Michael I Bukrinsky

List of Publications by Year
in descending order

137 papers	7,220 citations	71061 41 h-index	62565 80 g-index
143 all docs	143 docs citations	143 times ranked	6888 citing authors

#	Article	IF	Citations
1	A nuclear localization signal within HIV-1 matrix protein that governs infection of non-dividing cells. Nature, 1993, 365, 666-669.	13.7	882
2	Active Site Residues of Cyclophilin A Are Crucial for Its Signaling Activity via CD147. Journal of Biological Chemistry, 2002, 277, 22959-22965.	1.6	283
3	Human Immunodeficiency Virus Impairs Reverse Cholesterol Transport from Macrophages. PLoS Biology, 2006, 4, e365.	2.6	266
4	Human Immunodeficiency Virus Type 1 Enters Brain Microvascular Endothelia by Macropinocytosis Dependent on Lipid Rafts and the Mitogen-Activated Protein Kinase Signaling Pathway. Journal of Virology, 2002, 76, 6689-6700.	1.5	256
5	The neuropathogenesis of HIV-1 infection. Journal of Leukocyte Biology, 1994, 56, 389-398.	1.5	247
6	Cytokine-stimulated astrocytes damage human neurons via a nitric oxide mechanism. Glia, 1996, 16, 276-284.	2.5	239
7	Extracellular Cyclophilins Contribute to the Regulation of Inflammatory Responses. Journal of Immunology, 2005, 175, 517-522.	0.4	210
8	Chemokines and HIV replication. Nature, 1996, 382, 767-767.	13.7	181
9	Human Immunodeficiency Virus Type 1 T-Lymphotropic Strains Enter Macrophages via a CD4- and CXCR4-Mediated Pathway: Replication Is Restricted at a Postentry Level. Journal of Virology, 1998, 72, 4633-4642.	1.5	165
10	Relative Contribution of Transcription and Translation to the Induction of Tumor Necrosis Factor-Î± by Lipopolysaccharide. Journal of Biological Chemistry, 1998, 273, 974-980.	1.6	164
11	Viral Protein R Regulates Docking of the HIV-1 Preintegration Complex to the Nuclear Pore Complex. Journal of Biological Chemistry, 1998, 273, 13347-13352.	1.6	164
12	Dealing with the family: CD147 interactions with cyclophilins. Immunology, 2006, 117, 301-309.	2.0	164
13	Two nuclear localization signals in the HIV-1 matrix protein regulate nuclear import of the HIV-1 pre-integration complex 1 1Edited by M. Gottesman. Journal of Molecular Biology, 2000, 299, 359-368.	2.0	135
14	CD147 Is a Signaling Receptor for Cyclophilin B. Biochemical and Biophysical Research Communications, 2001, 288, 786-788.	1.0	129
15	HIV infection and high density lipoprotein metabolism. Atherosclerosis, 2008, 199, 79-86.	0.4	127
16	The macrophage: the intersection between HIV infection and atherosclerosis. Journal of Leukocyte Biology, 2009, 87, 589-598.	1.5	119
17	Novel Approach to Inhibit Asthma-Mediated Lung Inflammation Using Anti-CD147 Intervention. Journal of Immunology, 2006, 177, 4870-4879.	0.4	116
18	Preferential chemotaxis of activated human CD4+ T cells by extracellular cyclophilin A. Journal of Leukocyte Biology, 2007, 82, 613-618.	1.5	104

#	Article	IF	Citations
19	The B-Oligomer of Pertussis Toxin Deactivates Cc Chemokine Receptor 5 and Blocks Entry of M-Tropic HIV-1 Strains. Journal of Experimental Medicine, 1999, 190, 597-606.	4.2	97
20	Cardiomyocytes undergo apoptosis in human immunodeficiency virus cardiomyopathy through mitochondrion- and death receptor-controlled pathways. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14386-14391.	3.3	96
21	Cyclophilins: unexpected messengers in intercellular communications. Trends in Immunology, 2002, 23, 323-325.	2.9	87
