

Charles F Mactutus

List of Publications by Year in descending order

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46
papers

1,124
citations

430874

18
h-index

434195

31
g-index

53
all docs

53
docs citations

53
times ranked

524
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurotoxic profiles of HIV, psychostimulant drugs of abuse, and their concerted effect on the brain: Current status of dopamine system vulnerability in NeuroAIDS. <i>Neuroscience and Biobehavioral Reviews</i> , 2008, 32, 883-909.	6.1	127
2	HIV-1 Tat Protein-Induced Rapid and Reversible Decrease in [3H]Dopamine Uptake: Dissociation of [3H]Dopamine Uptake and [3H]2Î²-Carbomethoxy-3-Î²-(4-fluorophenyl)tropane (WIN 35,428) Binding in Rat Striatal Synaptosomes. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 329, 1071-1083.	2.5	84
3	HIV-1 Tat neurotoxicity in primary cultures of rat midbrain fetal neurons: Changes in dopamine transporter binding and immunoreactivity. <i>Neuroscience Letters</i> , 2006, 395, 235-239.	2.1	64
4	HIV-1 Transgenic Female Rat: Synaptodendritic Alterations of Medium Spiny Neurons in the Nucleus Accumbens. <i>Journal of NeuroImmune Pharmacology</i> , 2014, 9, 642-653.	4.1	57
5	Time and Time Again: Temporal Processing Demands Implicate Perceptual and Gating Deficits in the HIV-1 Transgenic Rat. <i>Journal of NeuroImmune Pharmacology</i> , 2013, 8, 988-997.	4.1	52
6	Synaptodendritic recovery following HIV-1 Tat exposure: Neurorestoration by phytoestrogens. <i>Journal of Neurochemistry</i> , 2014, 128, 140-151.	3.9	46
7	Evolution of the HIV-1 transgenic rat: utility in assessing the progression of HIV-1-associated neurocognitive disorders. <i>Journal of NeuroVirology</i> , 2018, 24, 229-245.	2.1	44
8	Disruption of Timing: NeuroHIV Progression in the Post-cART Era. <i>Scientific Reports</i> , 2019, 9, 827.	3.3	44
9	Modeling Deficits in Attention, Inhibition, and Flexibility in HAND. <i>Journal of NeuroImmune Pharmacology</i> , 2014, 9, 508-521.	4.1	39
10	HIV-1 proteins dysregulate motivational processes and dopamine circuitry. <i>Scientific Reports</i> , 2018, 8, 7869.	3.3	37
11	Progression of temporal processing deficits in the HIV-1 transgenic rat. <i>Scientific Reports</i> , 2016, 6, 32831.	3.3	32
12	HIV-1 Proteins, Tat and gp120, Target the Developing Dopamine System. <i>Current HIV Research</i> , 2015, 13, 21-42.	0.5	31
13	Dopaminergic marker proteins in the substantia nigra of human immunodeficiency virus type 1 "infected brains. <i>Journal of NeuroVirology</i> , 2006, 12, 140-145.	2.1	30
14	HIV-1 and cocaine disrupt dopamine reuptake and medium spiny neurons in female rat striatum. <i>PLoS ONE</i> , 2017, 12, e0188404.	2.5	29
15	Sex Matters: Robust Sex Differences in Signal Detection in the HIV-1 Transgenic Rat. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 212.	2.0	25
16	Synaptic Connectivity in Medium Spiny Neurons of the Nucleus Accumbens: A Sex-Dependent Mechanism Underlying Apathy in the HIV-1 Transgenic Rat. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 285.	2.0	25
17	Selective monoaminergic and histaminergic circuit dysregulation following long-term HIV-1 protein exposure. <i>Journal of NeuroVirology</i> , 2019, 25, 540-550.	2.1	25
18	Neonatal intrahippocampal HIV-1 protein Tat injection: neurobehavioral alterations in the absence of increased inflammatory cytokine activation. <i>International Journal of Developmental Neuroscience</i> , 2014, 38, 195-203.	1.6	20

