

Hans-Georg KrÄusslich

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6585686/publications.pdf>

Version: 2024-02-01

170
papers

19,620
citations

15466

65
h-index

12233

133
g-index

191
all docs

191
docs citations

191
times ranked

18691
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of infectious hepatitis C virus in tissue culture from a cloned viral genome. <i>Nature Medicine</i> , 2005, 11, 791-796.	15.2	2,561
2	Structures and distributions of SARS-CoV-2 spike proteins on intact virions. <i>Nature</i> , 2020, 588, 498-502.	13.7	918
3	The Protein Network of HIV Budding. <i>Cell</i> , 2003, 114, 701-713.	13.5	771
4	The HIV lipidome: A raft with an unusual composition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 2641-2646.	3.3	621
5	Viral Proteinases. <i>Annual Review of Biochemistry</i> , 1988, 57, 701-754.	5.0	613
6	HIV-1 Assembly, Budding, and Maturation. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2012, 2, a006924-a006924.	2.9	605
7	A colorimetric RT-LAMP assay and LAMP-sequencing for detecting SARS-CoV-2 RNA in clinical samples. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	516
8	The stoichiometry of Gag protein in HIV-1. <i>Nature Structural and Molecular Biology</i> , 2004, 11, 672-675.	3.6	462
9	Role of the Clathrin Terminal Domain in Regulating Coated Pit Dynamics Revealed by Small Molecule Inhibition. <i>Cell</i> , 2011, 146, 471-484.	13.5	459
10	Structural organization of authentic, mature HIV-1 virions and cores. <i>EMBO Journal</i> , 2003, 22, 1707-1715.	3.5	390
11	An atomic model of HIV-1 capsid-SP1 reveals structures regulating assembly and maturation. <i>Science</i> , 2016, 353, 506-508.	6.0	375
12	From nonpeptide toward noncarbon protease inhibitors: Metallacarboranes as specific and potent inhibitors of HIV protease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 15394-15399.	3.3	279
13	Structure of the immature HIV-1 capsid in intact virus particles at 8.8Å... resolution. <i>Nature</i> , 2015, 517, 505-508.	13.7	277
14	Cryo-electron microscopy reveals ordered domains in the immature HIV-1 particle. <i>Current Biology</i> , 1997, 7, 729-738.	1.8	270
15	Maturation-Dependent HIV-1 Surface Protein Redistribution Revealed by Fluorescence Nanoscopy. <i>Science</i> , 2012, 338, 524-528.	6.0	245
16	HIV-1 Antagonism of CD317 Is Species Specific and Involves Vpu-Mediated Proteasomal Degradation of the Restriction Factor. <i>Cell Host and Microbe</i> , 2009, 5, 285-297.	5.1	240
17	Role of Lipids in Virus Replication. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a004820-a004820.	2.3	235
18	The structure and flexibility of conical HIV-1 capsids determined within intact virions. <i>Science</i> , 2016, 354, 1434-1437.	6.0	229