22	Exosomes containing HIV protein Nef reorganize lipid rafts potentiating inflammatory response in bystander cells. PLoS Pathogens, 2019, 15, e1007907.	2.1	86
23	Heat-Shock Protein 70 Can Replace Viral Protein R of HIV-1 during Nuclear Import of the Viral Preintegration Complex. Experimental Cell Research, 2000, 259, 398-403.	1.2	85
24	Heat Shock Protein 70 Protects Cells from Cell Cycle Arrest and Apoptosis Induced by Human Immunodeficiency Virus Type 1 Viral Protein R. Journal of Virology, 2004, 78, 9697-9704.	1.5	85
25	Targeting the chemotactic function of CD147 reduces collagenâ€induced arthritis. Immunology, 2009, 126, 55-62.	2.0	85
26	The lysosome: A potential juncture between SARSâ€CoVâ€2 infectivity and Niemannâ€Pick diseaseÂtype C, with therapeutic implications. FASEB Journal, 2020, 34, 7253-7264.	0.2	83
27	Viral protein R of HIV-1. , 1999, 9, 39-49.		69
28	HIV-1 Nef mobilizes lipid rafts in macrophages through a pathway that competes with ABCA1-dependent cholesterol efflux. Journal of Lipid Research, 2012, 53, 696-708.	2.0	69
29	Lipopolysaccharide Inhibits HIV-1 Infection of Monocyte- Derived Macrophages Through Direct and Sustained Down-Regulation of CC Chemokine Receptor 5. Journal of Immunology, 2000, 164, 2592-2601.	0.4	66
30	Cell Surface Expression of CD147/EMMPRIN Is Regulated by Cyclophilin 60. Journal of Biological Chemistry, 2005, 280, 27866-27871.	1.6	66
31	Solution Characterization of the Extracellular Region of CD147 and Its Interaction with Its Enzyme Ligand Cyclophilin A. Journal of Molecular Biology, 2009, 391, 518-535.	2.0	66
32	Roles of HIV-1 auxiliary proteins in viral pathogenesis and host-pathogen interactions. Cell Research, 2005, 15, 923-934.	5.7	65
33	Virus-producing cells determine the host protein profiles of HIV-1 virion cores. Retrovirology, 2012, 9, 65.	0.9	62
34	Human Immunodeficiency Virus (HIV) Latency: The Major Hurdle in HIV Eradication. Molecular Medicine, 2012, 18, 1096-1108.	1.9	62
35	Regulation of CD147 Cell Surface Expression. Journal of Biological Chemistry, 2005, 280, 17013-17019.	1.6	60
36	Stimulation of the Liver X Receptor Pathway Inhibits HIV-1 Replication via Induction of ATP-Binding Cassette Transporter A1. Molecular Pharmacology, 2010, 78, 215-225.	1.0	54

#	Article	IF	Citations
37	A Cell-Impermeable Cyclosporine A Derivative Reduces Pathology in a Mouse Model of Allergic Lung Inflammation. Journal of Immunology, 2010, 185, 7663-7670.	0.4	53
38	Circulating Nef Induces Dyslipidemia in Simian Immunodeficiency Virusâ€“Infected Macaques by Suppressing Cholesterol Efflux. Journal of Infectious Diseases, 2010, 202, 614-623.	1.9	51
39	HIV protein Nef causes dyslipidemia and formation of foam cells in mouse models of atherosclerosis. FASEB Journal, 2014, 28, 2828-2839.	0.2	45
40	Targeting Lipid Raftsâ€”A Potential Therapy for COVID-19. Frontiers in Immunology, 2020, 11, 574508.	2.2	45
41	Enhancing apolipoprotein A-I-dependent cholesterol efflux elevates cholesterol export from macrophages in vivo. Journal of Lipid Research, 2008, 49, 2312-2322.	2.0	44
42	A Cyclosporin Derivative Discriminates between Extracellular and Intracellular Cyclophilins. Angewandte Chemie - International Edition, 2010, 49, 213-215.	7.2	43
43	Extracellular cyclophilins in health and disease. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 2087-2095.	1.1	43
