

# Jan Mnch

## 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.

163 papers	7,673 citations	43 h-index	84 g-index
182 ext. papers	9,618 ext. citations	10.3 avg, IF	5.87 L-index

#	Paper	IF	Citations
163	The Transmembrane Protease TMPRSS2 as a Therapeutic Target for COVID-19 Treatment.. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23,	6.3	5
162	SARS-CoV-2 Vaccination boosts Neutralizing Activity against Seasonal Human Coronaviruses.. <i>Clinical Infectious Diseases</i> , <b>2022</b> ,	11.6	2
161	Robust and durable serological response following pediatric SARS-CoV-2 infection.. <i>Nature Communications</i> , <b>2022</b> , 13, 128	17.4	6
160	Plastic Antibodies Mimicking the ACE2 Receptor for Selective Binding of SARS-CoV-2 Spike.. <i>Advanced Materials Interfaces</i> , <b>2022</b> , 9, 2101925	4.6	5
159	Endogenous Peptide Inhibitors of HIV Entry.. <i>Advances in Experimental Medicine and Biology</i> , <b>2022</b> , 1366, 65-85	3.6	
158	Macromolecular Viral Entry Inhibitors as Broad-Spectrum First-Line Antivirals with Activity against SARS-CoV-2.. <i>Advanced Science</i> , <b>2022</b> , e2201378	13.6	0
157	Immunodetection assays for the quantification of seasonal common cold coronaviruses OC43, NL63, or 229E infection confirm nirmatrelvir as broad coronavirus inhibitor. <i>Antiviral Research</i> , <b>2022</b> , 203, 105343	10.8	0
156	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	15.5	6
155	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	8.8	24
154	Development and Characterization of Magnetic SARS-CoV-2 Peptide-Imprinted Polymers. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	4
153	Virucidal activity of SARS-CoV-2 rapid antigen extraction buffers.. <i>Journal of Clinical Virology</i> , <b>2021</b> , 147, 105062	14.5	0
152	Negatively Charged Peptide Nanofibrils from Immunoglobulin Light Chain Sequester Viral Particles but Lack Cell-Binding and Viral Transduction-Enhancing Properties. <i>ACS Omega</i> , <b>2021</b> , 6, 7731-7738	3.9	0
151	Alpha-1 antitrypsin inhibits TMPRSS2 protease activity and SARS-CoV-2 infection. <i>Nature Communications</i> , <b>2021</b> , 12, 1726	17.4	32
150	SARS-CoV-2 variants B.1.351 and P.1 escape from neutralizing antibodies. <i>Cell</i> , <b>2021</b> , 184, 2384-2393.e12	56.2	459
149	Absence of the CXCR4 antagonist EPI-X4 from pharmaceutical human serum albumin preparations. <i>Journal of Translational Medicine</i> , <b>2021</b> , 19, 190	8.5	1
148	Antibody-mediated procoagulant platelets in SARS-CoV-2-vaccination associated immune thrombotic thrombocytopenia. <i>Haematologica</i> , <b>2021</b> , 106, 2170-2179	6.6	43
147	Increased in vitro Anti-HIV Activity of Caffeinium-Functionalized Polyoxometalates. <i>ChemMedChem</i> , <b>2021</b> , 16, 2727-2730	3.7	5

