Michael Schindler

List of Publications by Year
in descending order

Version: 2024-02-01

97 papers	6,197 citations	109321 35 h-index	76900 74 g-index
108 all docs	108 docs citations	108 times ranked	8818 citing authors

#	Article	IF	Citations
1	HCV egress â€“ unconventional secretion of assembled viral particles. Trends in Microbiology, 2022, 30, 364-378.	7.7	9
2	Biparatopic nanobodies protect mice from lethal challenge with SARSâ€CoVâ€2 variants of concern. EMBO Reports, 2022, 23, e53865.	4.5	18
3	Flow cytometry based-FRET: basics, novel developments and future perspectives. Cellular and Molecular Life Sciences, 2022, 79, 217.	5.4	7
4	COVID-19 patient serum less potently inhibits ACE2-RBD binding for various SARS-CoV-2 RBD mutants. Scientific Reports, 2022, 12, 7168.	3.3	15
5	First results of investigations of SARS-CoV-2 RNA in human corneal tissue. Ophthalmologe, 2021, 118, 78-80.	1.1	4
6	Antibody Response against SARS-CoV-2 and Seasonal Coronaviruses in Nonhospitalized COVID-19 Patients. MSphere, 2021, 6, .	2.9	19
7	Structure-guided multivalent nanobodies block SARS-CoV-2 infection and suppress mutational escape. Science, 2021, 371, .	12.6	304
8	Inactivation of SARS-CoV-2 through Treatment with the Mouth Rinsing Solutions ViruProXÂ® and BacterXÂ® Pro. Microorganisms, 2021, 9, 521.	3.6	34
9	NeutrobodyPlexâ€”monitoring SARSâ€CoVâ€2 neutralizing immune responses using nanobodies. EMBO Reports, 2021, 22, e52325.	4.5	43
10	Designing a SARS-CoV-2 T-Cell-Inducing Vaccine for High-Risk Patient Groups. Vaccines, 2021, 9, 428.	4.4	22
11	Quinine Inhibits Infection of Human Cell Lines with SARS-CoV-2. Viruses, 2021, 13, 647.	3.3	41
12	Immune response to SARS-CoV-2 variants of concern in vaccinated individuals. Nature Communications, 2021, 12, 3109.	12.8	118
13	Comprehensive Analysis of Human Cytomegalovirus- and HIV-Mediated Plasma Membrane Remodeling in Macrophages. MBio, 2021, 12, e0177021.	4.1	5
14	Lectin from Triticum vulgaris (WGA) Inhibits Infection with SARS-CoV-2 and Its Variants of Concern Alpha and Beta. International Journal of Molecular Sciences, 2021, 22, 10205.	4.1	17
15	Rapid, dose-dependent and efficient inactivation of surface dried SARS-CoV-2 by 254 nm UV-C irradiation. Eurosurveillance, 2021, 26, .	7.0	19
16	Long-Term Humoral Immune Response against SARS-CoV-2 after Natural Infection and Subsequent Vaccination According to WHO International Binding Antibody Units (BAU/mL). Viruses, 2021, 13, 2336.	3.3	10
17	Iota-Carrageenan Inhibits Replication of SARS-CoV-2 and the Respective Variants of Concern Alpha, Beta, Gamma and Delta. International Journal of Molecular Sciences, 2021, 22, 13202.	4.1	20
18	Persisting Neutralizing Activity to SARS-CoV-2 over Months in Sera of COVID-19 Patients. Viruses, 2020, 12, 1357.	3.3	19

