

Marcus Kaul

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

3,672
citations

218677

26
h-index

233421

45
g-index

50
all docs

50
docs citations

50
times ranked

3687
citing authors

#	ARTICLE	IF	CITATIONS
1	Pathways to neuronal injury and apoptosis in HIV-associated dementia. <i>Nature</i> , 2001, 410, 988-994.	27.8	1,169
2	Balance between synaptic versus extrasynaptic NMDA receptor activity influences inclusions and neurotoxicity of mutant huntingtin. <i>Nature Medicine</i> , 2009, 15, 1407-1413.	30.7	381
3	Caspase Cascades in Human Immunodeficiency Virus-Associated Neurodegeneration. <i>Journal of Neuroscience</i> , 2002, 22, 4015-4024.	3.6	217
4	Mechanisms of Neuronal Injury and Death in HIV-1 Associated Dementia. <i>Current HIV Research</i> , 2006, 4, 307-318.	0.5	159
5	HIV/gp120 Decreases Adult Neural Progenitor Cell Proliferation via Checkpoint Kinase-Mediated Cell-Cycle Withdrawal and G1 Arrest. <i>Cell Stem Cell</i> , 2007, 1, 230-236.	11.1	125
6	Molecular mechanisms of neuroinvasion by monocytes-macrophages in HIV-1 infection. <i>Retrovirology</i> , 2010, 7, 30.	2.0	118
7	Modulation of glucocorticoid receptor nuclear translocation in neurons by immunophilins FKBP51 and FKBP52: Implications for major depressive disorder. <i>Brain Research</i> , 2009, 1286, 1-12.	2.2	117
8	Cellular protection using Flt3 and PI3K inhibitors demonstrates multiple mechanisms of oxidative glutamate toxicity. <i>Nature Communications</i> , 2014, 5, 3672.	12.8	106
9	Mechanisms of Neuroimmunity and Neurodegeneration Associated with HIV-1 Infection and AIDS. <i>Journal of NeuroImmune Pharmacology</i> , 2006, 1, 138-151.	4.1	101
10	HIV-1 associated dementia: update on pathological mechanisms and therapeutic approaches. <i>Current Opinion in Neurology</i> , 2009, 22, 315-320.	3.6	90
11	Chemokines in cerebrospinal fluid correlate with cerebral metabolite patterns in HIV-infected individuals. <i>Journal of NeuroVirology</i> , 2011, 17, 63-69.	2.1	79
12	Activation of p38 MAPK Is Required in Monocytic and Neuronal Cells for HIV Glycoprotein 120-Induced Neurotoxicity. <i>Journal of Immunology</i> , 2010, 185, 4883-4895.	0.8	75
13	HIV's double strike at the brain: neuronal toxicity and compromised neurogenesis. <i>Frontiers in Bioscience - Landmark</i> , 2008, 13, 2484.	3.0	75
14	CCR5 Knockout Prevents Neuronal Injury and Behavioral Impairment Induced in a Transgenic Mouse Model by a CXCR4-Using HIV-1 Glycoprotein 120. <i>Journal of Immunology</i> , 2014, 193, 1895-1910.	0.8	70
15	Human Immunodeficiency Virus-1/Surface Glycoprotein 120 Induces Apoptosis through RNA-Activated Protein Kinase Signaling in Neurons. <i>Journal of Neuroscience</i> , 2007, 27, 11047-11055.	3.6	62
16	Erythropoietin plus insulin-like growth factor protects against neuronal damage in a murine model of human immunodeficiency virus-associated neurocognitive disorders. <i>Annals of Neurology</i> , 2010, 68, 342-352.	5.3	54
17	The Long Noncoding RNA <i>HEAL</i> Regulates HIV-1 Replication through Epigenetic Regulation of the HIV-1 Promoter. <i>MBio</i> , 2019, 10, .	4.1	49
18	Combination of methamphetamine and HIV-1 gp120 causes distinct long-term alterations of behavior, gene expression, and injury in the central nervous system. <i>Experimental Neurology</i> , 2015, 263, 221-234.	4.1	47