#	ARTICLE	IF	CITATIONS
19	HIV-1 Buds Predominantly at the Plasma Membrane of Primary Human Macrophages. <i>PLoS Pathogens</i> , 2007, 3, e36.	2.1	228
20	A peptide inhibitor of HIV-1 assembly in vitro. <i>Nature Structural and Molecular Biology</i> , 2005, 12, 671-677.	3.6	209
21	Three-Dimensional Analysis of Budding Sites and Released Virus Suggests a Revised Model for HIV-1 Morphogenesis. <i>Cell Host and Microbe</i> , 2008, 4, 592-599.	5.1	208
22	Siglec-1 Is a Novel Dendritic Cell Receptor That Mediates HIV-1 Trans-Infection Through Recognition of Viral Membrane Gangliosides. <i>PLoS Biology</i> , 2012, 10, e1001448.	2.6	208
23	Involvement of Clathrin-Mediated Endocytosis in Human Immunodeficiency Virus Type 1 Entry. <i>Journal of Virology</i> , 2005, 79, 1581-1594.	1.5	202
24	Construction and Characterization of a Fluorescently Labeled Infectious Human Immunodeficiency Virus Type 1 Derivative. <i>Journal of Virology</i> , 2004, 78, 10803-10813.	1.5	201
25	In Vitro Assembly Properties of Purified Bacterially Expressed Capsid Proteins of Human Immunodeficiency Virus. <i>FEBS Journal</i> , 1997, 249, 592-600.	0.2	195
26	Context Dependence of Different Modules for Posttranscriptional Enhancement of Gene Expression from Retroviral Vectors. <i>Molecular Therapy</i> , 2000, 2, 435-445.	3.7	188
27	The Mechanism of HIV-1 Core Assembly: Insights from Three-Dimensional Reconstructions of Authentic Virions. <i>Structure</i> , 2006, 14, 15-20.	1.6	188
28	Cone-shaped HIV-1 capsids are transported through intact nuclear pores. <i>Cell</i> , 2021, 184, 1032-1046.e18.	13.5	179
29	Dynamics of HIV-1 Assembly and Release. <i>PLoS Pathogens</i> , 2009, 5, e1000652.	2.1	178
30	Live-cell visualization of dynamics of HIV budding site interactions with an ESCRT component. <i>Nature Cell Biology</i> , 2011, 13, 469-474.	4.6	173
31	The HIV-1 capsid protein C-terminal domain in complex with a virus assembly inhibitor. <i>Nature Structural and Molecular Biology</i> , 2005, 12, 678-682.	3.6	167
32	More than one door - Budding of enveloped viruses through cellular membranes. <i>FEBS Letters</i> , 2007, 581, 2089-2097.	1.3	164
33	The Molecular Architecture of HIV. <i>Journal of Molecular Biology</i> , 2011, 410, 491-500.	2.0	164
34	Comparative lipidomics analysis of HIV-1 particles and their producer cell membrane in different cell lines. <i>Cellular Microbiology</i> , 2013, 15, 292-304.	1.1	157
35	A Novel Substrate-Based HIV-1 Protease Inhibitor Drug Resistance Mechanism. <i>PLoS Medicine</i> , 2007, 4, e36.	3.9	146
36	Quantitative microscopy of functional HIV post-entry complexes reveals association of replication with the viral capsid. <i>ELife</i> , 2014, 3, e04114.	2.8	146

#	ARTICLE	IF	CITATIONS
37	NEDD4L Overexpression Rescues the Release and Infectivity of Human Immunodeficiency Virus Type 1 Constructs Lacking PTAP and YPX Late Domains. <i>Journal of Virology</i> , 2008, 82, 4884-4897.	1.5	144
38	HIV-1 nuclear import in macrophages is regulated by CPSF6-capsid interactions at the nuclear pore complex. <i>ELife</i> , 2019, 8, .	2.8	142
39	The Human Endosomal Sorting Complex Required for Transport (ESCRT-I) and Its Role in HIV-1 Budding. <i>Journal of Biological Chemistry</i> , 2004, 279, 36059-36071.	1.6	134
40	Design of HIV Protease Inhibitors Based on Inorganic Polyhedral Metallacarboranes. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 7132-7141.	2.9	132
41	Seroprevalence of six different viruses among pregnant women and blood donors in rural and urban Burkina Faso: A comparative analysis. <i>Journal of Medical Virology</i> , 2006, 78, 683-692.	2.5	131
42	Super-Resolution Microscopy Reveals Specific Recruitment of HIV-1 Envelope Proteins to Viral Assembly Sites Dependent on the Envelope C-Terminal Tail. <i>PLoS Pathogens</i> , 2013, 9, e1003198.	2.1	131
43	Gag Mutations Strongly Contribute to HIV-1 Resistance to Protease Inhibitors in Highly Drug-Experienced Patients besides Compensating for Fitness Loss. <i>PLoS Pathogens</i> , 2009, 5, e1000345.	2.1	124
44	Prevalence of SARS-CoV-2 Infection in Children and Their Parents in Southwest Germany. <i>JAMA Pediatrics</i> , 2021, 175, 586.	3.3	124
45	Double-labelled HIV-1 particles for study of virus-cell interaction. <i>Virology</i> , 2007, 360, 92-104.	1.1	121
46	Cryo Electron Tomography of Native HIV-1 Budding Sites. <i>PLoS Pathogens</i> , 2010, 6, e1001173.	2.1	119
47	The Mason-Pfizer Monkey Virus PPPY and PSAP Motifs Both Contribute to Virus Release. <i>Journal of Virology</i> , 2003, 77, 9474-9485.	1.5	114
48	Retroviral proteases and their roles in virion maturation. <i>Virology</i> , 2015, 479-480, 403-417.	1.1	109
49	Clathrin-adaptor ratio and membrane tension regulate the flat-to-curved transition of the clathrin coat during endocytosis. <i>Nature Communications</i> , 2018, 9, 1109.	5.8	109
50	HIV-1 Capture and Transmission by Dendritic Cells: The Role of Viral Glycolipids and the Cellular Receptor Siglec-1. <i>PLoS Pathogens</i> , 2014, 10, e1004146.	2.1	108
51	Ultrafast, temporally stochastic STED nanoscopy of millisecond dynamics. <i>Nature Methods</i> , 2015, 12, 827-830.	9.0	104
52	Cryo-electron microscopy of tubular arrays of HIV-1 Gag resolves structures essential for immature virus assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8233-8238.	3.3	98
53	HIV-1 Gag Processing Intermediates Trans-dominantly Interfere with HIV-1 Infectivity. <i>Journal of Biological Chemistry</i> , 2009, 284, 29692-29703.	1.6	97
54	Structural Analysis of HIV-1 Maturation Using Cryo-Electron Tomography. <i>PLoS Pathogens</i> , 2010, 6, e1001215.	2.1	96

