FranÃ§ois-LoÃ¯c Cosset

List of Publications by Year
in descending order

275 papers	21,350 citations	8159 76 h-index	12233 133 g-index
283 all docs	283 docs citations	283 times ranked	16265 citing authors

#	Article	IF	Citations
1	Infectious Hepatitis C Virus Pseudo-particles Containing Functional E1â€“E2 Envelope Protein Complexes. Journal of Experimental Medicine, 2003, 197, 633-642.	4.2	1,008
2	Construction and characterization of infectious intragenotypic and intergenotypic hepatitis C virus chimeras. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7408-7413.	3.3	651
3	High-titer packaging cells producing recombinant retroviruses resistant to human serum. Journal of Virology, 1995, 69, 7430-7436.	1.5	650
4	EGFR and EphA2 are host factors for hepatitis C virus entry and possible targets for antiviral therapy. Nature Medicine, 2011, 17, 589-595.	15.2	631
5	An Envelope Glycoprotein of the Human Endogenous Retrovirus HERV-W Is Expressed in the Human Placenta and Fuses Cells Expressing the Type D Mammalian Retrovirus Receptor. Journal of Virology, 2000, 74, 3321-3329.	1.5	611
6	Cell Entry of Hepatitis C Virus Requires a Set of Co-receptors That Include the CD81 Tetraspanin and the SR-B1 Scavenger Receptor. Journal of Biological Chemistry, 2003, 278, 41624-41630.	1.6	525
7	Rapid induction of virus-neutralizing antibodies and viral clearance in a single-source outbreak of hepatitis C. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 6025-6030.	3.3	478
8	In vitro assay for neutralizing antibody to hepatitis C virus: Evidence for broadly conserved neutralization epitopes. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 14199-14204.	3.3	297
9	Sensitization of cells and retroviruses to human serum by (Î±l-3) galactosyltransferase. Nature, 1996, 379, 85-88.	13.7	284
10	Viral vectors: from virology to transgene expression. British Journal of Pharmacology, 2009, 157, 153-165.	2.7	282
11	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
12	A longitudinal study of SARS-CoV-2-infected patients reveals a high correlation between neutralizing antibodies and COVID-19 severity. Cellular and Molecular Immunology, 2021, 18, 318-327.	4.8	270
13	Monoclonal Antibody AP33 Defines a Broadly Neutralizing Epitope on the Hepatitis C Virus E2 Envelope Glycoprotein. Journal of Virology, 2005, 79, 11095-11104.	1.5	262
14	An Interplay between Hypervariable Region 1 of the Hepatitis C Virus E2 Glycoprotein, the Scavenger Receptor BI, and High-Density Lipoprotein Promotes both Enhancement of Infection and Protection against Neutralizing Antibodies. Journal of Virology, 2005, 79, 8217-8229.	1.5	261
15	Human Serum Facilitates Hepatitis C Virus Infection, and Neutralizing Responses Inversely Correlate with Viral Replication Kinetics at the Acute Phase of Hepatitis C Virus Infection. Journal of Virology, 2005, 79, 6023-6034.	1.5	246
16	Characterization of host-range and cell entry properties of the major genotypes and subtypes of hepatitis C virus. Hepatology, 2005, 41, 265-274.	3.6	234
17	Towards an HBV cure: state-of-the-art and unresolved questionsâ€”report of the ANRS workshop on HBV cure. Gut, 2015, 64, 1314-1326.	6.1	234
18	Evidence for cross-genotype neutralization of hepatitis C virus pseudo-particles and enhancement of infectivity by apolipoprotein C1. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4560-4565.	3.3	231

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19	Role of N-Linked Glycans in the Functions of Hepatitis C Virus Envelope Glycoproteins. Journal of Virology, 2005, 79, 8400-8409.	1.5	231
20	Scavenger receptor class B type I is a key host factor for hepatitis C virus infection required for an entry step closely linked to CD81. Hepatology, 2007, 46, 1722-1731.	3.6	222