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19	The human Î±-defensin-derived peptide HD5(1â€“9) inhibits cellular attachment and entry of human cytomegalovirus. Antiviral Research, 2020, 177, 104779.	4.1	10
20	Analysis of IFITM-IFITM Interactions by a Flow Cytometry-Based FRET Assay. International Journal of Molecular Sciences, 2019, 20, 3859.	4.1	20
21	Flow cytometry-based FRET identifies binding intensities in PPARÎ³1 protein-protein interactions in living cells. Theranostics, 2019, 9, 5444-5463.	10.0	6
22	Platelets Aggregate With Neutrophils and Promote Skin Pathology in Psoriasis. Frontiers in Immunology, 2019, 10, 1867.	4.8	29
23	A viral kinase counteracts in vivo restriction of murine cytomegalovirus by SAMHD1. Nature Microbiology, 2019, 4, 2273-2284.	13.3	19
24	Human cytomegalovirus overcomes SAMHD1 restriction in macrophages via pUL97. Nature Microbiology, 2019, 4, 2260-2272.	13.3	37
25	Release of Immunomodulatory Ebola Virus Glycoprotein-Containing Microvesicles Is Suppressed by Tetherin in a Species-Specific Manner. Cell Reports, 2019, 26, 1841-1853.e6.	6.4	13
26	Tetherin Inhibits Nipah Virus but Not Ebola Virus Replication in Fruit Bat Cells. Journal of Virology, 2019, 93, .	3.4	18
27	A GXXXA Motif in the Transmembrane Domain of the Ebola Virus Glycoprotein Is Required for Tetherin Antagonism. Journal of Virology, 2018, 92, .	3.4	12
28	Domains of the Hepatitis B Virus Small Surface Protein S Mediating Oligomerization. Journal of Virology, 2018, 92, .	3.4	15
29	Activated integrins identify functional antigen-specific CD8⁺T cells within minutes after antigen stimulation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5536-E5545.	7.1	19
30	ESCRT machinery components are required for Orthobunyavirus particle production in Golgi compartments. PLoS Pathogens, 2018, 14, e1007047.	4.7	18
31	T cells with low CD2 levels express reduced restriction factors and are preferentially infected in therapy naÃ¯ve chronic HIVâ€1 patients. Journal of the International AIDS Society, 2017, 20, 21865.	3.0	8
32	Dual role of the chromatin-binding factor PHF13 in the pre- and post-integration phases of HIV-1 replication. Open Biology, 2017, 7, 170115.	3.6	10
33	Supramolecular combinations of humic polyanions as potent microbicides with polymodal anti-HIV-activities. New Journal of Chemistry, 2017, 41, 212-224.	2.8	19
34	Virion encapsidated HIV-1 Vpr induces NFAT to prime non-activated T cells for productive infection. Open Biology, 2016, 6, 160046.	3.6	21
35	Hepatitis C Virus Is Released via a Noncanonical Secretory Route. Journal of Virology, 2016, 90, 10558-10573.	3.4	33
36	The Tetherin Antagonism of the Ebola Virus Glycoprotein Requires an Intact Receptor-Binding Domain and Can Be Blocked by GP1-Specific Antibodies. Journal of Virology, 2016, 90, 11075-11086.	3.4	21

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37	Potent in vitro antiviral activity of Cistus incanus extract against HIV and Filoviruses targets viral envelope proteins. Scientific Reports, 2016, 6, 20394.	3.3	65
38	A novel pVHL-independent but NEMO-driven pathway in renal cancer promotes HIF stabilization. Oncogene, 2016, 35, 3125-3138.	5.9	9
39	Vpu Is the Main Determinant for Tetraspanin Downregulation in HIV-1-Infected Cells. Journal of Virology, 2015, 89, 3247-3255.	3.4	33
40	Tetherin Sensitivity of Influenza A Viruses Is Strain Specific: Role of Hemagglutinin and Neuraminidase. Journal of Virology, 2015, 89, 9178-9188.	3.4	31
41	HIV-1 Nef and Vpu Interfere with L-Selectin (CD62L) Cell Surface Expression To Inhibit Adhesion and Signaling in Infected CD4⁺T Lymphocytes. Journal of Virology, 2015, 89, 5687-5700.	3.4	39
42	Cell Surface Proteomic Map of HIV Infection RevealsÂAntagonism of Amino Acid Metabolism by Vpu and Nef. Cell Host and Microbe, 2015, 18, 409-423.	11.0	158
43	AP-2 Is the Crucial Clathrin Adaptor Protein for CD4 Downmodulation by HIV-1 Nef in Infected Primary CD4 ⁺ T Cells. Journal of Virology, 2015, 89, 12518-12524.	3.4	16
44	A Combined Omics Approach to Generate the Surface Atlas of Human Naive CD4+ T Cells during Early T-Cell Receptor Activation. Molecular and Cellular Proteomics, 2015, 14, 2085-2102.	3.8	40
45	Analysis of Determinants in Filovirus Glycoproteins Required for Tetherin Antagonism. Viruses, 2014, 6, 1654-1671.	3.3	22
46	Lentiviral Nef suppresses iron uptake in a strain specific manner through inhibition of Transferrin endocytosis. Retrovirology, 2014, 11, 1.	2.0	40
47	Specific and Nonhepatotoxic Degradation of Nuclear Hepatitis B Virus cccDNA. Science, 2014, 343, 1221-1228.	12.6	774
48	HIV-1 Vpu mediated downregulation of CD155 requires alanine residues 10, 14 and 18 of the transmembrane domain. Virology, 2014, 464-465, 375-384.	2.4	34
49	The Intraviral Protein Interaction Network of Hepatitis C Virus. Molecular and Cellular Proteomics, 2014, 13, 1676-1689.	3.8	36
50	The Root Extract of the Medicinal Plant Pelargonium sidoides Is a Potent HIV-1 Attachment Inhibitor. PLoS ONE, 2014, 9, e87487.	2.5	78
51	HIV-1 Replication in Human Immune Cells Is Independent of TAR DNA Binding Protein 43 (TDP-43) Expression. PLoS ONE, 2014, 9, e105478.	2.5	15
52	Nef variants from non-pathogenic lentiviral strains inhibit iron uptake through an AP2-dependent inhibition of transferrin endocytosis. Retrovirology, 2013, 10, .	2.0	0
53	Primate lentiviral Nef proteins deregulate T-cell development by multiple mechanisms. Retrovirology, 2013, 10, 137.	2.0	4
54	HIV-1 Vpu affects the anterograde transport and the glycosylation pattern of NTB-A. Virology, 2013, 440, 190-203.	2.4	31

