

Frank Kirchhoff

List of Publications by Year in descending order

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268
papers

16,451
citations

14614

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23472

111
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288
all docs

288
docs citations

288
times ranked

17008
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Absence of Intact nef Sequences in a Long-Term Survivor with Nonprogressive HIV-1 Infection. <i>New England Journal of Medicine</i> , 1995, 332, 228-232. | 13.9 | 1,015 |
| 2 | Structural basis for translational shutdown and immune evasion by the Nsp1 protein of SARS-CoV-2. <i>Science</i> , 2020, 369, 1249-1255. | 6.0 | 635 |
| 3 | Semen-Derived Amyloid Fibrils Drastically Enhance HIV Infection. <i>Cell</i> , 2007, 131, 1059-1071. | 13.5 | 510 |
| 4 | Tetherin-Driven Adaptation of Vpu and Nef Function and the Evolution of Pandemic and Nonpandemic HIV-1 Strains. <i>Cell Host and Microbe</i> , 2009, 6, 409-421. | 5.1 | 391 |
| 5 | SARS-CoV-2 infects and replicates in cells of the human endocrine and exocrine pancreas. <i>Nature Metabolism</i> , 2021, 3, 149-165. | 5.1 | 378 |
| 6 | Nef-Mediated Suppression of T Cell Activation Was Lost in a Lentiviral Lineage that Gave Rise to HIV-1. <i>Cell</i> , 2006, 125, 1055-1067. | 13.5 | 359 |
| 7 | Nef Proteins from Simian Immunodeficiency Viruses Are Tetherin Antagonists. <i>Cell Host and Microbe</i> , 2009, 6, 54-67. | 5.1 | 324 |
| 8 | Detection of SARS-CoV-2 in human breastmilk. <i>Lancet, The</i> , 2020, 395, 1757-1758. | 6.3 | 306 |
| 9 | Immune Evasion and Counteraction of Restriction Factors by HIV-1 and Other Primate Lentiviruses. <i>Cell Host and Microbe</i> , 2010, 8, 55-67. | 5.1 | 273 |
| 10 | TRIM Proteins Regulate Autophagy and Can Target Autophagic Substrates by Direct Recognition. <i>Developmental Cell</i> , 2014, 30, 394-409. | 3.1 | 269 |
| 11 | Discovery and Optimization of a Natural HIV-1 Entry Inhibitor Targeting the gp41 Fusion Peptide. <i>Cell</i> , 2007, 129, 263-275. | 13.5 | 244 |
| 12 | Guanylate Binding Protein (GBP) 5 Is an Interferon-Inducible Inhibitor of HIV-1 Infectivity. <i>Cell Host and Microbe</i> , 2016, 19, 504-514. | 5.1 | 211 |
| 13 | DC-SIGN Interactions with Human Immunodeficiency Virus Type 1 and 2 and Simian Immunodeficiency Virus. <i>Journal of Virology</i> , 2001, 75, 4664-4672. | 1.5 | 210 |
| 14 | Low levels of SIV infection in sooty mangabey central memory CD4+ T cells are associated with limited CCR5 expression. <i>Nature Medicine</i> , 2011, 17, 830-836. | 15.2 | 206 |
| 15 | Toward an AIDS vaccine: lessons from natural simian immunodeficiency virus infections of African nonhuman primate hosts. <i>Nature Medicine</i> , 2009, 15, 861-865. | 15.2 | 204 |
| 16 | LSECTin interacts with filovirus glycoproteins and the spike protein of SARS coronavirus. <i>Virology</i> , 2005, 340, 224-236. | 1.1 | 192 |
| 17 | Premature Activation of the SLX4 Complex by Vpr Promotes G2/M Arrest and Escape from Innate Immune Sensing. <i>Cell</i> , 2014, 156, 134-145. | 13.5 | 183 |
| 18 | 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> , 2006, 80, 8047-8059. | 1.5 | 178 |