#	ARTICLE	IF	CITATIONS
55	CD317/Tetherin Is Enriched in the HIV-1 Envelope and Downregulated from the Plasma Membrane upon Virus Infection. <i>Journal of Virology</i> , 2010, 84, 4646-4658.	1.5	94
56	Structure and architecture of immature and mature murine leukemia virus capsids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E11751-E11760.	3.3	92
57	Live-cell observation of cytosolic HIV-1 assembly onset reveals RNA-interacting Gag oligomers. <i>Journal of Cell Biology</i> , 2015, 210, 629-646.	2.3	86
58	HIV-1 immune activation induces Siglec-1 expression and enhances viral trans-infection in blood and tissue myeloid cells. <i>Retrovirology</i> , 2015, 12, 37.	0.9	85
59	SARS-CoV-2 RNA Extraction Using Magnetic Beads for Rapid Large-Scale Testing by RT-qPCR and RT-LAMP. <i>Viruses</i> , 2020, 12, 863.	1.5	79
60	Probing HIV-1 Membrane Liquid Order by Laurdan Staining Reveals Producer Cell-dependent Differences. <i>Journal of Biological Chemistry</i> , 2009, 284, 22238-22247.	1.6	78
61	Sialyllactose in Viral Membrane Gangliosides Is a Novel Molecular Recognition Pattern for Mature Dendritic Cell Capture of HIV-1. <i>PLoS Biology</i> , 2012, 10, e1001315.	2.6	78
62	Structural Analysis of the Roles of Influenza A Virus Membrane-Associated Proteins in Assembly and Morphology. <i>Journal of Virology</i> , 2015, 89, 8957-8966.	1.5	78
63	Interactions of human retroviruses with the host cell cytoskeleton. <i>Current Opinion in Microbiology</i> , 2006, 9, 409-415.	2.3	77
64	The host-cell restriction factor SERINC5 restricts HIV-1 infectivity without altering the lipid composition and organization of viral particles. <i>Journal of Biological Chemistry</i> , 2017, 292, 13702-13713.	1.6	76
65	Residues in the HIV-1 Capsid Assembly Inhibitor Binding Site Are Essential for Maintaining the Assembly-competent Quaternary Structure of the Capsid Protein. <i>Journal of Biological Chemistry</i> , 2008, 283, 32024-32033.	1.6	74
66	Breaking the diffraction limit of light-sheet fluorescence microscopy by RESOLFT. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3442-3446.	3.3	72
67	Multiple copies of the Mason-Pfizer monkey virus constitutive RNA transport element lead to enhanced HIV-1 Gag expression in a context-dependent manner. <i>Nucleic Acids Research</i> , 2000, 28, 901-910.	6.5	71
68	HIV-1 uncoating by release of viral cDNA from capsid-like structures in the nucleus of infected cells. <i>ELife</i> , 2021, 10, .	2.8	71
69	High-resolution structures of HIV-1 Gag cleavage mutants determine structural switch for virus maturation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9401-E9410.	3.3	65
70	Humoral and cellular responses after COVID-19 vaccination in anti-CD20-treated lymphoma patients. <i>Blood</i> , 2022, 139, 142-147.	0.6	63
71	Ultrastructural Analysis of ESCRT Proteins Suggests a Role for Endosome-Associated Tubular-Vesicular Membranes in ESCRT Function. <i>Traffic</i> , 2006, 7, 1551-1566.	1.3	61
72	Maturation of the matrix and viral membrane of HIV-1. <i>Science</i> , 2021, 373, 700-704.	6.0	60

