, 1765-1776.	1.5	67
107	The interactome of <scp>KRAB</scp> zinc finger proteins reveals the evolutionary history of their functional diversification. EMBO Journal, 2019, 38, e101220.	3.5	67
108	A KAP1 phosphorylation switch controls MyoD function during skeletal muscle differentiation. Genes and Development, 2015, 29, 513-525.	2.7	66

#	Article	IF	Citations
109	The Nef protein of primate lentiviruses. , 1999, 9, 111-120.		65
110	Risk of Reinfection After Seroconversion to Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2): A Population-based Propensity-score Matched Cohort Study. Clinical Infectious Diseases, 2022, 74, 622-629.	2.9	61
111	The use of a recombinant lentiviral vector for ex vivo gene transfer into the rat CNS. NeuroReport, 2000, 11, 3973-3977.	0.6	59
112	Dual-regulated Lentiviral Vector for Gene Therapy of X-linked Chronic Granulomatosis. Molecular Therapy, 2014, 22, 1472-1483.	3.7	59
113	Seroprevalence of anti-SARS-CoV-2 antibodies after the second pandemic peak. Lancet Infectious Diseases, The, 2021, 21, 600-601.	4.6	59
114	Treatment of acetaminophen-induced acute liver failure in the mouse with conditionally immortalized human hepatocytes. Journal of Hepatology, 2005, 43, 1031-1037.	1.8	58
115	Treatment of fulminant liver failure by transplantation of microencapsulated primary or immortalized xenogeneic hepatocytes. Xenotransplantation, 2005, 12, 457-464.	1.6	56
116	DUX is a non-essential synchronizer of zygotic genome activation. Development (Cambridge), 2020, 147, .	1.2	55
117	Model Structure of Human APOBEC3G. PLoS ONE, 2007, 2, e378.	1.1	53
118	The Proteolytic Cleavage of Human Immunodeficiency Virus Type 1 Nef Does Not Correlate with Its Ability To Stimulate Virion Infectivity. Journal of Virology, 1998, 72, 3178-3184.	1.5	51
119	Primate-restricted KRAB zinc finger proteins and target retrotransposons control gene expression in human neurons. Science Advances, 2020, 6, eaba3200.	4.7	50
120	Development of cellular models for ribosomal protein S19 (RPS19)-deficient diamondâ€“blackfan anemia using inducible expression of siRNA against RPS19. Molecular Therapy, 2005, 11, 627-637.	3.7	49
121	Induction of Antiviral Cytidine Deaminases Does Not Explain the Inhibition of Hepatitis B Virus Replication by Interferons. Journal of Virology, 2007, 81, 10588-10596.	1.5	49
122	Humoral Responses Against Variants of Concern by COVID-19 mRNA Vaccines in Immunocompromised Patients. JAMA Oncology, 2022, 8, e220446.	3.4	48
123	Liver-specific ablation of KrÃ¼ppel-associated box-associated protein 1 in mice leads to male-predominant hepatosteatosis and development of liver adenoma. Hepatology, 2012, 56, 1279-1290.	3.6	47
124	Entry and Transcription as Key Determinants of Differences in CD4 T-Cell Permissiveness to Human Immunodeficiency Virus Type 1 Infection. Journal of Virology, 2004, 78, 10747-10754.	1.5	46
125	ARF1 Regulates Nef-Induced CD4 Degradation. Current Biology, 2004, 14, 1056-1064.	1.8	45
126	Therapeutic Lentivirus-Mediated Neonatal in Vivo Gene Therapy in Hyperbilirubinemic Gunn Rats. Molecular Therapy, 2005, 12, 852-859.	3.7	45

#	Article	IF	Citations
127	KAP1 regulates gene networks controlling Tâ€cell development and responsiveness. FASEB Journal, 2012, 26, 4561-4575.	0.2	45
128	Lentivirus Gene Transfer in Murine Hematopoietic Progenitor Cells Is Compromised by a Delay in Proviral Integration and Results in Transduction Mosaicism and Heterogeneous Gene Expression in Progeny Cells. Journal of Virology, 2000, 74, 11911-11918.	1.5	44
129	Prototype Foamy Virus Bet Impairs the Dimerization and Cytosolic Solubility of Human APOBEC3G. Journal of Virology, 2013, 87, 9030-9040.	1.5	43