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19	HIV-1 Tat and cocaine mediated synaptopathy in cortical and midbrain neurons is prevented by the isoflavone Equol. <i>Frontiers in Microbiology</i> , 2015, 6, 894.	3.5	20
20	HIV Infection and Neurocognitive Disorders in the Context of Chronic Drug Abuse: Evidence for Divergent Findings Dependent upon Prior Drug History. <i>Journal of NeuroImmune Pharmacology</i> , 2020, 15, 715-728.	4.1	20
21	Temporal processing demands in the HIV-1 transgenic rat: Amodal gating and implications for diagnostics. <i>International Journal of Developmental Neuroscience</i> , 2017, 57, 12-20.	1.6	19
22	Microglial HIV-1 Expression: Role in HIV-1 Associated Neurocognitive Disorders. <i>Viruses</i> , 2021, 13, 924.	3.3	19
23	A Gap in Time: Extending our Knowledge of Temporal Processing Deficits in the HIV-1 Transgenic Rat. <i>Journal of NeuroImmune Pharmacology</i> , 2017, 12, 171-179.	4.1	18
24	Unraveling Individual Differences In The HIV-1 Transgenic Rat: Therapeutic Efficacy Of Methylphenidate. <i>Scientific Reports</i> , 2018, 8, 136.	3.3	18
25	HIV-Associated Apathy/Depression and Neurocognitive Impairments Reflect Persistent Dopamine Deficits. <i>Cells</i> , 2021, 10, 2158.	4.1	18
26	Neurorestoration of Sustained Attention in a Model of HIV-1 Associated Neurocognitive Disorders. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 169.	2.0	17
27	Selective developmental alterations in The HIV-1 transgenic rat: Opportunities for diagnosis of pediatric HIV-1. <i>Journal of NeuroVirology</i> , 2017, 23, 87-98.	2.1	15
28	Diagnostic and prognostic biomarkers for HAND. <i>Journal of NeuroVirology</i> , 2019, 25, 686-701.	2.1	15
29	Selective Estrogen Receptor β Agonists: a Therapeutic Approach for HIV-1 Associated Neurocognitive Disorders. <i>Journal of NeuroImmune Pharmacology</i> , 2020, 15, 264-279.	4.1	14
30	Ballistic Labeling of Pyramidal Neurons in Brain Slices and in Primary Cell Culture. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	13
31	S-Equol mitigates motivational deficits and dysregulation associated with HIV-1. <i>Scientific Reports</i> , 2021, 11, 11870.	3.3	11
32	The role of sensory modality in prepulse inhibition: An ontogenetic study. <i>Developmental Psychobiology</i> , 2016, 58, 211-222.	1.6	9
33	Identification of Dopamine D1-Alpha Receptor Within Rodent Nucleus Accumbens by an Innovative RNA β -In Situ Detection Technology. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	9
34	Polytocus focus: Uterine position effect is dependent upon horn size. <i>International Journal of Developmental Neuroscience</i> , 2015, 40, 85-91.	1.6	8
35	An Empirical Mediation Analysis of Mechanisms Underlying HIV-1-Associated Neurocognitive Disorders. <i>Brain Research</i> , 2019, 1724, 146436.	2.2	8
36	Posterior ventral tegmental area-nucleus accumbens shell circuitry modulates response to novelty. <i>PLoS ONE</i> , 2019, 14, e0213088.	2.5	8

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37	S-EQUOL: a neuroprotective therapeutic for chronic neurocognitive impairments in pediatric HIV. <i>Journal of NeuroVirology</i> , 2020, 26, 704-718.	2.1	7
38	Prenatal IV Cocaine: Alterations in Auditory Information Processing. <i>Frontiers in Psychiatry</i> , 2011, 2, 38.	2.6	6
39	Quantification of Filamentous Actin (F-actin) Puncta in Rat Cortical Neurons. <i>Journal of Visualized Experiments</i> , 2016, , e53697.	0.3	6
40	The Power of Interstimulus Interval for the Assessment of Temporal Processing in Rodents. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	6
41	A Rat Model of EcoHIV Brain Infection. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	6
42	Dose-dependent neurocognitive deficits following postnatal day 10 HIV-1 viral protein exposure: Relationship to hippocampal anatomy parameters. <i>International Journal of Developmental Neuroscience</i> , 2018, 65, 66-82.	1.6	5
43	Chronic SSRI treatment reverses HIV-1 protein-mediated synaptodendritic damage. <i>Journal of NeuroVirology</i> , 2021, 27, 403-421.	2.1	5
44	Neurodevelopmental Processes in the Prefrontal Cortex Derailed by Chronic HIV-1 Viral Protein Exposure. <i>Cells</i> , 2021, 10, 3037.	4.1	5
45	A Hydrophobic Tissue Clearing Method for Rat Brain Tissue. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	2
46	Intraneuronal β -Amyloid Accumulation: Aging HIV-1 Human and HIV-1 Transgenic Rat Brain. <i>Viruses</i> , 2022, 14, 1268.	3.3	2