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|----|---|------|-----------|
| 19 | Systematic functional analysis of SARS-CoV-2 proteins uncovers viral innate immune antagonists and remaining vulnerabilities. <i>Cell Reports</i> , 2021, 35, 109126. | 2.9 | 176 |
| 20 | Evolutionary and Functional Analyses of the Interaction between the Myeloid Restriction Factor SAMHD1 and the Lentiviral Vpx Protein. <i>Cell Host and Microbe</i> , 2012, 11, 205-217. | 5.1 | 169 |
| 21 | The Cationic Properties of SEVI Underlie Its Ability To Enhance Human Immunodeficiency Virus Infection. <i>Journal of Virology</i> , 2009, 83, 73-80. | 1.5 | 163 |
| 22 | 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> , 2003, 77, 10548-10556. | 1.5 | 153 |
| 23 | Peptides Released by Physiological Cleavage of Semen Coagulum Proteins Form Amyloids that Enhance HIV Infection. <i>Cell Host and Microbe</i> , 2011, 10, 541-550. | 5.1 | 144 |
| 24 | Modulation of Different Human Immunodeficiency Virus Type 1 Nef Functions during Progression to AIDS. <i>Journal of Virology</i> , 2001, 75, 3657-3665. | 1.5 | 143 |
| 25 | Omicron: What Makes the Latest SARS-CoV-2 Variant of Concern So Concerning?. <i>Journal of Virology</i> , 2022, 96, jvi0207721. | 1.5 | 143 |
| 26 | 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> , 2000, 192, 1501-1508. | 4.2 | 138 |
| 27 | A Flow Cytometry-Based FRET Assay to Identify and Analyse Protein-Protein Interactions in Living Cells. <i>PLoS ONE</i> , 2010, 5, e9344. | 1.1 | 137 |
| 28 | Peptide and peptide-based inhibitors of SARS-CoV-2 entry. <i>Advanced Drug Delivery Reviews</i> , 2020, 167, 47-65. | 6.6 | 132 |
| 29 | IFITM proteins promote SARS-CoV-2 infection and are targets for virus inhibition in vitro. <i>Nature Communications</i> , 2021, 12, 4584. | 5.8 | 129 |
| 30 | Semen-mediated enhancement of HIV infection is donor-dependent and correlates with the levels of SEVI. <i>Retrovirology</i> , 2010, 7, 55. | 0.9 | 127 |
| 31 | Peptide nanofibrils boost retroviral gene transfer and provide a rapid means for concentrating viruses. <i>Nature Nanotechnology</i> , 2013, 8, 130-136. | 15.6 | 125 |
| 32 | Monkeypox: A New Threat?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7866. | 1.8 | 115 |
| 33 | Guanylate-Binding Proteins 2 and 5 Exert Broad Antiviral Activity by Inhibiting Furin-Mediated Processing of Viral Envelope Proteins. <i>Cell Reports</i> , 2019, 27, 2092-2104.e10. | 2.9 | 112 |
| 34 | Differential Regulation of NF- κ B-Mediated Proviral and Antiviral Host Gene Expression by Primate Lentiviral Nef and Vpu Proteins. <i>Cell Reports</i> , 2015, 10, 586-599. | 2.9 | 106 |
| 35 | SARS-CoV-2 Is Restricted by Zinc Finger Antiviral Protein despite Preadaptation to the Low-CpG Environment in Humans. <i>MBio</i> , 2020, 11, . | 1.8 | 106 |
| 36 | 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> , 2022, 75, 103761. | 2.7 | 104 |