#	ARTICLE	IF	CITATIONS
73	A possible regulation of negative factor (Nef) activity of human immunodeficiency virus type 1 by the viral protease. <i>FEBS Journal</i> , 1994, 223, 589-593.	0.2	58
74	Analysis of Human Immunodeficiency Virus Type 1 Gag Ubiquitination. <i>Journal of Virology</i> , 2005, 79, 9134-9144.	1.5	58
75	HIV-1 Entry in SupT1-R5, CEM-ss, and Primary CD4 ⁺ T Cells Occurs at the Plasma Membrane and Does Not Require Endocytosis. <i>Journal of Virology</i> , 2014, 88, 13956-13970.	1.5	58
76	Chemogenetic Control of Nanobodies. <i>Nature Methods</i> , 2020, 17, 279-282.	9.0	58
77	Polyprotein processing in picornavirus replication. <i>Biochimie</i> , 1988, 70, 119-130.	1.3	57
78	Single-molecule coordinate-based analysis of the morphology of HIV-1 assembly sites with near-molecular spatial resolution. <i>Histochemistry and Cell Biology</i> , 2013, 139, 173-179.	0.8	57
79	A Versatile Tool for Live-Cell Imaging and Super-Resolution Nanoscopy Studies of HIV-1 Env Distribution and Mobility. <i>Cell Chemical Biology</i> , 2017, 24, 635-645.e5.	2.5	55
80	Expression in <i>Escherichia coli</i> and Purification of Human Immunodeficiency Virus Type 1 Capsid Protein (p24). <i>AIDS Research and Human Retroviruses</i> , 1990, 6, 1169-1175.	0.5	54
81	Robust RNAi enhancement via human Argonaute-2 overexpression from plasmids, viral vectors and cell lines. <i>Nucleic Acids Research</i> , 2013, 41, e199-e199.	6.5	53
82	The native structure of the assembled matrix protein 1 of influenza A virus. <i>Nature</i> , 2020, 587, 495-498.	13.7	53
83	Conserved and Variable Features of Gag Structure and Arrangement in Immature Retrovirus Particles. <i>Journal of Virology</i> , 2010, 84, 11729-11736.	1.5	52
84	The Late-Domain-Containing Protein p6 Is the Predominant Phosphoprotein of Human Immunodeficiency Virus Type 1 Particles. <i>Journal of Virology</i> , 2002, 76, 1015-1024.	1.5	50
85	Aptamer Displacement Identifies Alternative Small-Molecule Target Sites that Escape Viral Resistance. <i>Chemistry and Biology</i> , 2007, 14, 804-812.	6.2	49
86	Gag-Pol Processing during HIV-1 Virion Maturation: A Systems Biology Approach. <i>PLoS Computational Biology</i> , 2013, 9, e1003103.	1.5	49
87	Architecture and Regulation of the HIV-1 Assembly and Holding Compartment in Macrophages. <i>Journal of Virology</i> , 2011, 85, 7922-7927.	1.5	47
88	Molecular Characterization of a Respiratory Syncytial Virus Outbreak in a Hematology Unit in Heidelberg, Germany. <i>Journal of Clinical Microbiology</i> , 2013, 51, 155-162.	1.8	46
89	Proteome analysis of the HIV-1 Gag interactome. <i>Virology</i> , 2014, 460-461, 194-206.	1.1	46
90	Pre-arrayed Pan-AAV Peptide Display Libraries for Rapid Single-Round Screening. <i>Molecular Therapy</i> , 2020, 28, 1016-1032.	3.7	46

