Jonathan D Geiger

List of Publications by Year
in descending order

68 papers	2,363 citations	293460 24 h-index	242451 47 g-index
68 all docs	68 docs citations	68 times ranked	2869 citing authors

#	Article	IF	Citations
1	HIV-1 gp120-Induced Endolysosome de-Acidification Leads to Efflux of Endolysosome Iron, and Increases in Mitochondrial Iron and Reactive Oxygen Species. Journal of NeuroImmune Pharmacology, 2022, 17, 181-194.	2.1	21
2	The impact of methodology on the reproducibility and rigor of DNA methylation data. Scientific Reports, 2022, 12, 380.	1.6	3
3	Heterogeneity of ferrous ironâ€containing endolysosomes and effects of endolysosome iron on endolysosome numbers, sizes, and localization patterns. Journal of Neurochemistry, 2022, 161, 69-83.	2.1	11
4	HIVâ€1 Tat endocytosis and retention in endolysosomes affects HIVâ€1 Tatâ€induced LTR transactivation in astrocytes. FASEB Journal, 2022, 36, e22184.	0.2	5
5	Endolysosome Iron Chelation Inhibits HIV-1 Protein-Induced Endolysosome De-Acidification-Induced Increases in Mitochondrial Fragmentation, Mitophagy, and Cell Death. Cells, 2022, 11, 1811.	1.8	5
6	Antiretroviral Drugs Promote Amyloidogenesis by De-Acidifying Endolysosomes. Journal of NeuroImmune Pharmacology, 2021, 16, 159-168.	2.1	19
7	Protease Inhibitors, Saquinavir and Darunavir, Inhibit Oligodendrocyte Maturation: Implications for Lysosomal Stress. Journal of NeuroImmune Pharmacology, 2021, 16, 169-180.	2.1	18
8	Overcoming Chemoresistance: Altering pH of Cellular Compartments by Chloroquine and Hydroxychloroquine. Frontiers in Cell and Developmental Biology, 2021, 9, 627639.	1.8	35
9	Lysosomal Stress Response (LSR): Physiological Importance and Pathological Relevance. Journal of NeuroImmune Pharmacology, 2021, 16, 219-237.	2.1	31
10	Role of endolysosome function in iron metabolism and brain carcinogenesis. Seminars in Cancer Biology, 2021, 76, 74-85.	4.3	21
11	Role of Viral Protein U (Vpu) in HIV-1 Infection and Pathogenesis. Viruses, 2021, 13, 1466.	1.5	13
12	Endolysosome iron restricts Tat-mediated HIV-1 LTR transactivation by increasing HIV-1 Tat oligomerization and Î²-catenin expression. Journal of NeuroVirology, 2021, 27, 755-773.	1.0	6
13	SARS-CoV-2 S1 Protein Induces Endolysosome Dysfunction and Neuritic Dystrophy. Frontiers in Cellular Neuroscience, 2021, 15, 777738.	1.8	7
14	A common approach for fighting tuberculosis and leprosy: controlling endoplasmic reticulum stress in myeloid-derived suppressor cells. Immunotherapy, 2021, 13, 1555-1563.	1.0	2
15	Possible Therapeutic Use of Natural Compounds Against COVID-19. Journal of Cellular Signaling, 2021, 2, 63-79.	0.5	11
16	Endolysosome Localization of ERÎ± Is Involved in the Protective Effect of 17Î±-Estradiol against HIV-1 gp120-Induced Neuronal Injury. Journal of Neuroscience, 2021, 41, 10365-10381.	1.7	4
17	Role of endolysosomes and inter-organellar signaling in brain disease. Neurobiology of Disease, 2020, 134, 104670.	2.1	18
18	Circulating levels of ATP is a biomarker of HIV cognitive impairment. EBioMedicine, 2020, 51, 102503.	2.7	38