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55	Dynamics of HIV-Containing Compartments in Macrophages Reveal Sequestration of Virions and Transient Surface Connections. PLoS ONE, 2013, 8, e69450.	2.5	53
56	Critical role for the kinesin KIF3A in the HIV life cycle in primary human macrophages. Journal of Cell Biology, 2012, 199, 467-479.	5.2	41
57	Down-Modulation of CD8Î±Î² Is a Fundamental Activity of Primate Lentiviral Nef Proteins. Journal of Virology, 2012, 86, 36-48.	3.4	17
58	Macrophage Internal HIV-1 Is Protected from Neutralizing Antibodies. Journal of Virology, 2012, 86, 2826-2836.	3.4	69
59	HIV-mediated up-regulation of invariant chain (CD74) correlates with generalized immune activation in HIV+ subjects. Virus Research, 2012, 163, 380-384.	2.2	10
60	Macrophages and their relevance in Human Immunodeficiency Virus Type I infection. Retrovirology, 2012, 9, 82.	2.0	213
61	Formation of Trans-Activation Competent HIV-1 Rev:RRE Complexes Requires the Recruitment of Multiple Protein Activation Domains. PLoS ONE, 2012, 7, e38305.	2.5	23
62	No Detection of XMRV in Blood Samples and Tissue Sections from Prostate Cancer Patients in Northern Europe. PLoS ONE, 2011, 6, e25592.	2.5	17
63	Ion channel activity of HIV-1 Vpu is dispensable for counteraction of CD317. Virology, 2011, 416, 75-85.	2.4	35
64	Mutation of a diacidic motif in SIV-PBj Nef impairs T-cell activation and enteropathic disease. Retrovirology, 2011, 8, 14.	2.0	1
65	The Ebola Virus Glycoprotein and HIV-1 Vpu Employ Different Strategies to Counteract the Antiviral Factor Tetherin. Journal of Infectious Diseases, 2011, 204, S850-S860.	4.0	64
66	The Presence of a vpu Gene and the Lack of Nef-Mediated Downmodulation of T Cell Receptor-CD3 Are Not Always Linked in Primate Lentiviruses. Journal of Virology, 2011, 85, 742-752.	3.4	29
67	Vpu serine 52 dependent counteraction of tetherin is required for HIV-1 replication in macrophages, but not in ex vivo human lymphoid tissue. Retrovirology, 2010, 7, 1.	2.0	87
68	A Flow Cytometry-Based FRET Assay to Identify and Analyse Protein-Protein Interactions in Living Cells. PLoS ONE, 2010, 5, e9344.	2.5	137
69	HIV-1 assembly in macrophages. Retrovirology, 2010, 7, 29.	2.0	65
70	Inhibition of T-Cell Receptor-Induced Actin Remodeling and Relocalization of Lck Are Evolutionarily Conserved Activities of Lentiviral Nef Proteins. Journal of Virology, 2009, 83, 11528-11539.	3.4	41
71	Single Nef Proteins from HIV Type 1 Subtypes C and F Fail to Upregulate Invariant Chain Cell Surface Expression But Are Active for Other Functions. AIDS Research and Human Retroviruses, 2009, 25, 285-296.	1.1	13
72	Tetherin-Driven Adaptation of Vpu and Nef Function and the Evolution of Pandemic and Nonpandemic HIV-1 Strains. Cell Host and Microbe, 2009, 6, 409-421.	11.0	391