44	Lipid rafts and pathogens: the art of deception and exploitation. Journal of Lipid Research, 2020, 61, 601-610.	2.0	43
45	Human immunodeficiency virus infection and macrophage cholesterol metabolism. Journal of Leukocyte Biology, 2006, 80, 1044-1051.	1.5	42
46	A hard way to the nucleus. Molecular Medicine, 2004, 10, 1-5.	1.9	41
47	Interaction of pathogens with host cholesterol metabolism. Current Opinion in Lipidology, 2014, 25, 333-338.	1.2	40
48	Vpr-Host Interactions During HIV-1 Viral Life Cycle. Journal of NeuroImmune Pharmacology, 2011, 6, 216-229.	2.1	39
49	Cytomegalovirus Restructures Lipid Rafts via a US28/CDC42-Mediated Pathway, Enhancing Cholesterol Efflux from Host Cells. Cell Reports, 2016, 16, 186-200.	2.9	39
50	The B-Oligomer of Pertussis Toxin Inhibits Human Immunodeficiency Virus Type 1 Replication at Multiple Stages. Journal of Virology, 2000, 74, 8767-8770.	1.5	36
51	Cold Atmospheric Plasma Inhibits HIV-1 Replication in Macrophages by Targeting Both the Virus and the Cells. PLoS ONE, 2016, 11, e0165322.	1.1	36
52	Phosphorylation of Vpr Regulates HIV Type 1 Nuclear Import and Macrophage Infection. AIDS Research and Human Retroviruses, 2002, 18, 283-288.	0.5	35
53	Anti-Vpr Activities of Heat Shock Protein 27. Molecular Medicine, 2007, 13, 229-239.	1.9	34
54	Anti-idiotypic Antibody to the V3 Domain of gp120 Binds to Vimentin: A Possible Role of Intermediate Filaments in the Early Steps of HIV-1 Infection Cycle. Viral Immunology, 1996, 9, 73-87.	0.6	33

#	Article	IF	Citations
55	The Binding Subunit of Pertussis Toxin Inhibits HIV Replication in Human Macrophages and Virus Expression in Chronically Infected Promonocytic U1 Cells. Journal of Immunology, 2001, 166, 1863-1870.	0.4	33
56	Mutation of the ATP Cassette Binding Transporter A1 (ABCA1) C-Terminus Disrupts HIV-1 Nef Binding but Does Not Block the Nef Enhancement of ABCA1 Protein Degradation. Biochemistry, 2010, 49, 8338-8349.	1.2	32
57	The effect of HIV infection on atherosclerosis and lipoprotein metabolism: A one year prospective study. Atherosclerosis, 2013, 229, 206-211.	0.4	31
58	Prion Infection Impairs Cholesterol Metabolism in Neuronal Cells. Journal of Biological Chemistry, 2014, 289, 789-802.	1.6	31
59	Small GTPase ARF6 Regulates Endocytic Pathway Leading to Degradation of ATP-Binding Cassette Transporter A1. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 2292-2303.	1.1	31
60	Highly Immunogenic Human Immunodeficiency Viruslike Particles are Produced by Recombinant Vaccinia Virus-Infected Cells. AIDS Research and Human Retroviruses, 1991, 7, 29-36.	0.5	30
61	Posttranslational Modifications within the HIV-1 Envelope Glycoprotein Which Restrict Virus Assembly and CD4-Dependent Infection. AIDS Research and Human Retroviruses, 1991, 7, 501-510.	0.5	30
62	Oxadiazols: a New Class of Rationally Designed Anti-Human Immunodeficiency Virus Compounds Targeting the Nuclear Localization Signal of the Viral Matrix Protein. Journal of Virology, 2005, 79, 13028-13036.	1.5	30
63	HIV-1 Protein Nef Inhibits Activity of ATP-binding Cassette Transporter A1 by Targeting Endoplasmic Reticulum Chaperone Calnexin. Journal of Biological Chemistry, 2014, 289, 28870-28884.	1.6	30
64	Comorbidities of HIV infection. Aids, 2020, 34, 1-13.	1.0	30
65	CD147 stimulates HIV-1 infection in a signal-independent fashion. Biochemical and Biophysical Research Communications, 2007, 363, 495-499.	1.0	29