21	The SARS-CoV-2 envelope and membrane proteins modulate maturation and retention of the spike protein, allowing assembly of virus-like particles. Journal of Biological Chemistry, 2021, 296, 100111.	1.6	211
22	Characterization of novel safe lentiviral vectors derived from simian immunodeficiency virus (SIVmac251) that efficiently transduce mature human dendritic cells. Gene Therapy, 2000, 7, 1613-1623.	2.3	204
23	Characterization of Functional Hepatitis C Virus Envelope Glycoproteins. Journal of Virology, 2004, 78, 2994-3002.	1.5	198
24	Genome editing in primary cells and in vivo using viral-derived Nanoblades loaded with Cas9-sgRNA ribonucleoproteins. Nature Communications, 2019, 10, 45.	5.8	195
25	High Density Lipoprotein Inhibits Hepatitis C Virus-neutralizing Antibodies by Stimulating Cell Entry via Activation of the Scavenger Receptor BI. Journal of Biological Chemistry, 2006, 281, 18285-18295.	1.6	186
26	Immunogenicity and efficacy of â€Šâ€Šâ€Šâ€Šâ€Šâ€Šâ€Šheterologous ChAdOx1â€“BNT162b2 vaccination. Nature, 2021, 600, 701-706.	13.7	180
27	The Tight Junction Proteins Claudin-1, -6, and -9 Are Entry Cofactors for Hepatitis C Virus. Journal of Virology, 2008, 82, 3555-3560.	1.5	178
28	Continuous high-titer HIV-1 vector production. Nature Biotechnology, 2003, 21, 569-572.	9.4	172
29	The Envelope Glycoprotein of Human Endogenous Retrovirus Type W Uses a Divergent Family of Amino Acid Transporters/Cell Surface Receptors. Journal of Virology, 2002, 76, 6442-6452.	1.5	171
30	Viral and Cellular Determinants of the Hepatitis C Virus Envelope-Heparan SulfateInteraction. Journal of Virology, 2006, 80, 10579-10590.	1.5	167
31	C-type Lectins L-SIGN and DC-SIGN Capture and Transmit Infectious Hepatitis C Virus Pseudotype Particles. Journal of Biological Chemistry, 2004, 279, 32035-32045.	1.6	166
32	Cell Cycle Features of Primate Embryonic Stem Cells. Stem Cells, 2006, 24, 547-556.	1.4	165
33	Characterization of Fusion Determinants Points to the Involvement of Three Discrete Regions of Both E1 and E2 Glycoproteins in the Membrane Fusion Process of Hepatitis C Virus. Journal of Virology, 2007, 81, 8752-8765.	1.5	157
34	Virology and cell biology of the hepatitis C virus life cycle â€“ An update. Journal of Hepatology, 2014, 61, S3-S13.	1.8	154
35	Mystery solved: VSV-G-LVs do not allow efficient gene transfer into unstimulated T cells, B cells, and HSCs because they lack the LDL receptor. Blood, 2014, 123, 1422-1424.	0.6	145
36	Inhibition of hepatitis C virus infection by anti-claudin-1 antibodies is mediated by neutralization of E2-CD81-Claudin-1 associations. Hepatology, 2010, 51, 1144-1157.	3.6	144

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37	HRas Signal Transduction Promotes Hepatitis C Virus Cell Entry by Triggering Assembly of the Host Tetraspanin Receptor Complex. Cell Host and Microbe, 2013, 13, 302-313.	5.1	141
38	Neutralizing antibodies to hepatitis C virus (HCV) in immune globulins derived from anti-HCV-positive plasma. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7705-7710.	3.3	140
39	Production of Infectious Hepatitis C Virus in Primary Cultures of Human Adult Hepatocytes. Gastroenterology, 2010, 139, 1355-1364.e6.	0.6	139
40	The Tight Junction-Associated Protein Occludin Is Required for a Postbinding Step in Hepatitis C Virus Entry and Infection. Journal of Virology, 2009, 83, 8012-8020.	1.5	138
41	Stable transduction of quiescent T cells without induction of cycle progression by a novel lentiviral vector pseudotyped with measles virus glycoproteins. Blood, 2008, 112, 4843-4852.	0.6	135
42	Kinases required in hepatitis C virus entry and replication highlighted by small interference RNA screening. FASEB Journal, 2009, 23, 3780-3789.	0.2	135
43	Development of Minimal Lentivirus Vectors Derived from Simian Immunodeficiency Virus (SIVmac251) and Their Use for Gene Transfer into Human Dendritic Cells. Journal of Virology, 2000, 74, 8307-8315.	1.5	132