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|----|--|------|-----------|
| 37 | Nef-Mediated Enhancement of Virion Infectivity and Stimulation of Viral Replication Are Fundamental Properties of Primate Lentiviruses. <i>Journal of Virology</i> , 2007, 81, 13852-13864. | 1.5 | 102 |
| 38 | Sequence Variations in Human Immunodeficiency Virus Type 1 Nef Are Associated with Different Stages of Disease. <i>Journal of Virology</i> , 1999, 73, 5497-5508. | 1.5 | 100 |
| 39 | Association of simian immunodeficiency virus Nef with cellular serine/threonine kinases is dispensable for the development of AIDS in rhesus macaques. <i>Nature Medicine</i> , 1997, 3, 860-865. | 15.2 | 96 |
| 40 | Direct visualization of HIV-enhancing endogenous amyloid fibrils in human semen. <i>Nature Communications</i> , 2014, 5, 3508. | 5.8 | 95 |
| 41 | SnapShot: Antiviral Restriction Factors. <i>Cell</i> , 2015, 163, 774-774.e1. | 13.5 | 95 |
| 42 | Nef Enhances Human Immunodeficiency Virus Type 1 Infectivity and Replication Independently of Viral Coreceptor Tropism. <i>Journal of Virology</i> , 2002, 76, 8455-8459. | 1.5 | 92 |
| 43 | Naturally Occurring Fragments from Two Distinct Regions of the Prostatic Acid Phosphatase Form Amyloidogenic Enhancers of HIV Infection. <i>Journal of Virology</i> , 2012, 86, 1244-1249. | 1.5 | 90 |
| 44 | CD4 Down-Modulation by Human Immunodeficiency Virus Type 1 Nef Correlates with the Efficiency of Viral Replication and with CD4 + T-Cell Depletion in Human Lymphoid Tissue Ex Vivo. <i>Journal of Virology</i> , 2001, 75, 10113-10117. | 1.5 | 89 |
| 45 | Nef Induces Multiple Genes Involved in Cholesterol Synthesis and Uptake in Human Immunodeficiency Virus Type 1-Infected T Cells. <i>Journal of Virology</i> , 2005, 79, 10053-10058. | 1.5 | 89 |
| 46 | The Potency of Nef-Mediated SERINC5 Antagonism Correlates with the Prevalence of Primate Lentiviruses in the Wild. <i>Cell Host and Microbe</i> , 2016, 20, 381-391. | 5.1 | 88 |
| 47 | Vpu serine 52 dependent counteraction of tetherin is required for HIV-1 replication in macrophages, but not in ex vivo human lymphoid tissue. <i>Retrovirology</i> , 2010, 7, 1. | 0.9 | 87 |
| 48 | Alpha-1 antitrypsin inhibits TMPRSS2 protease activity and SARS-CoV-2 infection. <i>Nature Communications</i> , 2021, 12, 1726. | 5.8 | 86 |
| 49 | Two elements target SIV Nef to the AP-2 clathrin adaptor complex, but only one is required for the induction of CD4 endocytosis. <i>EMBO Journal</i> , 1999, 18, 2722-2733. | 3.5 | 83 |
| 50 | IFI16 Targets the Transcription Factor Sp1 to Suppress HIV-1 Transcription and Latency Reactivation. <i>Cell Host and Microbe</i> , 2019, 25, 858-872.e13. | 5.1 | 83 |
| 51 | Host proteins involved in HIV infection: New therapeutic targets. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010, 1802, 313-321. | 1.8 | 82 |
| 52 | Uninfected Bystander Cells Impact the Measurement of HIV-Specific Antibody-Dependent Cellular Cytotoxicity Responses. <i>MBio</i> , 2018, 9, . | 1.8 | 82 |
| 53 | Tetherin: Holding On and Letting Go. <i>Cell</i> , 2010, 141, 392-398. | 13.5 | 81 |
| 54 | Sooty mangabey genome sequence provides insight into AIDS resistance in a natural SIV host. <i>Nature</i> , 2018, 553, 77-81. | 13.7 | 81 |