#	ARTICLE	IF	CITATIONS
91	Cumulative Mutations of Ubiquitin Acceptor Sites in Human Immunodeficiency Virus Type 1 Gag Cause a Late Budding Defect. <i>Journal of Virology</i> , 2006, 80, 6267-6275.	1.5	45
92	Quantification of phosphoinositides reveals strong enrichment of PIP2 in HIV-1 compared to producer cell membranes. <i>Scientific Reports</i> , 2019, 9, 17661.	1.6	45
93	Synchronized HIV assembly by tunable PIP2 changes reveals PIP2 requirement for stable Gag anchoring. <i>ELife</i> , 2017, 6, .	2.8	45
94	Genotypic and Phenotypic Analysis of HIV Type 1 Primary Isolates from Western Cameroon. <i>AIDS Research and Human Retroviruses</i> , 2002, 18, 39-48.	0.5	44
95	The Abbott PanBio WHO emergency use listed, rapid, antigen-detecting point-of-care diagnostic test for SARS-CoV-2 Evaluation of the accuracy and ease-of-use. <i>PLoS ONE</i> , 2021, 16, e0247918.	1.1	44
96	Direct and Dynamic Detection of HIV-1 in Living Cells. <i>PLoS ONE</i> , 2012, 7, e50026.	1.1	42
97	Proteolytic Processing of Particle-Associated Retroviral Polyproteins by Homologous and Heterologous Viral Proteinases. <i>FEBS Journal</i> , 1995, 228, 191-198.	0.2	42
98	Mutations in HIV-1 <i>gag</i> and <i>pol</i> Compensate for the Loss of Viral Fitness Caused by a Highly Mutated Protease. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 4320-4330.	1.4	40
99	Systematic mutational analysis of the active site threonine of HIV-1 proteinase: Rethinking the "fireman's grip" hypothesis. <i>Protein Science</i> , 2000, 9, 1631-1641.	3.1	39
100	From experimental setup to bioinformatics: An RNAi screening platform to identify host factors involved in HIV-1 replication. <i>Biotechnology Journal</i> , 2010, 5, 39-49.	1.8	39
101	Specific Inhibitors of HIV Capsid Assembly Binding to the C-Terminal Domain of the Capsid Protein: Evaluation of 2-Arylquinazolines as Potential Antiviral Compounds. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 545-558.	2.9	39
102	Functional organization of the HIV lipid envelope. <i>Scientific Reports</i> , 2016, 6, 34190.	1.6	38
103	Splicing of human immunodeficiency virus RNA is position-dependent suggesting sequential removal of introns from the 5' end. <i>Nucleic Acids Research</i> , 2005, 33, 825-837.	6.5	37
104	Role of the SP2 Domain and Its Proteolytic Cleavage in HIV-1 Structural Maturation and Infectivity. <i>Journal of Virology</i> , 2012, 86, 13708-13716.	1.5	37
105	NSs amyloid formation is associated with the virulence of Rift Valley fever virus in mice. <i>Nature Communications</i> , 2020, 11, 3281.	5.8	36
106	Ubiquitination of Human Immunodeficiency Virus Type 1 Gag Is Highly Dependent on Gag Membrane Association. <i>Journal of Virology</i> , 2007, 81, 9193-9201.	1.5	35
107	Detailed Characterization of Early HIV-1 Replication Dynamics in Primary Human Macrophages. <i>Viruses</i> , 2018, 10, 620.	1.5	34
108	Analysis of CA Content and CPSF6 Dependence of Early HIV-1 Replication Complexes in SupT1-R5 Cells. <i>MBio</i> , 2019, 10, .	1.8	34

