Nazira El-Hage

List of Publications by Year
in descending order

62 papers	2,805 citations	159525 30 h-index	182361 51 g-index
66 all docs	66 docs citations	66 times ranked	3166 citing authors

#	Article	IF	Citations
1	Different Roles of Beclin1 in the Interaction Between Glia and Neurons after Exposure to Morphine and the HIV- Trans-Activator of Transcription (Tat) Protein. Journal of NeuroImmune Pharmacology, 2022, 17, 470-486.	2.1	4
2	Retroviral infection of human neurospheres and use of stem Cell EVs to repair cellular damage. Scientific Reports, 2022, 12, 2019.	1.6	6
3	Targeting Beclin1 as an Adjunctive Therapy against HIV Using Mannosylated Polyethylenimine Nanoparticles. Pharmaceutics, 2021, 13, 223.	2.0	5
4	Extracellular vesicles from HTLV-1 infected cells modulate target cells and viral spread. Retrovirology, 2021, 18, 6.	0.9	20
5	Stem Cell Extracellular Vesicles and their Potential to Contribute to the Repair of Damaged CNS Cells. Journal of NeuroImmune Pharmacology, 2020, 15, 520-537.	2.1	24
6	Impact of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) in the Nervous System: Implications of COVID-19 in Neurodegeneration. Frontiers in Neurology, 2020, 11, 583459.	1.1	18
7	Extracellular Vesicles in HIV, Drug Abuse, and Drug Delivery. Journal of NeuroImmune Pharmacology, 2020, 15, 387-389.	2.1	7
8	Genetically modified macrophages accomplish targeted gene delivery to the inflamed brain in transgenic Parkin Q311X(A) mice: importance of administration routes. Scientific Reports, 2020, 10, 11818.	1.6	12
9	Use of Stem Cell Extracellular Vesicles as a â€œHolisticâ€•Approach to CNS Repair. Frontiers in Cell and Developmental Biology, 2020, 8, 455.	1.8	24
10	Reduced-Beclin1-Expressing Mice Infected with Zika-R103451 and Viral-Associated Pathology during Pregnancy. Viruses, 2020, 12, 608.	1.5	7
11	Comparative Cytotoxicity of Inorganic Arsenite and Methylarsenite in Human Brain Cells. ACS Chemical Neuroscience, 2020, 11, 743-751.	1.7	16
12	GDNF-expressing macrophages restore motor functions at a severe late-stage, and produce long-term neuroprotective effects at an early-stage of Parkinsonâ€™s disease in transgenic Parkin Q311X(A) mice. Journal of Controlled Release, 2019, 315, 139-149.	4.8	25
13	MRI-Guided, Noninvasive Delivery of Magneto-Electric Drug Nanocarriers to the Brain in a Nonhuman Primate. ACS Applied Bio Materials, 2019, 2, 4826-4836.	2.3	30
14	Purification of High Yield Extracellular Vesicle Preparations Away from Virus. Journal of Visualized Experiments, 2019, , .	0.2	11
15	Selective Disruption of the Bloodâ€“Brain Barrier by Zika Virus. Frontiers in Microbiology, 2019, 10, 2158.	1.5	56
16	Toll-like receptor 3 regulates Zika virus infection and associated host inflammatory response in primary human astrocytes. PLoS ONE, 2019, 14, e0208543.	1.1	52
17	Morphine counteracts the antiviral effect of antiretroviral drugs and causes upregulation of p62/SQSTM1 and histone-modifying enzymes in HIV-infected astrocytes. Journal of NeuroVirology, 2019, 25, 263-274.	1.0	20
18	Autophagy, EVs, and Infections: A Perfect Question for a Perfect Time. Frontiers in Cellular and Infection Microbiology, 2018, 8, 362.	1.8	53