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73	Conservation of Nef function across highly diverse lineages of SIVsmm. Retrovirology, 2009, 6, 36.	2.0	15
74	Role of Nef in primate lentiviral immunopathogenesis. Cellular and Molecular Life Sciences, 2008, 65, 2621-2636.	5.4	109
75	Selective downmodulation of HLA-A and -B by Nef alleles from different groups of primate lentiviruses. Virology, 2008, 373, 229-237.	2.4	42
76	Inefficient Nef-Mediated Downmodulation of CD3 and MHC-I Correlates with Loss of CD4+ T Cells in Natural SIV Infection. PLoS Pathogens, 2008, 4, e1000107.	4.7	49
77	Human Immunodeficiency Virus Type 1 Nef Expression Prevents AP-2-Mediated Internalization of the Major Histocompatibility Complex Class II-Associated Invariant Chain. Journal of Virology, 2008, 82, 8373-8382.	3.4	20
78	Primary Human Immunodeficiency Virus Type 1 Nef Alleles Show Major Differences in Pathogenicity in Transgenic Mice. Journal of Virology, 2007, 81, 4677-4693.	3.4	18
79	Nef alleles from children with non-progressive HIV-1 infection modulate MHC-II expression more efficiently than those from rapid progressors. Aids, 2007, 21, 1103-1107.	2.2	25
80	Nef-Mediated Enhancement of Virion Infectivity and Stimulation of Viral Replication Are Fundamental Properties of Primate Lentiviruses. Journal of Virology, 2007, 81, 13852-13864.	3.4	102
81	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. Journal of Virology, 2007, 81, 13005-13014.	3.4	34
82	Discovery and Optimization of a Natural HIV-1 Entry Inhibitor Targeting the gp41 Fusion Peptide. Cell, 2007, 129, 263-275.	28.9	244
83	Semen-Derived Amyloid Fibrils Drastically Enhance HIV Infection. Cell, 2007, 131, 1059-1071.	28.9	510
84	Nef-Mediated Suppression of T Cell Activation Was Lost in a Lentiviral Lineage that Gave Rise to HIV-1. Cell, 2006, 125, 1055-1067.	28.9	359
85	Effect of R77Q, R77A and R80A changes in Vpr on HIV-1 replication and CD4 T cell depletion in human lymphoid tissue ex vivo. Aids, 2006, 20, 831-836.	2.2	30
86	Contribution of Vpu, Env, and Nef to CD4 Down-Modulation and Resistance of Human Immunodeficiency Virus Type 1-Infected T Cells to Superinfection. Journal of Virology, 2006, 80, 8047-8059.	3.4	178
87	Importance of the N-Distal AP-2 Binding Element in Nef for Simian Immunodeficiency Virus Replication and Pathogenicity in Rhesus Macaques. Journal of Virology, 2006, 80, 4469-4481.	3.4	23
88	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. Journal of Virology, 2005, 79, 10547-10560.	3.4	47
89	Human Immunodeficiency Virus Type 1 Inhibits DNA Damage-Triggered Apoptosis by a Nef-Independent Mechanism. Journal of Virology, 2005, 79, 5489-5498.	3.4	66
90	Nef Induces Multiple Genes Involved in Cholesterol Synthesis and Uptake in Human Immunodeficiency Virus Type 1-Infected T Cells. Journal of Virology, 2005, 79, 10053-10058.	3.4	89

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91	Nef Proteins from Diverse Groups of Primate Lentiviruses Downmodulate CXCR4 To Inhibit Migration to the Chemokine Stromal Derived Factor 1. Journal of Virology, 2005, 79, 10650-10659.	3.4	57
92	Nef Proteins from Simian Immunodeficiency Virus-Infected Chimpanzees Interact with p21-Activated Kinase 2 and Modulate Cell Surface Expression of Various Human Receptors. Journal of Virology, 2004, 78, 6864-6874.	3.4	46
93	Comprehensive Analysis of Nef Functions Selected in Simian Immunodeficiency Virus-Infected Macaques. Journal of Virology, 2004, 78, 10588-10597.	3.4	30
94	Alterations in HIV-1 LTR promoter activity during AIDS progression. Virology, 2003, 317, 109-118.	2.4	18
95	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. Journal of Virology, 2003, 77, 10548-10556.	3.4	153
96	Enhanced CD4 Down-modulation by Late Stage HIV-1 nef Alleles Is Associated with Increased Env Incorporation and Viral Replication. Journal of Biological Chemistry, 2003, 278, 33912-33919.	3.4	76
97	Mosses share mitochondrial group II introns with flowering plants, not with liverworts. Molecular Genetics and Genomics, 2001, 266, 608-613.	2.1	36