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| 55 | Simian and Human Immunodeficiency Virus Nef Proteins Use Different Surfaces To Downregulate Class I Major Histocompatibility Complex Antigen Expression. <i>Journal of Virology</i> , 2000, 74, 5691-5701. | 1.5 | 80 |
| 56 | Discovery and Characterization of an Endogenous CXCR4 Antagonist. <i>Cell Reports</i> , 2015, 11, 737-747. | 2.9 | 80 |
| 57 | Expression and coreceptor activity of STRL33/Bonzo on primary peripheral blood lymphocytes. <i>Blood</i> , 2000, 96, 41-49. | 0.6 | 79 |
| 58 | Key Viral Adaptations Preceding the AIDS Pandemic. <i>Cell Host and Microbe</i> , 2019, 25, 27-38. | 5.1 | 79 |
| 59 | Identification of potential HIV restriction factors by combining evolutionary genomic signatures with functional analyses. <i>Retrovirology</i> , 2015, 12, 41. | 0.9 | 78 |
| 60 | Nef Proteins of Epidemic HIV-1 Group O Strains Antagonize Human Tetherin. <i>Cell Host and Microbe</i> , 2014, 16, 639-650. | 5.1 | 77 |
| 61 | Enhanced CD4 Down-modulation by Late Stage HIV-1 nef Alleles Is Associated with Increased Env Incorporation and Viral Replication. <i>Journal of Biological Chemistry</i> , 2003, 278, 33912-33919. | 1.6 | 76 |
| 62 | Limited HIV Infection of Central Memory and Stem Cell Memory CD4+ T Cells Is Associated with Lack of Progression in Viremic Individuals. <i>PLoS Pathogens</i> , 2014, 10, e1004345. | 2.1 | 76 |
| 63 | Conserved Residue Lys574 in the Cavity of HIV-1 Gp41 Coiled-coil Domain Is Critical for Six-helix Bundle Stability and Virus Entry. <i>Journal of Biological Chemistry</i> , 2007, 282, 25631-25639. | 1.6 | 75 |
| 64 | Emerging Role of the Host Restriction Factor Tetherin in Viral Immune Sensing. <i>Journal of Molecular Biology</i> , 2013, 425, 4956-4964. | 2.0 | 72 |
| 65 | Disrupting Surfaces of Nef Required for Downregulation of CD4 and for Enhancement of Virion Infectivity Attenuates Simian Immunodeficiency Virus Replication In Vivo. <i>Journal of Virology</i> , 2000, 74, 9836-9844. | 1.5 | 71 |
| 66 | Fibrils of Prostatic Acid Phosphatase Fragments Boost Infections with XMRV (Xenotropic Murine) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 <i>Virology</i> , 2009, 83, 6995-7003. | 1.5 | 71 |
| 67 | A molecular tweezer antagonizes seminal amyloids and HIV infection. <i>ELife</i> , 2015, 4, . | 2.8 | 71 |
| 68 | Short-Term Monotherapy in HIV-Infected Patients with a Virus Entry Inhibitor Against the gp41 Fusion Peptide. <i>Science Translational Medicine</i> , 2010, 2, 63re3. | 5.8 | 70 |
| 69 | Experimental infection of macaques with HIV-2ben, a novel HIV-2 isolate. <i>Aids</i> , 1990, 4, 611-618. | 1.0 | 69 |
| 70 | Is the high virulence of HIV-1 an unfortunate coincidence of primate lentiviral evolution?. <i>Nature Reviews Microbiology</i> , 2009, 7, 467-476. | 13.6 | 69 |
| 71 | Semen enhances HIV infectivity and impairs the antiviral efficacy of microbicides. <i>Science Translational Medicine</i> , 2014, 6, 262ra157. | 5.8 | 69 |
| 72 | A Highly Conserved Residue of the HIV-1 gp120 Inner Domain Is Important for Antibody-Dependent Cellular Cytotoxicity Responses Mediated by Anti-cluster A Antibodies. <i>Journal of Virology</i> , 2016, 90, 2127-2134. | 1.5 | 69 |