146	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	10.6	61
145	Carrageenan-containing over-the-counter nasal and oral sprays inhibit SARS-CoV-2 infection of airway epithelial cultures. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2021</b> , 320, L750-L756	5.8	19
144	Characterization of the SARS-CoV-2 Neutralization Potential of COVID-19-Convalescent Donors. <i>Journal of Immunology</i> , <b>2021</b> , 206, 2614-2622	5.3	14
143	A Fibrinogen Alpha Fragment Mitigates Chemotherapy-Induced Rearrangements. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 689063	5.3	
142	IFITM proteins promote SARS-CoV-2 infection and are targets for virus inhibition in vitro. <i>Nature Communications</i> , <b>2021</b> , 12, 4584	17.4	38
141	Immune responses against SARS-CoV-2 variants after heterologous and homologous ChAdOx1 nCoV-19/BNT162b2 vaccination. <i>Nature Medicine</i> , <b>2021</b> , 27, 1525-1529	50.5	141
140	Pasteurization Inactivates SARS-CoV-2-Spiked Breast Milk. <i>Pediatrics</i> , <b>2021</b> , 147,	7.4	11
139	Drug Inhibition of SARS-CoV-2 Replication in Human Pluripotent Stem Cell-Derived Intestinal Organoids. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , <b>2021</b> , 11, 935-948	7.9	33
138	Dual concentration-dependent effect of ascorbic acid on PAP(248-286) amyloid formation and SEVI-mediated HIV infection. <i>RSC Chemical Biology</i> , <b>2021</b> , 2, 1534-1545	3	0
137	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,	11.5	2
136	Supramolecular Peptide Nanofibrils with Optimized Sequences and Molecular Structures for Efficient Retroviral Transduction. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2009382	15.6	4
135	Targeting of CXCR4 by the Naturally Occurring CXCR4 Antagonist EPI-X4 in Waldenström's Macroglobulinemia. <i>Cancers</i> , <b>2021</b> , 13,	6.6	5
134	CD34T+ Humanized Mouse Model to Study Mucosal HIV-1 Transmission and Prevention. <i>Vaccines</i> , <b>2021</b> , 9,	5.3	2
133	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	14.6	176
132	Viral Transduction Enhancing Effect of EF-C Peptide Nanofibrils Is Mediated by Cellular Protrusions. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2104814	15.6	
131	Structural and functional basis for pan-CoV fusion inhibitors against SARS-CoV-2 and its variants with preclinical evaluation. <i>Signal Transduction and Targeted Therapy</i> , <b>2021</b> , 6, 288	21	13
130	The Molecular Tweezer CLR01 Inhibits Antibody-Resistant Cell-to-Cell Spread of Human Cytomegalovirus. <i>Viruses</i> , <b>2021</b> , 13,	6.2	2
129	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	6.7	2

128	Iota-Carrageenan Inhibits Replication of SARS-CoV-2 and the Respective Variants of Concern Alpha, Beta, Gamma and Delta.. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
127	New Antibacterial Peptides from the Freshwater Mollusk (Pilsbry, 1927). <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	5
126	A Placenta Derived C-Terminal Fragment of $\beta$ -Hemoglobin With Combined Antibacterial and Antiviral Activity. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 508	5.7	17
125	Inhaled and systemic heparin as a repurposed direct antiviral drug for prevention and treatment of COVID-19. <i>Clinical Medicine</i> , <b>2020</b> , 20, e218-e221	1.9	19
124	Detection of SARS-CoV-2 in human breastmilk. <i>Lancet, The</i> , <b>2020</b> , 395, 1757-1758	4.0	231
123	Undermining breastfeeding will not alleviate the COVID-19 pandemic - AuthorsTrepley. <i>Lancet, The</i> , <b>2020</b> , 396, 1065-1066	4.0	1
122	Microtiter plate-based antibody-competition assay to determine binding affinities and plasma/blood stability of CXCR4 ligands. <i>Scientific Reports</i> , <b>2020</b> , 10, 16036	4.9	5
121	Rapid, convenient and efficient kit-independent detection of SARS-CoV-2 RNA. <i>Journal of Virological Methods</i> , <b>2020</b> , 286, 113965	2.6	8
120	Peptide and peptide-based inhibitors of SARS-CoV-2 entry. <i>Advanced Drug Delivery Reviews</i> , <b>2020</b> , 167, 47-65	18.5	63
119	An enzyme-based immunodetection assay to quantify SARS-CoV-2 infection. <i>Antiviral Research</i> , <b>2020</b> , 181, 104882	10.8	25
118	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,	7.8	60
117	Respiratory $\beta$ -Microglobulin exerts pH dependent antimicrobial activity. <i>Virulence</i> , <b>2020</b> , 11, 1402-1414	4.7	2
116	Salivary extracellular vesicles inhibit Zika virus but not SARS-CoV-2 infection. <i>Journal of Extracellular Vesicles</i> , <b>2020</b> , 9, 1808281	16.4	10
115	Supramolecular Mechanism of Viral Envelope Disruption by Molecular Tweezers. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 17024-17038	16.4	14
114	Natural Inhibitor of Human Cytomegalovirus in Human Seminal Plasma. <i>Journal of Virology</i> , <b>2019</b> , 93,	6.6	7
113	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	10.6	53
112	Nucleic Acids as a Nature-Inspired Scaffold for Macromolecular Prodrugs of Nucleoside Analogues. <i>Advanced Science</i> , <b>2019</b> , 6, 1802095	13.6	3
111	PPI-Detect: A support vector machine model for sequence-based prediction of protein-protein interactions. <i>Journal of Computational Chemistry</i> , <b>2019</b> , 40, 1233-1242	3.5	32