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19	Transgenic mice expressing HIV-1 envelope protein gp120 in the brain as an animal model in neuroAIDS research. <i>Journal of NeuroVirology</i> , 2018, 24, 156-167.	2.1	45
20	Antiretrovirals, Methamphetamine, and HIV-1 Envelope Protein gp120 Compromise Neuronal Energy Homeostasis in Association with Various Degrees of Synaptic and Neuritic Damage. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 168-179.	3.2	44
21	Beneficial and Adverse Effects of cART Affect Neurocognitive Function in HIV-1 Infection: Balancing Viral Suppression against Neuronal Stress and Injury. <i>Journal of NeuroImmune Pharmacology</i> , 2021, 16, 90-112.	4.1	44
22	Cognitive deficits associated with combined HIV gp120 expression and chronic methamphetamine exposure in mice. <i>European Neuropsychopharmacology</i> , 2015, 25, 141-150.	0.7	37
23	IFN γ Protects Neurons from Damage in a Murine Model of HIV-1 Associated Brain Injury. <i>Scientific Reports</i> , 2017, 7, 46514.	3.3	37
24	Neuronal Stress and Injury Caused by HIV-1, cART and Drug Abuse: Converging Contributions to HAND. <i>Brain Sciences</i> , 2017, 7, 25.	2.3	35
25	Experimental and potential future therapeutic approaches for HIV-1 associated dementia targeting receptors for chemokines, glutamate and erythropoietin. <i>Neurotoxicity Research</i> , 2005, 8, 167-186.	2.7	32
26	CXCL12-induced neurotoxicity critically depends on NMDA receptor-gated and l-type Ca ²⁺ channels upstream of p38 MAPK. <i>Journal of Neuroinflammation</i> , 2016, 13, 252.	7.2	30
27	Innate Immune Sensing of Viruses and Its Consequences for the Central Nervous System. <i>Viruses</i> , 2021, 13, 170.	3.3	28
28	Alteration of Methamphetamine-induced stereotypic behaviour in transgenic mice expressing HIV-1 envelope protein gp120. <i>Journal of Neuroscience Methods</i> , 2010, 186, 222-225.	2.5	25
29	Mitogen-Activated Protein Kinase p38 in HIV Infection and Associated Brain Injury. <i>Journal of NeuroImmune Pharmacology</i> , 2011, 6, 202-215.	4.1	25
30	Genetic Knockouts Suggest a Critical Role for HIV Co-Receptors in Models of HIV gp120-Induced Brain Injury. <i>Journal of NeuroImmune Pharmacology</i> , 2012, 7, 306-318.	4.1	24
31	Methamphetamine and Cannabis: A Tale of Two Drugs and their Effects on HIV, Brain, and Behavior. <i>Journal of NeuroImmune Pharmacology</i> , 2020, 15, 743-764.	4.1	22
32	Lipocalin-2 mediates HIV-1 induced neuronal injury and behavioral deficits by overriding CCR5-dependent protection. <i>Brain, Behavior, and Immunity</i> , 2020, 89, 184-199.	4.1	19
33	Comprehensive review of lipocalin 2-mediated effects in lung inflammation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L726-L733.	2.9	19
34	Neuronal Apoptotic Signaling Pathways Probed and Intervened by Synthetically and Modularly Modified (SMM) Chemokines. <i>Journal of Biological Chemistry</i> , 2007, 282, 7154-7163.	3.4	17
35	Type I Interferons in NeuroHIV. <i>Viral Immunology</i> , 2019, 32, 7-14.	1.3	17
36	Signaling pathways to neuronal damage and apoptosis in human immunodeficiency virus type 1-associated dementia: Chemokine receptors, excitotoxicity, and beyond. <i>Journal of NeuroVirology</i> , 2004, 10, 97-101.	2.1	14

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37	Interferon-stimulated gene 15 as a general marker for acute and chronic neuronal injuries. <i>Acta Physiologica Sinica</i> , 2012, 64, 577-83.	0.5	13
38	The 23rd Scientific Conference of the Society on Neuroimmune Pharmacology. <i>Journal of Neuroimmune Pharmacology</i> , 2017, 12, 1-2.	4.1	11
39	A pivotal role for Interferon- γ receptor-1 in neuronal injury induced by HIV-1. <i>Journal of Neuroinflammation</i> , 2020, 17, 226.	7.2	10
40	Systems Biology Analysis of the Antagonizing Effects of HIV-1 Tat Expression in the Brain over Transcriptional Changes Caused by Methamphetamine Sensitization. <i>Viruses</i> , 2020, 12, 426.	3.3	7
41	HIV Protein Tat Induces Macrophage Dysfunction and Atherosclerosis Development in Low-Density Lipoprotein Receptor-Deficient Mice. <i>Cardiovascular Drugs and Therapy</i> , 2022, 36, 201-215.	2.6	7
42	Arachidonic Acid Cascade and Eicosanoid Production Are Elevated While LTC ₄ Synthase Modulates the Lipidomics Profile in the Brain of the HIVgp120-Transgenic Mouse Model of NeuroHIV. <i>Cells</i> , 2022, 11, 2123.	4.1	6
43	Transcriptomic and Genetic Profiling of HIV-Associated Neurocognitive Disorders. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 721954.	3.5	4
44	The 22nd Scientific Conference of the Society on Neuroimmune Pharmacology. <i>Journal of Neuroimmune Pharmacology</i> , 2016, 11, 1-2.	4.1	2
45	Neuroinflammation and Excitotoxicity in Neurobiology of HIV-1 Infection and AIDS: Targets for Neuroprotection. , 2007, , 281-308.		2
46	HIV-1 gp120 Impairs Spatial Memory Through Cyclic AMP Response Element-Binding Protein. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, .	3.4	2
47	Molecular Neurology of HIV-1 Infection and AIDS. , 2007, , 553-571.		0
48	HIV-1 gp120. , 2011, , 305-317.		0