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|----|--|-----|-----------|
| 73 | Aminoquinoline Surfen Inhibits the Action of SEVI (Semen-derived Enhancer of Viral Infection). <i>Journal of Biological Chemistry</i> , 2010, 285, 1861-1869. | 1.6 | 68 |
| 74 | Human Immunodeficiency Virus Type 1 Inhibits DNA Damage-Triggered Apoptosis by a Nef-Independent Mechanism. <i>Journal of Virology</i> , 2005, 79, 5489-5498. | 1.5 | 66 |
| 75 | Manipulation of autophagy by SARS-CoV-2 proteins. <i>Autophagy</i> , 2021, 17, 2659-2661. | 4.3 | 65 |
| 76 | Evidence for the Cooperation of gp120 Amino Acids 322 and 448 in SIVmac Entry. <i>Virology</i> , 1993, 195, 167-174. | 1.1 | 64 |
| 77 | Efficient Class I Major Histocompatibility Complex Down-Regulation by Simian Immunodeficiency Virus Nef Is Associated with a Strong Selective Advantage in Infected Rhesus Macaques. <i>Journal of Virology</i> , 2001, 75, 10532-10536. | 1.5 | 64 |
| 78 | DC-SIGN Interactions with Human Immunodeficiency Virus: Virus Binding and Transfer Are Dissociable Functions. <i>Journal of Virology</i> , 2001, 75, 10523-10526. | 1.5 | 64 |
| 79 | HIV Triggers a cGAS-Dependent, Vpu- and Vpr-Regulated Type I Interferon Response in CD4 + T Cells. <i>Cell Reports</i> , 2016, 17, 413-424. | 2.9 | 64 |
| 80 | Implications of Nef: Host Cell Interactions in Viral Persistence and Progression to AIDS. <i>Current Topics in Microbiology and Immunology</i> , 2009, 339, 147-175. | 0.7 | 64 |
| 81 | HIV-1 Group P is unable to antagonize human tetherin by Vpu, Env or Nef. <i>Retrovirology</i> , 2011, 8, 103. | 0.9 | 61 |
| 82 | N4BP1 restricts HIV-1 and its inactivation by MALT1 promotes viral reactivation. <i>Nature Microbiology</i> , 2019, 4, 1532-1544. | 5.9 | 61 |
| 83 | Semen amyloids participate in spermatozoa selection and clearance. <i>ELife</i> , 2017, 6, . | 2.8 | 59 |
| 84 | Nef Proteins from Diverse Groups of Primate Lentiviruses Downmodulate CXCR4 To Inhibit Migration to the Chemokine Stromal Derived Factor 1. <i>Journal of Virology</i> , 2005, 79, 10650-10659. | 1.5 | 57 |
| 85 | CD4+ T Cellâ€‘Derived IL-21 and Deprivation of CD40 Signaling Favor the In Vivo Development of Granzyme Bâ€‘Expressing Regulatory B Cells in HIV Patients. <i>Journal of Immunology</i> , 2015, 194, 3768-3777. | 0.4 | 57 |
| 86 | Human Tetherin Exerts Strong Selection Pressure on the HIV-1 Group N Vpu Protein. <i>PLoS Pathogens</i> , 2012, 8, e1003093. | 2.1 | 55 |
| 87 | Multilayered and versatile inhibition of cellular antiviral factors by HIV and SIV accessory proteins. <i>Cytokine and Growth Factor Reviews</i> , 2018, 40, 3-12. | 3.2 | 55 |
| 88 | Cytopathicity of Human Immunodeficiency Virus Type 2 (HIV-2) in Human Lymphoid Tissue Is Coreceptor Dependent and Comparable to That of HIV-1. <i>Journal of Virology</i> , 2000, 74, 9594-9600. | 1.5 | 54 |
| 89 | HIV-1 infection activates endogenous retroviral promoters regulating antiviral gene expression. <i>Nucleic Acids Research</i> , 2020, 48, 10890-10908. | 6.5 | 54 |
| 90 | Liquefaction of Semen Generates and Later Degrades a Conserved Semenogelin Peptide That Enhances HIV Infection. <i>Journal of Virology</i> , 2014, 88, 7221-7234. | 1.5 | 53 |