110	Repeated semen exposure decreases cervicovaginal SIVmac251 infection in rhesus macaques. <i>Nature Communications</i> , <b>2019</b> , 10, 3753	17.4	3
109	Storage-Dependent Generation of Potent Anti-ZIKV Activity in Human Breast Milk. <i>Viruses</i> , <b>2019</b> , 11,	6.2	20
108	Control of TLR7-mediated type I IFN signaling in pDCs through CXCR4 engagement-A new target for lupus treatment. <i>Science Advances</i> , <b>2019</b> , 5, eaav9019	14.3	18
107	Bioassay for Endothelial Damage Mediators Retrieved by Hemoadsorption. <i>Scientific Reports</i> , <b>2019</b> , 9, 14522	4.9	3
106	Non-covalent hitchhiking on endogenous carriers as a protraction mechanism for antiviral macromolecular prodrugs. <i>Journal of Controlled Release</i> , <b>2019</b> , 294, 298-310	11.7	9
105	The molecular tweezer CLR01 inhibits Ebola and Zika virus infection. <i>Antiviral Research</i> , <b>2018</b> , 152, 26-35	10.8	24
104	Exploiting the human peptidome for novel antimicrobial and anticancer agents. <i>Bioorganic and Medicinal Chemistry</i> , <b>2018</b> , 26, 2719-2726	3.4	22
103	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,	6.6	7
102	Environmental Stability and Infectivity of Hepatitis C Virus (HCV) in Different Human Body Fluids. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 504	5.7	5
101	Structure, function and antagonism of semen amyloids. <i>Chemical Communications</i> , <b>2018</b> , 54, 7557-7569	5.8	19
100	Semen inhibits Zika virus infection of cells and tissues from the anogenital region. <i>Nature Communications</i> , <b>2018</b> , 9, 2207	17.4	26
99	Low Zika virus seroprevalence among pregnant women in North Central Nigeria, 2016. <i>Journal of Clinical Virology</i> , <b>2018</b> , 105, 35-40	14.5	13
98	Development of a high-throughput colorimetric Zika virus infection assay. <i>Medical Microbiology and Immunology</i> , <b>2017</b> , 206, 175-185	4	24
97	Natural amines inhibit activation of human plasmacytoid dendritic cells through CXCR4 engagement. <i>Nature Communications</i> , <b>2017</b> , 8, 14253	17.4	23
96	Generation and Characterization of Virus-Enhancing Peptide Nanofibrils Functionalized with Fluorescent Labels. <i>Bioconjugate Chemistry</i> , <b>2017</b> , 28, 1260-1270	6.3	4
95	Macromolecular Antiviral Agents against Zika, Ebola, SARS, and Other Pathogenic Viruses. <i>Advanced Healthcare Materials</i> , <b>2017</b> , 6, 1700748	10.1	23
94	Mucosal stromal fibroblasts markedly enhance HIV infection of CD4+ T cells. <i>PLoS Pathogens</i> , <b>2017</b> , 13, e1006163	7.6	38
93	Semen amyloids participate in spermatozoa selection and clearance. <i>ELife</i> , <b>2017</b> , 6,	8.9	45