44	Cell entry of hepatitis C virus. Virology, 2006, 348, 1-12.	1.1	131
45	A Concerted Action of Hepatitis C Virus P7 and Nonstructural Protein 2 Regulates Core Localization at the Endoplasmic Reticulum and Virus Assembly. PLoS Pathogens, 2011, 7, e1002144.	2.1	130
46	Glut1-mediated glucose transport regulates HIV infection. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2549-2554.	3.3	130
47	Viral entry and escape from antibody-mediated neutralization influence hepatitis C virus reinfection in liver transplantation. Journal of Experimental Medicine, 2010, 207, 2019-2031.	4.2	125
48	A Prime-Boost Strategy Using Virus-Like Particles Pseudotyped for HCV Proteins Triggers Broadly Neutralizing Antibodies in Macaques. Science Translational Medicine, 2011, 3, 94ra71.	5.8	125
49	Hepatitis C Virus Glycoproteins Mediate Low pH-dependent Membrane Fusion with Liposomes. Journal of Biological Chemistry, 2006, 281, 3909-3917.	1.6	119
50	High Levels of Transduction of Human Dendritic Cells with Optimized SIV Vectors. Molecular Therapy, 2002, 5, 283-290.	3.7	115
51	Targeted infection of human cells via major histocompatibility complex class I molecules by Moloney murine leukemia virus-derived viruses displaying single-chain antibody fragment-envelope fusion proteins. Journal of Virology, 1996, 70, 2957-2962.	1.5	112
52	Baboon envelope pseudotyped LVs outperform VSV-G-LVs for gene transfer into early-cytokine-stimulated and resting HSCs. Blood, 2014, 124, 1221-1231.	0.6	109
53	Receptor Complementation and Mutagenesis Reveal SR-BI as an Essential HCV Entry Factor and Functionally Imply Its Intra- and Extra-Cellular Domains. PLoS Pathogens, 2009, 5, e1000310.	2.1	107
54	Mechanism of Inhibition of Enveloped Virus Membrane Fusion by the Antiviral Drug Arbidol. PLoS ONE, 2011, 6, e15874.	1.1	106

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55	Characterization of Hepatitis C Virus Particle Subpopulations Reveals Multiple Usage of the Scavenger Receptor BI for Entry Steps. Journal of Biological Chemistry, 2012, 287, 31242-31257.	1.6	104
56	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
57	Hepatitis C virus replication cycle. Journal of Hepatology, 2010, 53, 583-585.	1.8	101
58	Enveloped viruses distinct from HBV induce dissemination of hepatitis D virus in vivo. Nature Communications, 2019, 10, 2098.	5.8	101
59	TRF2 inhibits a cell-extrinsic pathway through which natural killer cells eliminate cancer cells. Nature Cell Biology, 2013, 15, 818-828.	4.6	99
60	A Gene Delivery System Activatable by Disease-Associated Matrix Metalloproteinases. Human Gene Therapy, 1997, 8, 729-738.	1.4	94
61	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
62	Organ distribution of gene expression after intravenous infusion of targeted and untargeted lentiviral vectors. Gene Therapy, 2001, 8, 1456-1463.	2.3	89
63	Analysis of a Highly Flexible Conformational Immunogenic Domain A in Hepatitis C Virus E2. Journal of Virology, 2005, 79, 13199-13208.	1.5	89
64	The Mechanism of HCV Entry into Host Cells. Progress in Molecular Biology and Translational Science, 2015, 129, 63-107.	0.9	89
65	High-density lipoproteins reduce the neutralizing effect of hepatitis C virus (HCV)-infected patient antibodies by promoting HCV entry. Journal of General Virology, 2006, 87, 2577-2581.	1.3	88
66	Comparison of Efficiency of Infection of Human Gene Therapy Target CellsviaFour Different Retroviral Receptors. Human Gene Therapy, 1996, 7, 913-919.	1.4	87
67	Modifying the host range properties of retroviral vectors. Journal of Gene Medicine, 1999, 1, 300-311.	1.4	87
68	Hepatitis C Virus Is Primed by CD81 Protein for Low pH-dependent Fusion. Journal of Biological Chemistry, 2011, 286, 30361-30376.	1.6	87