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|-----|---|-----|-----------|
| 91 | HIV-1 Vpu is a potent transcriptional suppressor of NF- κ B-elicited antiviral immune responses. <i>ELife</i> , 2019, 8, . | 2.8 | 53 |
| 92 | Vpu-Mediated Counteraction of Tetherin Is a Major Determinant of HIV-1 Interferon Resistance. <i>MBio</i> , 2016, 7, . | 1.8 | 52 |
| 93 | Long-Term Nonprogressive Infection with Human Immunodeficiency Virus Type 1 in a Hemophilia Cohort. <i>Journal of Infectious Diseases</i> , 1999, 180, 1790-1802. | 1.9 | 51 |
| 94 | Circulating Nef Induces Dyslipidemia in Simian Immunodeficiency Virus-Infected Macaques by Suppressing Cholesterol Efflux. <i>Journal of Infectious Diseases</i> , 2010, 202, 614-623. | 1.9 | 51 |
| 95 | The inability to disrupt the immunological synapse between infected human T cells and APCs distinguishes HIV-1 from most other primate lentiviruses. <i>Journal of Clinical Investigation</i> , 2009, 119, 2965-75. | 3.9 | 50 |
| 96 | Inefficient Nef-Mediated Downmodulation of CD3 and MHC-I Correlates with Loss of CD4+ T Cells in Natural SIV Infection. <i>PLoS Pathogens</i> , 2008, 4, e1000107. | 2.1 | 49 |
| 97 | 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> , 2005, 79, 10547-10560. | 1.5 | 47 |
| 98 | Bergmann glial cells in situ express endothelinB receptors linked to cytoplasmic calcium signals. <i>Cell Calcium</i> , 1997, 21, 409-419. | 1.1 | 46 |
| 99 | Coreceptor 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> , 1999, 180, 1494-1502. | 1.9 | 46 |
| 100 | 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> , 2004, 78, 12689-12693. | 1.5 | 46 |
| 101 | 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> , 2004, 78, 6864-6874. | 1.5 | 46 |
| 102 | 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> , 2007, 81, 6563-6572. | 1.5 | 46 |
| 103 | CpG Frequency in the 5' Third of the <i>env</i> Gene Determines Sensitivity of Primary HIV-1 Strains to the Zinc-Finger Antiviral Protein. <i>MBio</i> , 2020, 11, . | 1.8 | 46 |
| 104 | Efficient SIVcpz replication in human lymphoid tissue requires viral matrix protein adaptation. <i>Journal of Clinical Investigation</i> , 2012, 122, 1644-1652. | 3.9 | 44 |
| 105 | 90K, an interferon-stimulated gene product, reduces the infectivity of HIV-1. <i>Retrovirology</i> , 2013, 10, 111. | 0.9 | 43 |
| 106 | Human-Specific Adaptations in Vpu Conferring Anti-tetherin Activity Are Critical for Efficient Early HIV-1 Replication In Vivo. <i>Cell Host and Microbe</i> , 2018, 23, 110-120.e7. | 5.1 | 43 |
| 107 | Selective downmodulation of HLA-A and -B by Nef alleles from different groups of primate lentiviruses. <i>Virology</i> , 2008, 373, 229-237. | 1.1 | 42 |
| 108 | Simian Immunodeficiency Virus Utilizes Human and Sooty Mangabey but Not Rhesus Macaque STRL33 for Efficient Entry. <i>Journal of Virology</i> , 2000, 74, 5075-5082. | 1.5 | 41 |