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19	Complementary Mechanisms Potentially Involved in the Pathology of Zika Virus. Frontiers in Immunology, 2018, 9, 2340.	2.2	24
20	Signaling pathways and therapeutic perspectives related to environmental factors associated with multiple sclerosis. Journal of Neuroscience Research, 2018, 96, 1831-1846.	1.3	8
21	Antiretroviral Drugs Alter the Content of Extracellular Vesicles from HIV-1-Infected Cells. Scientific Reports, 2018, 8, 7653.	1.6	58
22	Critical Role of Beclin1 in HIV Tat and Morphine-Induced Inflammation and Calcium Release in Glial Cells from Autophagy Deficient Mouse. Journal of NeuroImmune Pharmacology, 2018, 13, 355-370.	2.1	20
23	Electro-Magnetic Nano-Particle Bound Beclin1 siRNA Crosses the Bloodâ€“Brain Barrier to Attenuate the Inflammatory Effects of HIV-1 Infection in Vitro. Journal of NeuroImmune Pharmacology, 2017, 12, 120-132.	2.1	39
24	Biodegradable Nanoparticles for Delivery of Therapeutics in CNS Infection. Journal of NeuroImmune Pharmacology, 2017, 12, 31-50.	2.1	33
25	Overview on the Current Status of Zika Virus Pathogenesis and Animal Related Research. Journal of NeuroImmune Pharmacology, 2017, 12, 371-388.	2.1	18
26	Intranasal drug delivery of small interfering RNA targeting Beclin1 encapsulated with polyethylenimine (PEI) in mouse brain to achieve HIV attenuation. Scientific Reports, 2017, 7, 1862.	1.6	78
27	Electrochemical Biosensors for Early Stage Zika Diagnostics. Trends in Biotechnology, 2017, 35, 308-317.	4.9	77
28	Interplay between Autophagy, Exosomes and HIV-1 Associated Neurological Disorders: New Insights for Diagnosis and Therapeutic Applications. Viruses, 2017, 9, 176.	1.5	45
29	Importance of Autophagy in Mediating Human Immunodeficiency Virus (HIV) and Morphine-Induced Metabolic Dysfunction and Inflammation in Human Astrocytes. Viruses, 2017, 9, 201.	1.5	29
30	HIV-1 Transcription Inhibitors Increase the Synthesis of Viral Non-Coding RNA that Contribute to Latency. Current Pharmaceutical Design, 2017, 23, 4133-4144.	0.9	7
31	Mammalian microRNA: an important modulator of host-pathogen interactions in human viral infections. Journal of Biomedical Science, 2016, 23, 74.	2.6	32
32	Î²-Adrenergic receptor gene expression in HIV-associated neurocognitive impairment and encephalitis: implications for MOR-1K subcellular localization. Journal of NeuroVirology, 2016, 22, 866-870.	1.0	5
33	Exploration of bivalent ligands targeting putative mu opioid receptor and chemokine receptor CCR5 dimerization. Bioorganic and Medicinal Chemistry, 2016, 24, 5969-5987.	1.4	31
34	Magnetically guided central nervous system delivery and toxicity evaluation of magneto-electric nanocarriers. Scientific Reports, 2016, 6, 25309.	1.6	92
35	Exosomes from HIV-1-infected Cells Stimulate Production of Pro-inflammatory Cytokines through Trans-activating Response (TAR) RNA. Journal of Biological Chemistry, 2016, 291, 1251-1266.	1.6	165
36	Opiate Addiction Therapies and HIV-1 Tat: Interactive Effects on Glial [Ca²⁺]_i, Oxyradical and Neuroinflammatory Chemokine Production and Correlative Neurotoxicity. Current HIV Research, 2015, 12, 424-434.	0.2	23