69	Nipah Virus Uses Leukocytes for Efficient Dissemination within a Host. Journal of Virology, 2011, 85, 7863-7871.	1.5	86
70	Retrovirus-Mediated Gene Transfer into Human CD34⁺38^{low}Primitive Cells Capable of Reconstituting Long-Term CulturesIn Vitroand Nonobese Diabeticâ€“Severe Combined Immunodeficiency MiceIn Vivo. Human Gene Therapy, 1998, 9, 1497-1511.	1.4	84
71	Vaccine-induced early control of hepatitis C virus infection in chimpanzees fails to impact on hepatic PD-1 and chronicity. Hepatology, 2007, 45, 602-613.	3.6	84
72	Critical interaction between E1 and E2 glycoproteins determines binding and fusion properties of hepatitis C virus during cell entry. Hepatology, 2014, 59, 776-788.	3.6	83

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73	Efficient and stable transduction of resting B lymphocytes and primary chronic lymphocyte leukemia cells using measles virus gp displaying lentiviral vectors. Blood, 2009, 114, 3173-3180.	0.6	82
74	TLX Homeodomain Oncogenes Mediate T Cell Maturation Arrest in T-ALL via Interaction with ETS1 and Suppression of TCRÎ± Gene Expression. Cancer Cell, 2012, 21, 563-576.	7.7	81
75	The Exchangeable Apolipoprotein ApoC-I Promotes Membrane Fusion of Hepatitis C Virus. Journal of Biological Chemistry, 2007, 282, 32357-32369.	1.6	80
76	Biochemical Mechanism of Hepatitis C Virus Inhibition by the Broad-Spectrum Antiviral Arbidol. Biochemistry, 2007, 46, 6050-6059.	1.2	80
77	Matrigel-embedded 3D culture of Huh-7 cells as a hepatocyte-like polarized system to study hepatitis C virus cycle. Virology, 2012, 425, 31-39.	1.1	80
78	Activation of a Cell Entry Pathway Common to Type C Mammalian Retroviruses by Soluble Envelope Fragments. Journal of Virology, 2000, 74, 295-304.	1.5	79
79	Synthesis, Assembly, and Processing of the Env ERVWE1/Syncytin Human Endogenous Retroviral Envelope. Journal of Virology, 2005, 79, 5585-5593.	1.5	78
80	Amphipathic DNA Polymers Inhibit Hepatitis C Virus Infection by Blocking Viral Entry. Gastroenterology, 2009, 137, 673-681.	0.6	78
81	Strategies for Targeting Lentiviral Vectors. Current Gene Therapy, 2008, 8, 449-460.	0.9	76
82	Atad2 is a generalist facilitator of chromatin dynamics in embryonic stem cells. Journal of Molecular Cell Biology, 2016, 8, 349-362.	1.5	76
83	Retargeting gene delivery using surface-engineered retroviral vector particles. Current Opinion in Biotechnology, 2001, 12, 461-466.	3.3	75
84	Five Recombinant Simian Immunodeficiency Virus Pseudotypes Lead to Exclusive Transduction of Retinal Pigmented Epithelium in Rat. Molecular Therapy, 2002, 6, 446-454.	3.7	75
85	Important Role for the Transmembrane Domain of Severe Acute Respiratory Syndrome Coronavirus Spike Protein during Entry. Journal of Virology, 2006, 80, 1302-1310.	1.5	75
86	Sustained E2 antibody response correlates with reduced peak viremia after hepatitis C virus infection in the chimpanzee. Hepatology, 2005, 42, 1429-1436.	3.6	74
87	Basic Residues in Hypervariable Region 1 of Hepatitis C Virus Envelope Glycoprotein E2 Contribute to Virus Entry. Journal of Virology, 2005, 79, 15331-15341.	1.5	74
88	HCV transmission by hepatic exosomes establishes a productive infection. Journal of Hepatology, 2014, 60, 674-675.	1.8	74
89	Activation of Membrane Fusion by Murine Leukemia Viruses Is Controlled in cis or in trans by Interactions between the Receptor-Binding Domain and a Conserved Disulfide Loop of the Carboxy Terminus of the Surface Glycoprotein. Journal of Virology, 2001, 75, 3685-3695.	1.5	73
90	Protection Against Henipavirus Infection by Use of Recombinant Adeno-Associated Virusâ€“Vector Vaccines. Journal of Infectious Diseases, 2013, 207, 469-478.	1.9	72

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91	In vivo selection of protease cleavage sites from retrovirus display libraries. Nature Biotechnology, 1998, 16, 951-954.	9.4	71