130	Global and Stage Specific Patterns of KrÃ¼ppel-Associated-Box Zinc Finger Protein Gene Expression in Murine Early Embryonic Cells. PLoS ONE, 2013, 8, e56721.	1.1	43
131	Lentivirus-mediated transduction of connexin cDNAs shows level- and isoform-specific alterations in insulin secretion of primary pancreaticÎ²-cells. Journal of Cell Science, 2003, 116, 2285-2294.	1.2	42
132	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. Blood, 2012, 119, 1139-1150.	0.6	41
133	KAP1 regulates gene networks controlling mouse B-lymphoid cell differentiation and function. Blood, 2012, 119, 4675-4685.	0.6	39
134	The mouse genome displays highly dynamic populations of KRAB-zinc finger protein genes and related genetic units. PLoS ONE, 2017, 12, e0173746.	1.1	39
135	Individual retrotransposon integrants are differentially controlled by KZFP/KAP1-dependent histone methylation, DNA methylation and TET-mediated hydroxymethylation in naÃ¯ve embryonic stem cells. Epigenetics and Chromatin, 2018, 11, 7.	1.8	39
136	A highly potent antibody effective against SARS-CoV-2 variants of concern. Cell Reports, 2021, 37, 109814.	2.9	39
137	Persistence of anti-SARS-CoV-2 antibodies: immunoassay heterogeneity and implications for serosurveillance. Clinical Microbiology and Infection, 2021, 27, 1695.e7-1695.e12.	2.8	38
138	Properties of LINE-1 proteins and repeat element expression in the context of amyotrophic lateral sclerosis. Mobile DNA, 2018, 9, 35.	1.3	37
139	A cis-acting structural variation at the ZNF558 locus controls a gene regulatory network in human brain development. Cell Stem Cell, 2022, 29, 52-69.e8.	5.2	37
140	Endogenous retroviruses drive KRAB zinc-finger protein family expression for tumor suppression. Science Advances, 2020, 6, .	4.7	36
141	Lentiviral Vectors Interfering with Virus-Induced CD4 Down-Modulation Potently Block Human Immunodeficiency Virus Type 1 Replication in Primary Lymphocytes. Journal of Virology, 2004, 78, 13072-13081.	1.5	34
142	Transposable Elements, Polydactyl Proteins, and the Genesis of Human-Specific Transcription Networks. Cold Spring Harbor Symposia on Quantitative Biology, 2015, 80, 281-288.	2.0	34
143	Intracellular Immunization:Trans-Dominant Mutants of HIV Gene Products as Tools for the Study and Interruption of Viral Replication. AIDS Research and Human Retroviruses, 1992, 8, 1013-1022.	0.5	33
144	The HIV Nef Protein Alters Ca2+ Signaling in Myelomonocytic Cells through SH3-mediated Protein-Protein Interactions. Journal of Biological Chemistry, 1999, 274, 34765-34772.	1.6	33

#	Article	IF	Citations
145	Human Immunodeficiency Virus Type 1 Matrix Protein Interacts with Cellular Protein HO3. Journal of Virology, 1998, 72, 1671-1676.	1.5	33
146	VIROLOGY: Picking the Right Spot. Science, 2003, 300, 1670-1671.	6.0	32
147	KAP1 facilitates reinstatement of heterochromatin after DNA replication. Nucleic Acids Research, 2018, 46, 8788-8802.	6.5	32
148	Living in oblivion: HIV immune evasion. Seminars in Immunology, 2001, 13, 51-57.	2.7	30
149	Lentiviral Vectors and Antiretroviral Intrinsic Immunity. Human Gene Therapy, 2005, 16, 913-920.	1.4	30
150	Genotypic Features of Lentivirus Transgenic Mice. Journal of Virology, 2008, 82, 7111-7119.	1.5	30
151	ZFP30 promotes adipogenesis through the KAP1-mediated activation of a retrotransposon-derived Pparg2 enhancer. Nature Communications, 2019, 10, 1809.	5.8	30
152	Large variation in anti-SARS-CoV-2 antibody prevalence among essential workers in Geneva, Switzerland. Nature Communications, 2021, 12, 3455.	5.8	30