66	Modified LDL Particles Activate Inflammatory Pathways in Monocyte-derived Macrophages: Transcriptome Analysis. Current Pharmaceutical Design, 2018, 24, 3143-3151.	0.9	29
67	Mechanisms of HIV Transcriptional Regulation by Drugs of Abuse. Current HIV Research, 2016, 14, 442-454.	0.2	29
68	Cell Proliferation Is Not Required for Productive HIV-1 Infection of Macrophages. Virology, 1997, 232, 379-384.	1.1	28
69	Blocking Cyclophilins in the Chronic Phase of Asthma Reduces the Persistence of Leukocytes and Disease Reactivation. American Journal of Respiratory Cell and Molecular Biology, 2011, 45, 991-998.	1.4	27
70	HIV infection induces structural and functional changes in high density lipoproteins. Atherosclerosis, 2015, 243, 19-29.	0.4	27
71	Anti-Vpr Activity of a Yeast Chaperone Protein. Journal of Virology, 2004, 78, 11016-11029.	1.5	26
72	HIV-1 transforms the monocyte plasma membrane proteome. Cellular Immunology, 2009, 258, 44-58.	1.4	25

#	Article	IF	Citations
73	Cyclophilin A cooperates with MIP-2 to augment neutrophil migration. Journal of Inflammation Research, 2011, 4, 93.	1.6	25
74	Inhibition of HIV Replication by Apolipoprotein A-I Binding Protein Targeting the Lipid Rafts. MBio, 2020, 11, .	1.8	24
75	The effects of cocaine on HIV transcription. Journal of NeuroVirology, 2016, 22, 261-274.	1.0	23
76	CNI-H0294, a Nuclear Importation Inhibitor of the Human Immunodeficiency Virus Type 1 Genome, Abrogates Virus Replication in Infected Activated Peripheral Blood Mononuclear Cells. Antimicrobial Agents and Chemotherapy, 1998, 42, 1133-1138.	1.4	22
77	The Role of Different Regions of ATP-Binding Cassette Transporter A1 in Cholesterol Efflux. Biochemistry, 2007, 46, 9388-9398.	1.2	22
78	Nature, nurture and HIV: The effect of producer cell on viral physiology. Virology, 2013, 443, 208-213.	1.1	21
79	Interaction Between HIV-1 Nef and Calnexin. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 1758-1771.	1.1	21
80	HIV-1 Integrates Widely throughout the Genome of the Human Blood Fluke Schistosoma mansoni. PLoS Pathogens, 2016, 12, e1005931.	2.1	20
81	HIV disease, metabolic dysfunction and atherosclerosis: A three year prospective study. PLoS ONE, 2019, 14, e0215620.	1.1	20
82	Modification of lipid rafts by extracellular vesicles carrying HIV-1 protein Nef induces redistribution of amyloid precursor protein and Tau, causing neuronal dysfunction. Journal of Biological Chemistry, 2020, 295, 13377-13392.	1.6	20
83	SNFing HIV transcription. Retrovirology, 2006, 3, 49.	0.9	19
84	Liver X receptor agonist inhibits HIV-1 replication and prevents HIV-induced reduction of plasma HDL in humanized mouse model of HIV infection. Biochemical and Biophysical Research Communications, 2012, 419, 95-98.	1.0	19
85	CBF-1 Promotes the Establishment and Maintenance of HIV Latency by Recruiting Polycomb Repressive Complexes, PRC1 and PRC2, at HIV LTR. Viruses, 2020, 12, 1040.	1.5	19
86	HIV and Cardiovascular Disease: Contribution of HIV-Infected Macrophages to Development of Atherosclerosis. PLoS Medicine, 2007, 4, e43.	3.9	18
87	The level of CD147 expression correlates with cyclophilin-induced signalling and chemotaxis. BMC Research Notes, 2011, 4, 396.	0.6	18
88	Heat-Shock Proteins Reverse the G2Arrest Caused by HIV-1 Viral Protein R. DNA and Cell Biology, 2004, 23, 223-225.	0.9	17