92	Intracellular Trafficking of Gag and Env Proteins and Their Interactions Modulate Pseudotyping of Retroviruses. Journal of Virology, 2004, 78, 7153-7164.	1.5	68
93	Selective transduction of protease-rich tumors by matrix-metalloproteinase-targeted retroviral vectors. Gene Therapy, 1999, 6, 1552-1557.	2.3	66
94	Cell Entry of Enveloped Viruses. Advances in Genetics, 2011, 73, 121-183.	0.8	66
95	Mutations That Alter Use of Hepatitis C Virus Cell Entry Factors Mediate Escape From Neutralizing Antibodies. Gastroenterology, 2012, 143, 223-233.e9.	0.6	66
96	The postbinding activity of scavenger receptor class B type I mediates initiation of hepatitis C virus infection and viral dissemination. Hepatology, 2013, 57, 492-504.	3.6	66
97	A new avian leukosis virus-based packaging cell line that uses two separate transcomplementing helper genomes. Journal of Virology, 1990, 64, 1070-1078.	1.5	66
98	Highly Efficient Retrovirus-Mediated Gene Transfer into Rat HepatocytesIn Vivo. Human Gene Therapy, 1997, 8, 1491-1494.	1.4	65
99	Neutralizing Host Responses in Hepatitis C Virus Infection Target Viral Entry at Postbinding Steps and Membrane Fusion. Gastroenterology, 2008, 135, 1719-1728.e1.	0.6	65
100	Characterization of HIV-1 vectors with gammaretrovirus envelope glycoproteins produced from stable packaging cells. Gene Therapy, 2004, 11, 591-598.	2.3	64
101	Packaging of Endogenous Retroviral Sequences in Retroviral Vectors Produced by Murine and Human Packaging Cells. Journal of Virology, 1998, 72, 2671-2676.	1.5	64
102	Advances in the Field of Lentivector-based Transduction of T and B Lymphocytes for Gene Therapy. Molecular Therapy, 2010, 18, 1748-1757.	3.7	62
103	Human monoclonal antibodies that react with the E2 glycoprotein of hepatitis C virus and possess neutralizing activity. Hepatology, 2005, 42, 1055-1062.	3.6	61
104	Germline transmission of exogenous genes in chickens using helper-free ecotropic avian leukosis virus-based vectors. Transgenic Research, 1995, 4, 369-377.	1.3	60
105	Intracellular Versus Cell Surface Assembly of Retroviral Pseudotypes Is Determined by the Cellular Localization of the Viral Glycoprotein, Its Capacity to Interact with Gag, and the Expression of the Nef Protein. Journal of Biological Chemistry, 2006, 281, 528-542.	1.6	60
106	Measles Virus Glycoprotein-Pseudotyped Lentiviral Vector-Mediated Gene Transfer into Quiescent Lymphocytes Requires Binding to both SLAM and CD46 Entry Receptors. Journal of Virology, 2011, 85, 5975-5985.	1.5	60
107	X-linked primary immunodeficiency associated with hemizygous mutations in the moesin (MSN) gene. Journal of Allergy and Clinical Immunology, 2016, 138, 1681-1689.e8.	1.5	60
108	Haploinsufficiency for NR3C1, the gene encoding the glucocorticoid receptor, in blastic plasmacytoid dendritic cell neoplasms. Blood, 2016, 127, 3040-3053.	0.6	60

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109	Poloâ€likeâ€kinase 1 is a proviral host factor for hepatitis B virus replication. Hepatology, 2017, 66, 1750-1765.	3.6	60
110	Hepatitis C Virus Envelope Glycoprotein E1 Forms Trimers at the Surface of the Virion. Journal of Virology, 2015, 89, 10333-10346.	1.5	59
111	A New System for Stringent, High-Titer Vesicular Stomatitis Virus G Protein-Pseudotyped Retrovirus Vector Induction by Introduction of Cre Recombinase into Stable Prepackaging Cell Lines. Journal of Virology, 1998, 72, 1115-1121.	1.5	59
112	Retroviral Display of Antibody Fragments; Interdomain Spacing Strongly Influences Vector Infectivity. Human Gene Therapy, 1996, 7, 2157-2164.	1.4	58
113	Functional Characterization of Adenoviral/Retroviral Chimeric Vectors and Their Use for Efficient Screening of Retroviral Producer Cell Lines. Human Gene Therapy, 1999, 10, 189-200.	1.4	58