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|-----|--|------|-----------|
| 109 | Nef Associates with p21-Activated Kinase 2 in a p21-GTPase-Dependent Dynamic Activation Complex within Lipid Rafts. <i>Journal of Virology</i> , 2004, 78, 12773-12780. | 1.5 | 41 |
| 110 | The Human Immunodeficiency Virus Type 1 <i>nef</i> Gene Can to a Large Extent Replace Simian Immunodeficiency Virus <i>nef</i> In Vivo. <i>Journal of Virology</i> , 1999, 73, 8371-8383. | 1.5 | 41 |
| 111 | Lentiviral Nef suppresses iron uptake in a strain specific manner through inhibition of Transferrin endocytosis. <i>Retrovirology</i> , 2014, 11, 1. | 0.9 | 40 |
| 112 | BST-2 Expression Modulates Small CD4-Mimetic Sensitization of HIV-1-Infected Cells to Antibody-Dependent Cellular Cytotoxicity. <i>Journal of Virology</i> , 2017, 91, . | 1.5 | 40 |
| 113 | A novel proviral clone of HIV-2: Biological and phylogenetic relationship to other primate immunodeficiency viruses. <i>Virology</i> , 1990, 177, 305-311. | 1.1 | 39 |
| 114 | Partial Repair of Defective NEF Genes in a Long-Term Nonprogressor with Human Immunodeficiency Virus Type 1 Infection. <i>Journal of Infectious Diseases</i> , 2000, 181, 132-140. | 1.9 | 39 |
| 115 | CD95 co-stimulation blocks activation of naive T cells by inhibiting T cell receptor signaling. <i>Journal of Experimental Medicine</i> , 2009, 206, 1379-1393. | 4.2 | 39 |
| 116 | HIV-1 Nefs Are Cargo-Sensitive AP-1 Trimerization Switches in Tetherin Downregulation. <i>Cell</i> , 2018, 174, 659-671.e14. | 13.5 | 38 |
| 117 | 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> , 2002, 46, 982-990. | 1.4 | 37 |
| 118 | Efficient Nef-Mediated Downmodulation of TCR-CD3 and CD28 Is Associated with High CD4 ⁺ T Cell Counts in Viremic HIV-2 Infection. <i>Journal of Virology</i> , 2012, 86, 4906-4920. | 1.5 | 37 |
| 119 | Early Vertebrate Evolution of the Host Restriction Factor Tetherin. <i>Journal of Virology</i> , 2015, 89, 12154-12165. | 1.5 | 37 |
| 120 | HIV-1-Mediated Downmodulation of HLA-C Impacts Target Cell Recognition and Antiviral Activity of NK Cells. <i>Cell Host and Microbe</i> , 2017, 22, 111-119.e4. | 5.1 | 37 |
| 121 | The HIV-1 Env gp120 Inner Domain Shapes the Phe43 Cavity and the CD4 Binding Site. <i>MBio</i> , 2020, 11, . | 1.8 | 37 |
| 122 | An optimized MM/PBSA virtual screening approach applied to an HIV-1 gp41 fusion peptide inhibitor. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011, 79, 3221-3235. | 1.5 | 36 |
| 123 | Discovery of modulators of HIV-1 infection from the human peptidome. <i>Nature Reviews Microbiology</i> , 2014, 12, 715-722. | 13.6 | 36 |
| 124 | Activity of Human Immunodeficiency Virus Type 1 Promoter/TAR Regions and tat1 Genes Derived from Individuals with Different Rates of Disease Progression. <i>Virology</i> , 1997, 232, 319-331. | 1.1 | 35 |
| 125 | Reacquisition of Nef-Mediated Tetherin Antagonism in a Single In Vivo Passage of HIV-1 through Its Original Chimpanzee Host. <i>Cell Host and Microbe</i> , 2012, 12, 373-380. | 5.1 | 35 |
| 126 | Association of Nef with p21-Activated Kinase 2 Is Dispensable for Efficient Human Immunodeficiency Virus Type 1 Replication and Cytopathicity in Ex Vivo-Infected Human Lymphoid Tissue. <i>Journal of Virology</i> , 2007, 81, 13005-13014. | 1.5 | 34 |

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|-----|---|-----|-----------|
| 127 | Primate lentiviruses use at least three alternative strategies to suppress NF- κ B-mediated immune activation. <i>PLoS Pathogens</i> , 2017, 13, e1006598. | 2.1 | 34 |
| 128 | Exploiting the human peptidome for novel antimicrobial and anticancer agents. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 2719-2726. | 1.4 | 34 |
| 129 | Simian Immunodeficiency Virus Containing Mutations in N-Terminal Tyrosine Residues and in the PxxP Motif in Nef Replicates Efficiently in Rhesus Macaques. <i>Journal of Virology</i> , 2000, 74, 4155-4164. | 1.5 | 33 |
| 130 | Effect of semen and seminal amyloid on vaginal transmission of simian immunodeficiency virus. <i>Retrovirology</i> , 2013, 10, 148. | 0.9 | 33 |
| 131 | Is Nef the elusive cause of HIV-associated hematopoietic dysfunction?. <i>Journal of Clinical Investigation</i> , 2008, 118, 1622-5. | 3.9 | 33 |
| 132 | Expression and coreceptor activity of STRL33/Bonzo on primary peripheral blood lymphocytes. <i>Blood</i> , 2000, 96, 41-49. | 0.6 | 33 |
| 133 | HIV-1 Vpu Does Not Degrade Interferon Regulatory Factor 3. <i>Journal of Virology</i> , 2013, 87, 7160-7165. | 1.5 | 32 |
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