#	ARTICLE	IF	CITATIONS
109	Competitive Inhibition of Human Immunodeficiency Virus Type-1 Protease by the Gag-Pol Transframe Protein. <i>Journal of Biological Chemistry</i> , 1999, 274, 21539-21543.	1.6	33
110	HIV-1 cellular interactions analyzed by single virus tracing. <i>European Biophysics Journal</i> , 2008, 37, 1291-1301.	1.2	30
111	Stimulated Emission Depletion Nanoscopy Reveals Time-Course of Human Immunodeficiency Virus Proteolytic Maturation. <i>ACS Nano</i> , 2016, 10, 8215-8222.	7.3	30
112	Nucleocytoplasmic RNA Transport in Retroviral Replication. <i>Results and Problems in Cell Differentiation</i> , 2001, 34, 197-217.	0.2	30
113	Mutation of the major 5' splice site renders a CMV-driven HIV-1 proviral clone Tat-dependent: connections between transcription and splicing. <i>FEBS Letters</i> , 2004, 563, 113-118.	1.3	29
114	Multimerizable HIV Gag derivative binds to the liquid-disordered phase in model membranes. <i>Cellular Microbiology</i> , 2013, 15, 237-247.	1.1	29
115	Induced Maturation of Human Immunodeficiency Virus. <i>Journal of Virology</i> , 2014, 88, 13722-13731.	1.5	29
116	Pooled RT-qPCR testing for SARS-CoV-2 surveillance in schools - a cluster randomised trial. <i>EClinicalMedicine</i> , 2021, 39, 101082.	3.2	29
117	IFITM3 Clusters on Virus Containing Endosomes and Lysosomes Early in the Influenza A Infection of Human Airway Epithelial Cells. <i>Viruses</i> , 2019, 11, 548.	1.5	28
118	Single-Use Capture Purification of Adeno-Associated Viral Gene Transfer Vectors by Membrane-Based Steric Exclusion Chromatography. <i>Human Gene Therapy</i> , 2021, 32, 959-974.	1.4	28
119	Nuclear RNAs confined to a reticular compartment between chromosome territories. <i>Experimental Cell Research</i> , 2005, 302, 180-193.	1.2	27
120	Superresolved insights into human immunodeficiency virus biology. <i>FEBS Letters</i> , 2016, 590, 1858-1876.	1.3	26
121	Configurations of Diastereomeric Hydroxyethylene Isosteres Strongly Affect Biological Activities of a Series of Specific Inhibitors of Human-Immunodeficiency-Virus Proteinase. <i>FEBS Journal</i> , 1997, 250, 559-566.	0.2	25
122	Divergent Evolution in Reverse Transcriptase (RT) of HIV-1 Group O and M Lineages: Impact on Structure, Fitness, and Sensitivity to Nonnucleoside RT Inhibitors. <i>Journal of Virology</i> , 2010, 84, 9817-9830.	1.5	25
123	Triggering HIV polyprotein processing by light using rapid photodegradation of a tight-binding protease inhibitor. <i>Nature Communications</i> , 2015, 6, 6461.	5.8	25
124	Genome packaging of reovirus is mediated by the scaffolding property of the microtubule network. <i>Cellular Microbiology</i> , 2017, 19, e12765.	1.1	25
125	Transmission of Severe Acute Respiratory Syndrome Coronavirus 2 in Households with Children, Southwest Germany, May-August 2020. <i>Emerging Infectious Diseases</i> , 2021, 27, 3009-3019.	2.0	25
126	HIV Drug Resistance Pattern Among HAART-Exposed Patients With Suboptimal Virological Response in Ouagadougou, Burkina Faso. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2008, 49, 17-25.	0.9	24