92	Proteolytic processing of human serum albumin generates EPI-X4, an endogenous antagonist of CXCR4. <i>Journal of Leukocyte Biology</i> , <b>2016</b> , 99, 863-8	6.5	19
91	Combating HIV: what the human peptidome offers. <i>Future Virology</i> , <b>2016</b> , 11, 167-170	2.4	
90	Cathepsin G-mediated proteolytic degradation of MHC class I molecules to facilitate immune detection of human glioblastoma cells. <i>Cancer Immunology, Immunotherapy</i> , <b>2016</b> , 65, 283-91	7.4	17
89	Inactivation and Environmental Stability of Zika Virus. <i>Emerging Infectious Diseases</i> , <b>2016</b> , 22, 1685-7	10.2	33
88	Comparison of the effect of semen from HIV-infected and uninfected men on CD4+ T-cell infection. <i>Aids</i> , <b>2016</b> , 30, 1197-208	3.5	13
87	PEGylated Cationic Serum Albumin for Boosting Retroviral Gene Transfer. <i>ChemBioChem</i> , <b>2016</b> , 17, 1504-8	3.8	5
86	Interferon Alpha Subtype-Specific Suppression of HIV-1 Infection In Vivo. <i>Journal of Virology</i> , <b>2016</b> , 90, 6001-6013	6.6	77
85	Discovery and characterization of an endogenous CXCR4 antagonist. <i>Cell Reports</i> , <b>2015</b> , 11, 737-47	10.6	56
84	Improving preclinical models of HIV microbicide efficacy. <i>Trends in Microbiology</i> , <b>2015</b> , 23, 445-7	12.4	14
83	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	3.1	16
82	Lentiviral Nef proteins manipulate T cells in a subset-specific manner. <i>Journal of Virology</i> , <b>2015</b> , 89, 1986-2001	6.2	9
81	Enhancement and induction of HIV-1 infection through an assembled peptide derived from the CD4 binding site of gp120. <i>ChemBioChem</i> , <b>2015</b> , 16, 446-54	3.8	14
80	A molecular tweezer antagonizes seminal amyloids and HIV infection. <i>ELife</i> , <b>2015</b> , 4,	8.9	55
79	Analysis of nuclear actin by overexpression of wild-type and actin mutant proteins. <i>Histochemistry and Cell Biology</i> , <b>2014</b> , 141, 123-35	2.4	22
78	HIV-1 accessory proteins: Nef. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1087, 115-23	1.4	1
77	Cytoplasmic HIV-RNA in monocytes determines microglial activation and neuronal cell death in HIV-associated neurodegeneration. <i>Experimental Neurology</i> , <b>2014</b> , 261, 685-97	5.7	12
76	Discovery of modulators of HIV-1 infection from the human peptidome. <i>Nature Reviews Microbiology</i> , <b>2014</b> , 12, 715-22	22.2	23
75	TRIM proteins regulate autophagy and can target autophagic substrates by direct recognition. <i>Developmental Cell</i> , <b>2014</b> , 30, 394-409	10.2	217

74	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	6.6	40
73	Peptide nanofibrils as enhancers of retroviral gene transfer. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2014</b> , 6, 438-51	9.2	22
72	Prevention of contamination by xenotropic murine leukemia virus-related virus: susceptibility to alcohol-based disinfectants and environmental stability. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 2617-22	4.8	
71	Semen enhances HIV infectivity and impairs the antiviral efficacy of microbicides. <i>Science Translational Medicine</i> , <b>2014</b> , 6, 262ra157	17.5	53
70	Direct visualization of HIV-enhancing endogenous amyloid fibrils in human semen. <i>Nature Communications</i> , <b>2014</b> , 5, 3508	17.4	73
69	Platelet activation suppresses HIV-1 infection of T cells. <i>Retrovirology</i> , <b>2013</b> , 10, 48	3.6	39
68	Effect of semen and seminal amyloid on vaginal transmission of simian immunodeficiency virus. <i>Retrovirology</i> , <b>2013</b> , 10, 148	3.6	31
67	Peptide nanofibrils boost retroviral gene transfer and provide a rapid means for concentrating viruses. <i>Nature Nanotechnology</i> , <b>2013</b> , 8, 130-6	28.7	102
66	Domain 15 of the serine proteinase inhibitor LEKTI blocks HIV infection in vitro. <i>Medical Journal of Indonesia</i> , <b>2013</b> , 131	0.4	
65	90K, an interferon-stimulated gene product, reduces the infectivity of HIV-1. <i>Retrovirology</i> , <b>2013</b> , 10, 111	3.6	29
64	Productive entry of HIV-1 during cell-to-cell transmission via dynamin-dependent endocytosis. <i>Journal of Virology</i> , <b>2013</b> , 87, 8110-23	6.6	46
63	Utilization of replication-competent XMRV reporter-viruses reveals severe viral restriction in primary human cells. <i>PLoS ONE</i> , <b>2013</b> , 8, e74427	3.7	6
62	The role of the alternative coreceptor GPR15 in SIV tropism for human cells. <i>Virology</i> , <b>2012</b> , 433, 73-84	3.6	18
61	Evolutionary and functional analyses of the interaction between the myeloid restriction factor SAMHD1 and the lentiviral Vpx protein. <i>Cell Host and Microbe</i> , <b>2012</b> , 11, 205-17	23.4	140
60	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	6.6	74
59	Natural SIV Infection: Virological Aspects <b>2012</b> , 3-45		0
58	Peptides released by physiological cleavage of semen coagulum proteins form amyloids that enhance HIV infection. <i>Cell Host and Microbe</i> , <b>2011</b> , 10, 541-50	23.4	123
57	Structure-based design of non-natural amino-acid inhibitors of amyloid fibril formation. <i>Nature</i> , <b>2011</b> , 475, 96-100	50.4	341