89	HIV-1 Viral Protein R (VPR) and its Interactions with Host Cell. Current HIV Research, 2009, 7, 178-183.	0.2	17
90	Targeting Extracellular Cyclophilins Ameliorates Disease Progression in Experimental Biliary Atresia. Molecular Medicine, 2015, 21, 657-664.	1.9	16

#	Article	IF	Citations
91	Lipid metabolism in patients infected with Nef-deficient HIV-1 strain. Atherosclerosis, 2016, 244, 22-28.	0.4	16
92	Inhibition of HIV-1 nuclear import via schiff base formation with arylene bis(methylketone) compounds. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 3117-3119.	1.0	15
93	How to engage Cofilin. Retrovirology, 2008, 5, 85.	0.9	14
94	Stimulation of Liver X Receptor Has Potent Anti-HIV Effects in a Humanized Mouse Model of HIV Infection. Journal of Pharmacology and Experimental Therapeutics, 2015, 354, 376-383.	1.3	14
95	DNA dependent protein kinase (DNA-PK) enhances HIV transcription by promoting RNA polymerase II activity and recruitment of transcription machinery at HIV LTR. Oncotarget, 2020, 11, 699-726.	0.8	14
96	New Clues to Understanding HIV Nonprogressors: Low Cholesterol Blocks HIV Trans Infection. MBio, 2014, 5, e01396-14.	1.8	13
97	HIV-1 Infection of Macrophages Induces Retention of Cholesterol Transporter ABCA1 in the Endoplasmic Reticulum. AIDS Research and Human Retroviruses, 2014, 30, 947-948.	0.5	13
98	Interactions of HIVâ€1 Viral Protein R with Host Cell Proteins. Advances in Pharmacology, 2007, 55, 233-260.	1.2	11
99	HDL activates expression of genes stimulating cholesterol efflux in human monocyte-derived macrophages. Experimental and Molecular Pathology, 2018, 105, 202-207.	0.9	11
100	Cholesterol Efflux-Independent Modification of Lipid Rafts by AIBP (Apolipoprotein A-I Binding) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	1.1	11
101	HIV-1 Replication through hHR23A-Mediated Interaction of Vpr with 26S Proteasome. PLoS ONE, 2010, 5, e11371.	1.1	10
102	Functional analysis of Leishmania major cyclophilin. International Journal for Parasitology, 2008, 38, 633-639.	1.3	9
103	Inhibition of Extracellular Cyclophilins with Cyclosporine Analog and Development of Atherosclerosis in Apolipoprotein Eâ€"Deficient Mice. Journal of Pharmacology and Experimental Therapeutics, 2015, 353, 490-495.	1.3	9
104	Î²-Chemokine production in CD40L-stimulated monocyte-derived macrophages requires activation of MAPK signaling pathways. Cytokine, 2003, 23, 53-63.	1.4	8
105	Nuclear translocation as a novel target for anti-HIV drugs. Expert Review of Anti-Infective Therapy, 2005, 3, 41-50.	2.0	8
106	Short Communication: Accumulation of Neutral Lipids in Liver and Aorta of Nef-Transgenic Mice. AIDS Research and Human Retroviruses, 2017, 33, 57-60.	0.5	8
107	Fingolimod inhibits multiple stages of the HIV-1 life cycle. PLoS Pathogens, 2020, 16, e1008679.	2.1	8
108	Small molecule inhibitor of HIV-1 nuclear import suppresses HIV-1 replication in human lymphoid tissue ex vivo: a potential addition to current anti-HIV drug repertoire. Antiviral Research, 2000, 47, 89-95.	1.9	7

#	Article	IF	Citations
109	Modelling interaction between HIV-1 Nef and calnexin. Aids, 2018, 32, 2103-2111.	1.0	7
110	Listeria monocytogenes hijacks CD147 to ensure proper membrane protrusion formation and efficient bacterial dissemination. Cellular and Molecular Life Sciences, 2019, 76, 4165-4178.	2.4	7