#	ARTICLE	IF	CITATIONS
127	Diversity of HIV in Rural Burkina Faso. <i>Journal of Acquired Immune Deficiency Syndromes</i> (1999), 2006, 43, 144-152.	0.9	23
128	The Nucleocapsid Domain of Gag Is Dispensable for Actin Incorporation into HIV-1 and for Association of Viral Budding Sites with Cortical F-Actin. <i>Journal of Virology</i> , 2014, 88, 7893-7903.	1.5	23
129	Analysis of the diversity of the HIV-1 <i>pol</i> gene and drug resistance associated changes among drug-naïve patients in Burkina Faso. <i>Journal of Medical Virology</i> , 2009, 81, 1691-1701.	2.5	22
130	Investigating the Role of F-Actin in Human Immunodeficiency Virus Assembly by Live-Cell Microscopy. <i>Journal of Virology</i> , 2014, 88, 7904-7914.	1.5	22
131	Microscopy-based assay for semi-quantitative detection of SARS-CoV-2 specific antibodies in human sera. <i>BioEssays</i> , 2021, 43, e2000257.	1.2	22
132	HIV-1 capsid is the key orchestrator of early viral replication. <i>PLoS Pathogens</i> , 2021, 17, e1010109.	2.1	22
133	The Cellular Protein Lyric Interacts with HIV-1 Gag. <i>Journal of Virology</i> , 2011, 85, 13322-13332.	1.5	20
134	Cholesterol in the Viral Membrane is a Molecular Switch Governing HIV-1 Env Clustering. <i>Advanced Science</i> , 2021, 8, 2003468.	5.6	20
135	Potency Comparison of Peptidomimetic Inhibitors against HIV-1 and HIV-2 Proteinases: Design of Equipotent Lead Compounds. <i>Archives of Biochemistry and Biophysics</i> , 1997, 341, 62-69.	1.4	18
136	Comprehensive Mutational Analysis Reveals p6 ^{Gag} Phosphorylation To Be Dispensable for HIV-1 Morphogenesis and Replication. <i>Journal of Virology</i> , 2013, 87, 724-734.	1.5	17
137	RNA and Nucleocapsid Are Dispensable for Mature HIV-1 Capsid Assembly. <i>Journal of Virology</i> , 2015, 89, 9739-9747.	1.5	17
138	A Modular Approach to HIV-1 Proteinase Inhibitor Design. <i>Biochemical and Biophysical Research Communications</i> , 1996, 222, 38-43.	1.0	16
139	The Major 5' End of HIV Type 1 RNA Corresponds to G456. <i>AIDS Research and Human Retroviruses</i> , 2007, 23, 1042-1048.	0.5	16
140	Acetylation of the foamy virus transactivator Tas by PCAF augments promoter-binding affinity and virus transcription. <i>Journal of General Virology</i> , 2007, 88, 259-263.	1.3	16
141	A Randomized Open label Phase-II Clinical Trial with or without Infusion of Plasma from Subjects after Convalescence of SARS-CoV-2 Infection in High-Risk Patients with Confirmed Severe SARS-CoV-2 Disease (RECOVER): A structured summary of a study protocol for a randomised controlled trial. <i>Trials</i> , 2020, 21, 828.	0.7	16
142	An expanded model of HIV cell entry phenotype based on multi-parameter single-cell data. <i>Retrovirology</i> , 2012, 9, 60.	0.9	15
143	Lipidomimetic Compounds Act as HIV-1 Entry Inhibitors by Altering Viral Membrane Structure. <i>Frontiers in Immunology</i> , 2018, 9, 1983.	2.2	14
144	Expression of biologically active HIV glycoproteins using a T7 RNA polymerase-based eucaryotic vector system. <i>Virus Genes</i> , 1992, 6, 229-246.	0.7	11