56	Blocking semen-mediated enhancement of HIV infection by amyloid-binding small molecules. <i>Future Virology</i> , <b>2011</b> , 6, 183-186	2.4	4
55	CL-385319 inhibits H5N1 avian influenza A virus infection by blocking viral entry. <i>European Journal of Pharmacology</i> , <b>2011</b> , 660, 460-7	5.3	51
54	Mutation of a diacidic motif in SIV-PBj Nef impairs T-cell activation and enteropathic disease. <i>Retrovirology</i> , <b>2011</b> , 8, 14	3.6	1
53	Cell-to-cell transmission of HIV-1 between CD4+T-cells involves clathrin-mediated endocytosis. <i>Retrovirology</i> , <b>2011</b> , 8,	3.6	78
52	An optimized MM/PBSA virtual screening approach applied to an HIV-1 gp41 fusion peptide inhibitor. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2011</b> , 79, 3221-35	4.2	31
51	Low levels of SIV infection in sooty mangabey central memory CD4 <sup>+</sup> T cells are associated with limited CCR5 expression. <i>Nature Medicine</i> , <b>2011</b> , 17, 830-6	50.5	173
50	Genetic identity and biological phenotype of a transmitted/founder virus representative of nonpathogenic simian immunodeficiency virus infection in African green monkeys. <i>Journal of Virology</i> , <b>2010</b> , 84, 12245-54	6.6	28
49	Aminoquinoline surfen inhibits the action of SEVI (semen-derived enhancer of viral infection). <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 1861-9	5.4	59
48	Short-term monotherapy in HIV-infected patients with a virus entry inhibitor against the gp41 fusion peptide. <i>Science Translational Medicine</i> , <b>2010</b> , 2, 63re3	17.5	61
47	Incorporation of podoplanin into HIV released from HEK-293T cells, but not PBMC, is required for efficient binding to the attachment factor CLEC-2. <i>Retrovirology</i> , <b>2010</b> , 7, 47	3.6	27
46	Xiamycin, a pentacyclic indolosesquiterpene with selective anti-HIV activity from a bacterial mangrove endophyte. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 6685-7	2.9	145
45	Semen-mediated enhancement of HIV infection is donor-dependent and correlates with the levels of SEVI. <i>Retrovirology</i> , <b>2010</b> , 7, 55	3.6	108
44	Fibrils of prostatic acid phosphatase fragments boost infections with XMRV (xenotropic murine leukemia virus-related virus), a human retrovirus associated with prostate cancer. <i>Journal of Virology</i> , <b>2009</b> , 83, 6995-7003	6.6	66
43	The cationic properties of SEVI underlie its ability to enhance human immunodeficiency virus infection. <i>Journal of Virology</i> , <b>2009</b> , 83, 73-80	6.6	140
42	Significance of N-terminal proteolysis of CCL14a to activity on the chemokine receptors CCR1 and CCR5 and the human cytomegalovirus-encoded chemokine receptor US28. <i>Journal of Immunology</i> , <b>2009</b> , 183, 1229-37	5.3	16
41	Nef proteins from simian immunodeficiency viruses are tetherin antagonists. <i>Cell Host and Microbe</i> , <b>2009</b> , 6, 54-67	23.4	288
40	Tetherin-driven adaptation of Vpu and Nef function and the evolution of pandemic and nonpandemic HIV-1 strains. <i>Cell Host and Microbe</i> , <b>2009</b> , 6, 409-21	23.4	339
39	Inefficient Nef-mediated downmodulation of CD3 and MHC-I correlates with loss of CD4+T cells in natural SIV infection. <i>PLoS Pathogens</i> , <b>2008</b> , 4, e1000107	7.6	47