153	Interfering Residues Narrow the Spectrum of MLV Restriction by Human TRIM5Î±. PLoS Pathogens, 2007, 3, e200.	2.1	29
154	Inducible Gene and shRNA Expression in Resident Hematopoietic Stem Cells In Vivo Â. Stem Cells, 2010, 28, 1390-1398.	1.4	29
155	Inhibition of HIV-1 in cell culture by oligonucleotide-loaded nanoparticles. Pharmaceutical Research, 2001, 18, 1096-1101.	1.7	28
156	Biosafety in Ex Vivo Gene Therapy and Conditional Ablation of Lentivirally Transduced Hepatocytes in Nonhuman Primates. Molecular Therapy, 2009, 17, 1754-1760.	3.7	28
157	The Specificity of TRIM5Î±-Mediated Restriction Is Influenced by Its Coiled-Coil Domain. Journal of Virology, 2010, 84, 5790-5801.	1.5	27
158	Transposable elements and their KZFP controllers are drivers of transcriptional innovation in the developing human brain. Genome Research, 2021, 31, 1531-1545.	2.4	27
159	A gene-rich, transcriptionally active environment and the pre-deposition of repressive marks are predictive of susceptibility to KRAB/KAP1-mediated silencing. BMC Genomics, 2011, 12, 378.	1.2	26
160	A Simple and Highly Effective Method for the Stable Transduction of Uncultured Porcine Hepatocytes Using Lentiviral Vector. Cell Transplantation, 2005, 14, 489-496.	1.2	25
161	APOBEC3G-Depleted Resting CD4+ T Cells Remain Refractory to HIV1 Infection. PLoS ONE, 2009, 4, e6571.	1.1	25
162	Regulation of Episomal Gene Expression by KRAB/KAP1-Mediated Histone Modifications. Journal of Virology, 2009, 83, 5574-5580.	1.5	25

#	Article	IF	Citations
163	Drawing a fine line on endogenous retroelement activity. Mobile Genetic Elements, 2015, 5, 1-6.	1.8	25
164	A Systematic Enhancer Screen Using Lentivector Transgenesis Identifies Conserved and Non-Conserved Functional Elements at the Olig1 and Olig2 Locus. PLoS ONE, 2010, 5, e15741.	1.1	25
165	Venus trap in the mouse embryo reveals distinct molecular dynamics underlying specification of first embryonic lineages. EMBO Reports, 2015, 16, 1005-1021.	2.0	24
166	Microfluidic characterisation reveals broad range of SARS-CoV-2 antibody affinity in human plasma. Life Science Alliance, 2022, 5, e202101270.	1.3	24
167	Human reproduction is regulated by retrotransposons derived from ancient Hominidae-specific viral infections. Nature Communications, 2022, 13, 463.	5.8	24
168	Transduction of CpG DNA-stimulated primary human B cells with bicistronic lentivectors. Molecular Therapy, 2005, 12, 892-899.	3.7	23
169	Ataxia-Telangiectasia-Mutated (ATM) Protein Can Enhance Human Immunodeficiency Virus Type 1 Replication by Stimulating Rev Function. Journal of Virology, 2006, 80, 2445-2452.	1.5	23
170	Lentivirus-mediated gene transfer of gp91phox corrects chronic granulomatous disease (CGD) phenotype in human X-CGD cells. Journal of Gene Medicine, 2000, 2, 317-325.	1.4	22
171	VEGFR-3 Neutralization Inhibits Ovarian Lymphangiogenesis, Follicle Maturation, and Murine Pregnancy. American Journal of Pathology, 2013, 183, 1596-1607.	1.9	22
172	A Dissection of Oligomerization by the TRIM28 Tripartite Motif and the Interaction with Members of the Krab-ZFP Family. Journal of Molecular Biology, 2019, 431, 2511-2527.	2.0	22
173	Pharmacological Induction of a Progenitor State for the Efficient Expansion of Primary Human Hepatocytes. Hepatology, 2019, 69, 2214-2231.	3.6	22
174	APOBEC3-Independent Interferon-Induced Viral Clearance in Hepatitis B Virus Transgenic Mice. Journal of Virology, 2008, 82, 6585-6590.	1.5	21
175	When accessories turn out to be essential. Nature Medicine, 1998, 4, 1368-1369.	15.2	20
176	KRAB Can Repress Lentivirus Proviral Transcription Independently of Integration Site*. Journal of Biological Chemistry, 2006, 281, 35742-35746.	1.6	19