114	Retroviral Display of Functional Binding Domains Fused to the Amino Terminus of Influenza Hemagglutinin. Human Gene Therapy, 1999, 10, 1533-1544.	1.4	57
115	Induction of neutralising antibodies by virus-like particles harbouring surface proteins from highly pathogenic H5N1 and H7N1 influenza viruses. Virology Journal, 2006, 3, 70.	1.4	57
116	IL-7RÎ± Gene Expression Is Inversely Correlated with Cell Cycle Progression in IL-7-Stimulated T Lymphocytes. Journal of Immunology, 2006, 176, 6702-6708.	0.4	57
117	Direct antiviral properties of TLR ligands against HBV replication in immune-competent hepatocytes. Scientific Reports, 2018, 8, 5390.	1.6	57
118	Retroviral Vector Targeting to Melanoma Cells by Single-Chain Antibody Incorporation in Envelope. Human Gene Therapy, 1998, 9, 737-746.	1.4	55
119	Identification of an Envelope Protein from the FRD Family of Human Endogenous Retroviruses (HERV-FRD) Conferring Infectivity and Functional Conservation among Simians. Journal of Virology, 2004, 78, 1050-1054.	1.5	55
120	Overview of HCV Life Cycle with a Special Focus on Current and Possible Future Antiviral Targets. Viruses, 2019, 11, 30.	1.5	55
121	DNA vaccines encoding retrovirus-based virus-like particles induce efficient immune responses without adjuvant. Vaccine, 2006, 24, 2643-2655.	1.7	53
122	Evidence for Protection against Chronic Hepatitis C Virus Infection in Chimpanzees by Immunization with Replicating Recombinant Vaccinia Virus. Journal of Virology, 2008, 82, 10896-10905.	1.5	53
123	Surface-engineering of lentiviral vectors. Journal of Gene Medicine, 2004, 6, S83-S94.	1.4	52
124	A Hyperfusogenic Gibbon Ape Leukemia Envelope Glycoprotein: Targeting of a Cytotoxic Gene by Ligand Display. Human Gene Therapy, 2000, 11, 817-826.	1.4	51
125	Strategies for Retargeted Gene Delivery Using Vectors Derived from Lentiviruses. Current Gene Therapy, 2004, 4, 427-443.	0.9	51
126	Assembly of functional hepatitis C virus glycoproteins on infectious pseudoparticles occurs intracellularly and requires concomitant incorporation of E1 and E2 glycoproteins. Journal of General Virology, 2005, 86, 3189-3199.	1.3	51

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127	Reduction of the infectivity of hepatitis C virus pseudoparticles by incorporation of misfolded glycoproteins induced by glucosidase inhibitors. Journal of General Virology, 2007, 88, 1133-1143.	1.3	51
128	A Point Mutation Leading to Hepatitis C Virus Escape from Neutralization by a Monoclonal Antibody to a Conserved Conformational Epitope. Journal of Virology, 2008, 82, 6067-6072.	1.5	51
129	Characterization of Lassa Virus Cell Entry and Neutralization with Lassa Virus Pseudoparticles. Journal of Virology, 2009, 83, 3228-3237.	1.5	51
130	Retrovirus Targeting by Tropism Restriction to Melanoma Cells. Journal of Virology, 1999, 73, 6923-6929.	1.5	51
131	Significant Redox Insensitivity of the Functions of the SARS-CoV Spike Glycoprotein. Journal of Biological Chemistry, 2006, 281, 9200-9204.	1.6	49
132	Detection of the hepatitis B virus (HBV) covalently-closed-circular DNA (cccDNA) in mice transduced with a recombinant AAV-HBV vector. Antiviral Research, 2017, 145, 14-19.	1.9	49
133	Retroviral Vectors Pseudotyped with Lymphocytic Choriomeningitis Virus. Journal of Virology, 1999, 73, 6114-6116.	1.5	47
134	Incorporation of Fowl Plague Virus Hemagglutinin into Murine Leukemia Virus Particles and Analysis of the Infectivity of the Pseudotyped Retroviruses. Journal of Virology, 1998, 72, 5313-5317.	1.5	46
135	Definition of an Amino-terminal Domain of the Human T-cell Leukemia Virus Type 1 Envelope Surface Unit That Extends the Fusogenic Range of an Ecotropic Murine Leukemia Virus. Journal of Biological Chemistry, 2000, 275, 23417-23420.	1.6	45
136	Use of blood outgrowth endothelial cells as virus-producing vectors for gene delivery to tumors. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H494-H500.	1.5	45