38	VIRIP: Ein natürlicher HIV-Hemmstoff mit einem neuartigen Wirkmechanismus <b>2008</b> , 65-70		
37	A simian immunodeficiency virus V3 loop mutant that does not efficiently use CCR5 or common alternative coreceptors is moderately attenuated in vivo. <i>Virology</i> , <b>2007</b> , 360, 275-85	3.6	3
36	HIV infection in a patient with alpha-1 antitrypsin deficiency: a detrimental combination?. <i>Aids</i> , <b>2007</b> , 21, 2115-6	3.5	14
35	Nef-mediated enhancement of virion infectivity and stimulation of viral replication are fundamental properties of primate lentiviruses. <i>Journal of Virology</i> , <b>2007</b> , 81, 13852-64	6.6	88
34	Proline 35 of human immunodeficiency virus type 1 (HIV-1) Vpr regulates the integrity of the N-terminal helix and the incorporation of Vpr into virus particles and supports the replication of R5-tropic HIV-1 in human lymphoid tissue ex vivo. <i>Journal of Virology</i> , <b>2007</b> , 81, 9572-6	6.6	15
33	Human immunodeficiency virus type 1 variants resistant to first- and second-version fusion inhibitors and cytopathic in ex vivo human lymphoid tissue. <i>Journal of Virology</i> , <b>2007</b> , 81, 6563-72	6.6	41
32	Discovery and optimization of a natural HIV-1 entry inhibitor targeting the gp41 fusion peptide. <i>Cell</i> , <b>2007</b> , 129, 263-75	56.2	206
31	Semen-derived amyloid fibrils drastically enhance HIV infection. <i>Cell</i> , <b>2007</b> , 131, 1059-71	56.2	424
30	Contribution of Vpu, Env, and Nef to CD4 down-modulation and resistance of human immunodeficiency virus type 1-infected T cells to superinfection. <i>Journal of Virology</i> , <b>2006</b> , 80, 8047-59	6.6	150
29	Importance of the N-distal AP-2 binding element in Nef for simian immunodeficiency virus replication and pathogenicity in rhesus macaques. <i>Journal of Virology</i> , <b>2006</b> , 80, 4469-81	6.6	21
28	Nef-mediated suppression of T cell activation was lost in a lentiviral lineage that gave rise to HIV-1. <i>Cell</i> , <b>2006</b> , 125, 1055-67	56.2	318
27	Inhibition of HIV-1 group M and O isolates by fusion inhibitors. <i>Aids</i> , <b>2005</b> , 19, 1919-22	3.5	15
26	Effect of naturally-occurring gp41 HR1 variations on susceptibility of HIV-1 to fusion inhibitors. <i>Aids</i> , <b>2005</b> , 19, 1401-5	3.5	23
25	LSECTin interacts with filovirus glycoproteins and the spike protein of SARS coronavirus. <i>Virology</i> , <b>2005</b> , 340, 224-36	3.6	167
24	The role of upstream U3 sequences in HIV-1 replication and CD4+ T cell depletion in human lymphoid tissue ex vivo. <i>Virology</i> , <b>2005</b> , 341, 313-20	3.6	12
23	Primary sooty mangabey simian immunodeficiency virus and human immunodeficiency virus type 2 nef alleles modulate cell surface expression of various human receptors and enhance viral infectivity and replication. <i>Journal of Virology</i> , <b>2005</b> , 79, 10547-60	6.6	38
22	Human immunodeficiency virus type 1 inhibits DNA damage-triggered apoptosis by a Nef-independent mechanism. <i>Journal of Virology</i> , <b>2005</b> , 79, 5489-98	6.6	60
21	Amino acid 324 in the simian immunodeficiency virus SIVmac V3 loop can confer CD4 independence and modulate the interaction with CCR5 and alternative coreceptors. <i>Journal of Virology</i> , <b>2004</b> , 78, 3223-32	6.6	25