#	ARTICLE	IF	CITATIONS
145	The Murine Endogenous Retrovirus MIA14 Encodes an Active Aspartic Proteinase That Is Functionally Similar to Proteinases from D-Type Retroviruses. <i>Archives of Biochemistry and Biophysics</i> , 2002, 398, 261-268.	1.4	11
146	Transport of the Intracisternal A-Type Particle Gag Polyprotein to the Endoplasmic Reticulum Is Mediated by the Signal Recognition Particle. <i>Journal of Virology</i> , 2003, 77, 6293-6304.	1.5	11
147	Reply to "Can HIV-1 Entry Sites Be Deduced by Comparing Bulk Endocytosis to Functional Readouts for Viral Fusion?". <i>Journal of Virology</i> , 2015, 89, 2986-2987.	1.5	11
148	From Multiplex Serology to Serolomics: A Novel Approach to the Antibody Response against the SARS-CoV-2 Proteome. <i>Viruses</i> , 2021, 13, 749.	1.5	11
149	Generation of Human Lung Organoid Cultures from Healthy and Tumor Tissue to Study Infectious Diseases. <i>Journal of Virology</i> , 2022, 96, e0009822.	1.5	11
150	Immune Reconstitution During the First Year of Antiretroviral Therapy of HIV-1-Infected Adults in Rural Burkina Faso. <i>Open AIDS Journal</i> , 2012, 6, 16-25.	0.1	10
151	Parameters Influencing Measurement of the Gag Antigen-Specific T-Proliferative Response to HIV Type 1 Infection. <i>AIDS Research and Human Retroviruses</i> , 2000, 16, 259-271.	0.5	9
152	Mutations in Multiple Domains of Gag Drive the Emergence of <i>In Vitro</i> Resistance to the Phosphonate-Containing HIV-1 Protease Inhibitor GS-8374. <i>Journal of Virology</i> , 2013, 87, 454-463.	1.5	9
153	A recombinant virus assay using full-length envelope sequences to detect changes in HIV-1 co-receptor usage. <i>Virus Genes</i> , 2001, 23, 281-290.	0.7	8
154	An Outpatient Management Strategy Using a Coronataxi Digital Early Warning System Reduces Coronavirus Disease 2019 Mortality. <i>Open Forum Infectious Diseases</i> , 2022, 9, ofac063.	0.4	7
155	Photocaged Hoechst Enables Subnuclear Visualization and Cell Selective Staining of DNA <i>in vivo</i> . <i>ChemBioChem</i> , 2021, 22, 548-556.	1.3	6
156	Re-visiting the functional Relevance of the highly conserved Serine 40 Residue within HIV-1 p6Gag. <i>Retrovirology</i> , 2014, 11, 114.	0.9	5
157	Selection of Potent Non-Toxic Inhibitory Sequences from a Randomized HIV-1 Specific Lentiviral Short Hairpin RNA Library. <i>PLoS ONE</i> , 2010, 5, e13172.	1.1	5
158	Genetic analysis and gene expression of human immunodeficiency virus. <i>Current Opinion in Genetics and Development</i> , 1992, 2, 82-89.	1.5	4
159	HIV: Epidemiology and Strategies for Therapy and Vaccination. <i>Intervirology</i> , 2002, 45, 260-266.	1.2	4
160	Genotypic resistance testing in HIV by arrayed primer extension. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1661-1669.	1.9	4
161	Coronataxi Brings Outpatient Care to COVID-19 Patients. <i>Annals of Emergency Medicine</i> , 2020, 76, 811-812.	0.3	4
162	The secrets of the stability of the HIV-1 capsid. <i>ELife</i> , 2018, 7, .	2.8	4

#	ARTICLE	IF	CITATIONS
163	Activation and maturation of peripheral blood T cells in HIV-1-infected and HIV-1-uninfected adults in Burkina Faso: a cross-sectional study. <i>Journal of the International AIDS Society</i> , 2011, 14, 57.	1.2	3
164	Delayed detection of cytomegalovirus-specific T-helper cells in a preterm infant following intrauterine exposure to tacrolimus. <i>Clinical Laboratory</i> , 2012, 58, 811-5.	0.2	3
165	Constitutive activation and accelerated maturation of peripheral blood t cells in healthy adults in burkina faso compared to Germany: The case of malaria?. <i>European Journal of Medical Research</i> , 2011, 16, 519.	0.9	1
166	Cross-Clade Recognition of HIV-1 CAp24 by CD4+ T Cells in HIV-1-Infected Individuals in Burkina Faso and Germany. <i>Open AIDS Journal</i> , 2009, 3, 4-7.	0.1	1
167	Seroconversion Rates After the Second COVID-19 Vaccination in Patients With Systemic Light Chain (AL) amyloidosis. <i>HemaSphere</i> , 2022, 6, e688.	1.2	1
168	Viruses: Membranes in Disguise - Editorial on the special issue reporting on the priority program 1175 of the Deutsche Forschungsgemeinschaft (German Research Foundation): "Dynamics of cellular membranes and their exploitation by viruses". <i>Cellular Microbiology</i> , 2013, 15, 159-160.	1.1	0
169	Integrative analysis of pathogen replication and spread: zooming into increasing complexity. <i>FEBS Letters</i> , 2016, 590, 1855-1857.	1.3	0
170	Modeling the Flat to Curved Transition during Clathrin Mediated Endocytosis. <i>Biophysical Journal</i> , 2018, 114, 280a.	0.2	0