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37	HIV-1 gp120 and morphine induced oxidative stress: role in cell cycle regulation. Frontiers in Microbiology, 2015, 6, 614.	1.5	32
38	Differing roles of autophagy in HIV-associated neurocognitive impairment and encephalitis with implications for morphine co-exposure. Frontiers in Microbiology, 2015, 6, 653.	1.5	33
39	GSK3Î²-activation is a point of convergence for HIV-1 and opiate-mediated interactive neurotoxicity. Molecular and Cellular Neurosciences, 2015, 65, 11-20.	1.0	18
40	Fluorescently-labeled RNA packaging into HIV-1 particles: Direct examination of infectivity across central nervous system cell types. Journal of Virological Methods, 2015, 224, 20-29.	1.0	6
41	HIV-1 and Morphine Regulation of Autophagy in Microglia: Limited Interactions in the Context of HIV-1 Infection and Opioid Abuse. Journal of Virology, 2015, 89, 1024-1035.	1.5	74
42	Effects of HIV-1 Tat on Enteric Neuropathogenesis. Journal of Neuroscience, 2014, 34, 14243-14251.	1.7	33
43	Differential expression of the alternatively spliced OPRM1 isoform Î¼-opioid receptor-1K in HIV-infected individuals. Aids, 2014, 28, 19-30.	1.0	26
44	Ibudilast (AV411), and its AV1013 analog, reduce HIV-1 replication and neuronal death induced by HIV-1 and morphine. Aids, 2014, 28, 1409-1419.	1.0	13
45	Morphine Enhances HIV-1SF162-Mediated Neuron Death and Delays Recovery of Injured Neurites. PLoS ONE, 2014, 9, e100196.	1.1	15
46	A novel bivalent HIV-1 entry inhibitor reveals fundamental differences in CCR5-Î¼-opioid receptor interactions between human astroglia and microglia. Aids, 2013, 27, 2181-2190.	1.0	31
47	Morphine potentiates neurodegenerative effects of HIV-1 Tat through actions at Â-opioid receptor-expressing glia. Brain, 2011, 134, 3616-3631.	3.7	93
48	HIV-1 Coinfection and Morphine Coexposure Severely Dysregulate Hepatitis C Virus-Induced Hepatic Proinflammatory Cytokine Release and Free Radical Production: Increased Pathogenesis Coincides with Uncoordinated Host Defenses. Journal of Virology, 2011, 85, 11601-11614.	1.5	32
49	Toll-like Receptor Expression and Activation in Astroglia: Differential Regulation by HIV-1 Tat, gp120, and Morphine. Immunological Investigations, 2011, 40, 498-522.	1.0	80
50	Interactive Comorbidity between Opioid Drug Abuse and HIV-1 Tat. American Journal of Pathology, 2010, 177, 1397-1410.	1.9	133
51	CCL5/RANTES Gene Deletion Attenuates Opioid-Induced Increases in Glial CCL2/MCP-1 Immunoreactivity and Activation in HIV-1 Tat-Exposed Mice. Journal of NeuroImmune Pharmacology, 2008, 3, 275-285.	2.1	48
52	Morphine Exacerbates HIV-1 Tat-Induced Cytokine Production in Astrocytes through Convergent Effects on [Ca2+]i, NF-Î°B Trafficking and Transcription. PLoS ONE, 2008, 3, e4093.	1.1	105
53	HIV-1 neuropathogenesis: glial mechanisms revealed through substance abuse. Journal of Neurochemistry, 2007, 100, 567-586.	2.1	84
54	Silencing the PTEN gene is protective against neuronal death induced by human immunodeficiency virus type 1 Tat. Journal of NeuroVirology, 2007, 13, 97-106.	1.0	16

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55	Impact of Opiateâ€“HIV-1 Interactions on Neurotoxic Signaling. Journal of NeuroImmune Pharmacology, 2006, 1, 98-105.	2.1	52
56	CCR2 mediates increases in glial activation caused by exposure to HIV-1 Tat and opiates. Journal of Neuroimmunology, 2006, 178, 9-16.	1.1	50
57	HIV-1 Tat and opiate-induced changes in astrocytes promote chemotaxis of microglia through the expression of MCP-1 and alternative chemokines. Glia, 2006, 53, 132-146.	2.5	144
58	Synergistic increases in intracellular Ca2+, and the release of MCP-1, RANTES, and IL-6 by astrocytes treated with opiates and HIV-1 Tat. Glia, 2005, 50, 91-106.	2.5	204
59	Molecular targets of opiate drug abuse in neuro AIDS. Neurotoxicity Research, 2005, 8, 63-80.	1.3	78
60	Replication of hepatitis C virus RNA occurs in a membrane-bound replication complex containing nonstructural viral proteins and RNA. Journal of General Virology, 2003, 84, 2761-2769.	1.3	122
61	Simultaneous Coexpression of Borrelia burgdorferi Erp Proteins Occurs through a Specific, erp Locus-Directed Regulatory Mechanism. Journal of Bacteriology, 2002, 184, 4536-4543.	1.0	36
62	Surface exposure and protease insensitivity of Borrelia burgdorferi Erp (OspEF-related) lipoproteins. Microbiology (United Kingdom), 2001, 147, 821-830.	0.7	63