20	A naturally occurring variation in the proline-rich region does not attenuate human immunodeficiency virus type 1 nef function. <i>Journal of Virology</i> , <b>2004</b> , 78, 10197-201	6.6	8
19	Vpr and Vpu are important for efficient human immunodeficiency virus type 1 replication and CD4+ T-cell depletion in human lymphoid tissue ex vivo. <i>Journal of Virology</i> , <b>2004</b> , 78, 12689-93	6.6	36
18	Nef proteins from simian immunodeficiency virus-infected chimpanzees interact with p21-activated kinase 2 and modulate cell surface expression of various human receptors. <i>Journal of Virology</i> , <b>2004</b> , 78, 6864-74	6.6	42
17	Comprehensive analysis of nef functions selected in simian immunodeficiency virus-infected macaques. <i>Journal of Virology</i> , <b>2004</b> , 78, 10588-97	6.6	27
16	Down-modulation of mature major histocompatibility complex class II and up-regulation of invariant chain cell surface expression are well-conserved functions of human and simian immunodeficiency virus nef alleles. <i>Journal of Virology</i> , <b>2003</b> , 77, 10548-56	6.6	141
15	T-cell receptor:CD3 down-regulation is a selected in vivo function of simian immunodeficiency virus Nef but is not sufficient for effective viral replication in rhesus macaques. <i>Journal of Virology</i> , <b>2002</b> , 76, 12360-4	6.6	28
14	Hemofiltrate CC chemokine 1[9-74] causes effective internalization of CCR5 and is a potent inhibitor of R5-tropic human immunodeficiency virus type 1 strains in primary T cells and macrophages. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2002</b> , 46, 982-90	5.9	33
13	Nef enhances human immunodeficiency virus type 1 infectivity and replication independently of viral coreceptor tropism. <i>Journal of Virology</i> , <b>2002</b> , 76, 8455-9	6.6	80
12	Natural proteolytic processing of hemofiltrate CC chemokine 1 generates a potent CC chemokine receptor (CCR)1 and CCR5 agonist with anti-HIV properties. <i>Journal of Experimental Medicine</i> , <b>2000</b> , 192, 1501-8	16.6	126
11	Co-receptor usage of BOB/GPR15 in addition to CCR5 has no significant effect on replication of simian immunodeficiency virus in vivo. <i>Journal of Infectious Diseases</i> , <b>1999</b> , 180, 1494-502	7	43
10	Microtiter plate-based antibody-competition assay to determine binding affinities and plasma/blood stability of CXCR4 ligands		1
9	The Zinc Finger Antiviral Protein restricts SARS-CoV-2		5
8	Remdesivir but not famotidine inhibits SARS-CoV-2 replication in human pluripotent stem cell-derived intestinal organoids		9
7	Holder Pasteurization Inactivates SARS-CoV-2 in Human Breast Milk		3
6	Alpha-1 antitrypsin inhibits SARS-CoV-2 infection		9
5	IFITM proteins promote SARS-CoV-2 infection and are targets for virus inhibition		14
4	An optimized derivative of an endogenous CXCR4 antagonist prevents atopic dermatitis and airway inflammation		
3	Cellular Protrusions Engage Viral Infection Enhancing EF-C Peptide Nanofibrils		1

2	Acute myeloid leukemia cells are targeted by the naturally occurring CXCR4 antagonist EPI-X4	1
1	Heterologous ChAdOx1 nCoV-19 and BNT162b2 prime-boost vaccination elicits potent neutralizing antibody responses and T cell reactivity	20