111	Abundance of Nef and p-Tau217 in Brains of Individuals Diagnosed with HIV-Associated Neurocognitive Disorders Correlate with Disease Severance. Molecular Neurobiology, 2022, 59, 1088-1097.	1.9	7
112	Other approaches. Nature, 1995, 375, 195-196.	13.7	6
113	Antiretroviral compounds and cholesterol efflux from macrophages. Atherosclerosis, 2009, 206, 439-443.	0.4	6
114	Association of a 3â€² untranslated region polymorphism in proprotein convertase subtilisin/kexin type 9 with HIV viral load and CD4+ levels in HIV/hepatitis C virus coinfected women. Aids, 2017, 31, 2483-2492.	1.0	6
115	Atherosclerosis in subjects newly diagnosed with human immunodeficiency virus infection. Bioscience Reports, 2018, 38, .	1.1	6
116	Trained Immunity and HIV Infection. Frontiers in Immunology, 0, 13, .	2.2	6
117	Direct interaction between ABCA1 and HIV-1 Nef: Molecular modeling and virtual screening for inhibitors. Computational and Structural Biotechnology Journal, 2021, 19, 3876-3884.	1.9	5
118	Analysis of ABCA1 and Cholesterol Efflux in HIV-Infected Cells. Methods in Molecular Biology, 2016, 1354, 281-292.	0.4	5
119	The ABCA1 domain responsible for interaction with HIV-1 Nef is conformational and not linear. Biochemical and Biophysical Research Communications, 2014, 444, 19-23.	1.0	4
120	Cyclophilins in Atherosclerosis: A New Therapeutic Target?. Current Pharmaceutical Design, 2013, 19, 5904-5908.	0.9	4
121	Cellular minichromosome maintenance complex component 5 (MCM5) is incorporated into HIV-1 virions and modulates viral replication in the newly infected cells. Virology, 2016, 497, 11-22.	1.1	3
122	Use of Primary Macrophages for Searching Novel Immunocorrectors. Current Pharmaceutical Design, 2017, 23, 915-920.	0.9	3
123	Unsung Hero Robert C. Gallo. Science, 2009, 323, 206-207.	6.0	2
124	Genes associated with cholesterol accumulation in macrophages (transcriptome analysis). Atherosclerosis, 2017, 263, e117.	0.4	2
125	Editorial On â€œExosomes, Their Biogenesis and Role in Inter-Cellular Communication, Tumor Microenvironment and Cancer Immunotherapyâ€• Vaccines, 2020, 8, 421.	2.1	2
126	Non-linear optical imaging of atherosclerotic plaques in the context of SIV and HIV infection prominently detects crystalline cholesterol esters. PLoS ONE, 2021, 16, e0251599.	1.1	2

#	Article	IF	Citations
127	Lipidomic dataset of plasma from patients infected with wild type and nef-deficient HIV-1 strain. Data in Brief, 2016, 6, 168-175.	0.5	1
128	Editorial: Lipids and Inflammation in Health and Disease. Frontiers in Cardiovascular Medicine, 2022, 9, 864429.	1.1	1
129	Jan van der Noordaa (1934â€“2015); A Virologist Pur Sang. Viruses, 2015, 7, 5016-5017.	1.5	0
130	Live Cell Imaging of ABCA1 Downregulation by HIV-1 Nef in an Experimental Model of HeLa ABCA1-GFP. AIDS Research and Human Retroviruses, 2016, 32, 872-873.	0.5	0
131	Migration of Jurkat cells in response to CypA. FASEB Journal, 2012, 26, 521.3.	0.2	0
132	Fingolimod inhibits multiple stages of the HIV-1 life cycle. , 2020, 16, e1008679.		0
133	Fingolimod inhibits multiple stages of the HIV-1 life cycle. , 2020, 16, e1008679.		0
134	Fingolimod inhibits multiple stages of the HIV-1 life cycle. , 2020, 16, e1008679.		0
135	Fingolimod inhibits multiple stages of the HIV-1 life cycle. , 2020, 16, e1008679.		0
136	Fingolimod inhibits multiple stages of the HIV-1 life cycle. , 2020, 16, e1008679.		0
137	Fingolimod inhibits multiple stages of the HIV-1 life cycle. , 2020, 16, e1008679.		0