137	Contribution of the charged residues of hepatitis C virus glycoprotein E2 transmembrane domain to the functions of the E1E2 heterodimer. Journal of General Virology, 2005, 86, 2793-2798.	1.3	45
138	Modification of retroviral tropism by display of IGF-I 1 1Edited by J. Karn. Journal of Molecular Biology, 1999, 285, 485-494.	2.0	44
139	Host neutralizing responses and pathogenesis of hepatitis C virus infection. Hepatology, 2008, 48, 299-307.	3.6	44
140	Ciliary Beating Recovery in Deficient Human Airway Epithelial Cells after Lentivirus Ex Vivo Gene Therapy. PLoS Genetics, 2009, 5, e1000422.	1.5	43
141	Novel lentiviral vectors displaying â€œearly-acting cytokinesâ€•selectively promote survival and transduction of NOD/SCID repopulating human hematopoietic stem cells. Blood, 2005, 106, 3386-3395.	0.6	42
142	Receptor co-operation in retrovirus entry: recruitment of an auxiliary entry mechanism after retargeted binding. EMBO Journal, 1997, 16, 1214-1223.	3.5	41
143	Lentiviral transduction of human hematopoietic cells by HIV-1- and SIV-based vectors containing a bicistronic cassette driven by various internal promoters. Journal of Gene Medicine, 2005, 7, 1158-1171.	1.4	41
144	Scavenger receptor class B type I and the hypervariable region-1 of hepatitis C virus in cell entry and neutralisation. Expert Reviews in Molecular Medicine, 2011, 13, e13.	1.6	41

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145	Clearance of Genotype 1b Hepatitis C Virus in Chimpanzees in the Presence of Vaccine-Induced E1-Neutralizing Antibodies. Journal of Infectious Diseases, 2011, 204, 837-844.	1.9	41
146	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
147	Virus-like particle vaccine induces cross-protection against human metapneumovirus infections in mice. Vaccine, 2013, 31, 2778-2785.	1.7	41
148	A Lentiviral Vector Allowing Physiologically Regulated Membrane-anchored and Secreted Antibody Expression Depending on B-cell Maturation Status. Molecular Therapy, 2015, 23, 1734-1747.	3.7	41
149	Baboon envelope pseudotyped lentiviral vectors efficiently transduce human B cells and allow active factor IX B cell secretion in vivo in NOD/SCIDÎ³câ€/â€•mice. Journal of Thrombosis and Haemostasis, 2016, 14, 2478-2492.	1.9	41
150	Lentiviral Vector Pseudotypes: Precious Tools to Improve Gene Modification of Hematopoietic Cells for Research and Gene Therapy. Viruses, 2020, 12, 1016.	1.5	41
151	Masking of Retroviral Envelope Functions by Oligomerizing Polypeptide Adaptors. Virology, 1997, 234, 51-61.	1.1	40
152	High Level of Retrovirus-Mediated Gene Transfer into Dendritic Cells Derived from Cord Blood and Mobilized Peripheral Blood CD34+ Cells. Human Gene Therapy, 1999, 10, 175-187.	1.4	40
153	Activated macrophages promote hepatitis C virus entry in a tumor necrosis factor-dependent manner. Hepatology, 2014, 59, 1320-1330.	3.6	40
154	Studying HCV Cell Entry with HCV Pseudoparticles (HCVpp). Methods in Molecular Biology, 2009, 510, 279-293.	0.4	39
155	Surface engineering of lentiviral vectors for gene transfer into gene therapy target cells. Current Opinion in Pharmacology, 2015, 24, 79-85.	1.7	38
156	Inactivation of the IGF-I receptor gene in primary Sertoli cells highlights the autocrine effects of IGF-I. Journal of Endocrinology, 2007, 194, 557-568.	1.2	37
157	Measles virus envelope pseudotyped lentiviral vectors transduce quiescent human HSCs at an efficiency without precedent. Blood Advances, 2017, 1, 2088-2104.	2.5	37
158	Generation of a helper cell line for packaging avian leukosis virus-based vectors. Journal of Virology, 1989, 63, 513-522.	1.5	37
159	Hepatitis C virus has a genetically determined lymphotropism through co-receptor B7.2. Nature Communications, 2017, 8, 13882.	5.8	35
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