177	Chromosome Conformation Capture Uncovers Potential Genome-Wide Interactions between Human Conserved Non-Coding Sequences. PLoS ONE, 2011, 6, e17634.	1.1	19
178	KRAB zinc finger protein ZNF676 controls the transcriptional influence of LTR12-related endogenous retrovirus sequences. Mobile DNA, 2022, 13, 4.	1.3	19
179	HIV-1 Vpr and p21 restrict LINE-1 mobility. Nucleic Acids Research, 2018, 46, 8454-8470.	6.5	18
180	Molecular mechanism of hepcidin deficiency in a patient with juvenile hemochromatosis. Haematologica, 2007, 92, 127-128.	1.7	17

#	Article	IF	Citations
181	In Response to Freed et al. Cell, 1997, 88, 173-174.	13.5	16
182	Antiprion Prophylaxis by Gene Transfer of a Soluble Prion Antagonist. American Journal of Pathology, 2008, 172, 1287-1296.	1.9	16
183	KAP1 is an antiparallel dimer with a functional asymmetry. Life Science Alliance, 2019, 2, e201900349.	1.3	16
184	Homology-based Identification of Capsid Determinants That Protect HIV1 from Human TRIM5Î± Restriction. Journal of Biological Chemistry, 2011, 286, 8128-8140.	1.6	15
185	The KrÃ¼ppel-associated Box Repressor Domain Can Induce Reversible Heterochromatization of a Mouse Locus in Vivo. Journal of Biological Chemistry, 2012, 287, 25361-25369.	1.6	15
186	As Time Goes by: KRABs Evolve to KAP Endogenous Retroelements. Developmental Cell, 2014, 31, 257-258.	3.1	15
187	Polyphenic trait promotes liver cancer in a model of epigenetic instability in mice. Hepatology, 2017, 66, 235-251.	3.6	15
188	The Human RNA Helicase DDX21 Presents a Dimerization Interface Necessary for Helicase Activity. IScience, 2020, 23, 101811.	1.9	15
189	The evolution of gene expression and binding specificity of the largest transcription factor family in primates. Evolution; International Journal of Organic Evolution, 2016, 70, 167-180.	1.1	12
190	Lentiviral Vector Mediated Transgenesis. Current Protocols in Mouse Biology, 2011, 1, 169-184.	1.2	10
191	KAP1 targets actively transcribed genomic loci to exert pleomorphic effects on RNA polymerase II activity. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190334.	1.8	7
192	Gene therapy: too much splice can spoil the dish. Journal of Clinical Investigation, 2012, 122, 1600-1602.	3.9	7
193	Occupational risk of SARS-CoV-2 infection and reinfection during the second pandemic surge: a cohort study. Occupational and Environmental Medicine, 2022, 79, 116-119.	1.3	7
194	Retroviruses under editing crossfire. EMBO Reports, 2004, 5, 679-680.	2.0	6
195	Transposable elements contribute to the spatiotemporal microRNA landscape in human brain development. Rna, 2022, 28, 1157-1171.	1.6	6
196	Nef and PAK: virulence factor and cellular accomplice. Chemistry and Biology, 1997, 4, 13-15.	6.2	5
197	Profaning the Ultimate Sanctuary: HIV Latency in Hematopoietic Stem Cells. Cell Host and Microbe, 2011, 9, 170-172.	5.1	4
198	A Large-Scale Functional Screen to Identify Epigenetic Repressors of Retrotransposon Expression. Methods in Molecular Biology, 2016, 1400, 403-417.	0.4	3

#	Article	IF	Citations
199	A Highly Potent Antibody Effective Against SARS-CoV-2 Variants of Concern. SSRN Electronic Journal, 0, , .	0.4	2
200	Switzerland and the Digital Health Revolution. Chimia, 2016, 70, 851-852.	0.3	1
201	A KRABsody for Embryo-Placental Development. Developmental Cell, 2017, 41, 578-580.	3.1	1
202	Getting in shape. Trends in Microbiology, 1997, 5, 126.	3.5	0
203	288. Dual-Regulated Lentiviral Vector for Gene Therapy of X-Linked Chronic Granulomatous Disease. Molecular Therapy, 2015, 23, S115-S116.	3.7	0