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19	Possible Role of Adenosine in COVID-19 Pathogenesis and Therapeutic Opportunities. Frontiers in Pharmacology, 2020, 11, 594487.	1.6	26
20	Role of Endolysosomes in Severe Acute Respiratory Syndrome Coronavirus-2 Infection and Coronavirus Disease 2019 Pathogenesis: Implications for Potential Treatments. Frontiers in Pharmacology, 2020, 11, 595888.	1.6	44
21	Janus sword actions of chloroquine and hydroxychloroquine against COVID-19. Cellular Signalling, 2020, 73, 109706.	1.7	27
22	Bioenergetic adaptations to HIV infection. Could modulation of energy substrate utilization improve brain health in people living with HIV-1?. Experimental Neurology, 2020, 327, 113181.	2.0	6
23	Twoâ€pore channels regulate Tat endolysosome escape and Tatâ€mediated HIVâ€1 LTR transactivation. FASEB Journal, 2020, 34, 4147-4162.	0.2	33
24	Role of Divalent Cations in HIV-1 Replication and Pathogenicity. Viruses, 2020, 12, 471.	1.5	15
25	Readily Releasable Stores of Calcium in Neuronal Endolysosomes: Physiological and Pathophysiological Relevance. Advances in Experimental Medicine and Biology, 2020, 1131, 681-697.	0.8	9
26	Role of endolysosomes and pH in the pathogenesis and treatment of glioblastoma. Cancer Reports, 2019, 2, .	0.6	19
27	BK channels regulate extracellular Tat-mediated HIV-1 LTR transactivation. Scientific Reports, 2019, 9, 12285.	1.6	31
28	Involvement of organelles and inter-organellar signaling in the pathogenesis of HIV-1 associated neurocognitive disorder and Alzheimerâ€™s disease. Brain Research, 2019, 1722, 146389.	1.1	16
29	HIV-1 gp120 Promotes Lysosomal Exocytosis in Human Schwann Cells. Frontiers in Cellular Neuroscience, 2019, 13, 329.	1.8	27
30	Importance of measuring endolysosome, cytosolic, and extracellular pH in understanding the pathogenesis of and possible treatments for glioblastoma multiforme. Cancer Reports, 2019, 2, .	0.6	18
31	Acidifying Endolysosomes Prevented Low-Density Lipoprotein-Induced Amyloidogenesis. Journal of Alzheimer's Disease, 2019, 67, 393-410.	1.2	19
32	Effects of silica nanoparticles on endolysosome function in primary cultured neurons. Canadian Journal of Physiology and Pharmacology, 2019, 97, 297-305.	0.7	17
33	Morphine-Induced Modulation of Endolysosomal Iron Mediates Upregulation of Ferritin Heavy Chain in Cortical Neurons. ENeuro, 2019, 6, ENEURO.0237-19.2019.	0.9	20
34	Apolipoprotein E isoform dependently affects Tat-mediated HIV-1 LTR transactivation. Journal of Neuroinflammation, 2018, 15, 91.	3.1	13
35	Proteomic analysis of six- and twelve-month hippocampus and cerebellum in a murine Down syndrome model. Neurobiology of Aging, 2018, 63, 96-109.	1.5	14
36	Withaferin A Suppresses Beta Amyloid in APP Expressing Cells: Studies for Tat and Cocaine Associated Neurological Dysfunctions. Frontiers in Aging Neuroscience, 2018, 10, 291.	1.7	19

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37	Human Immunodeficiency Virus Transactivator of Transcriptionâ€“Induced Increases in Depression-like Effects Are Linked to Oxidative Stress. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2017, 2, 552-553.	1.1	0
38	The lipid raft-dwelling protein US9 can be manipulated to target APP compartmentalization, APP processing, and neurodegenerative disease pathogenesis. Scientific Reports, 2017, 7, 15103.	1.6	7
39	Caffeine Blocks HIV-1 Tat-Induced Amyloid Beta Production and Tau Phosphorylation. Journal of NeuroImmune Pharmacology, 2017, 12, 163-170.	2.1	18
40	Role of Endolysosomes in Skeletal Muscle Pathology Observed in a Cholesterol-Fed Rabbit Model of Alzheimerâ€™s Disease. Frontiers in Aging Neuroscience, 2016, 8, 129.	1.7	5
41	Release of calcium from endolysosomes increases calcium influx through N-type calcium channels: Evidence for acidic store-operated calcium entry in neurons. Cell Calcium, 2015, 58, 617-627.	1.1	30
42	Role of LDL Cholesterol and Endolysosomes in Amyloidogenesis and Alzheimerâ€™s Disease. Journal of Neurology & Neurophysiology, 2014, 05, .	0.1	17
43	Cholesterol-enriched diet disrupts the blood-testis barrier in rabbits. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E1125-E1130.	1.8	40
44	Ketogenic diet sensitizes glucose control of hippocampal excitability. Journal of Lipid Research, 2014, 55, 2254-2260.	2.0	45
45	Activation of TRPML1 Clears Intraneuronal AÎ² in Preclinical Models of HIV Infection. Journal of Neuroscience, 2014, 34, 11485-11503.	1.7	91
46	Role of endolysosomes and cholesterol in the pathogenesis of Alzheimer's disease: Insights into why statins might not provide clinical benefit. Austin Journal of Pharmacology and Therapeutics, 2014, 2, .	0.0	1
47	Amyloid beta accumulation in HIV-1 infected brain: the role of altered cholesterol homeostasis. Clinical Research in HIV/AIDS, 2014, 1, .	0.0	0
48	Endolysosome involvement in HIV-1 transactivator protein-induced neuronal amyloid beta production. Neurobiology of Aging, 2013, 34, 2370-2378.	1.5	60
49	Role of Endolysosomes in HIV-1 Tat-Induced Neurotoxicity. ASN Neuro, 2012, 4, AN20120017.	1.5	85
50	Endolysosome involvement in LDL cholesterol-induced Alzheimer's disease-like pathology in primary cultured neurons. Life Sciences, 2012, 91, 1159-1168.	2.0	46
51	Metabolomic Identification in Cerebrospinal Fluid of the Effects of High Dietary Cholesterol in a Rabbit Model of Alzheimer's Disease. Metabolomics: Open Access, 2012, 2, 109.	0.1	3
52	Endolysosome Mechanisms Associated with Alzheimer's Disease-like Pathology in Rabbits Ingesting Cholesterol-Enriched Diet. Journal of Alzheimer's Disease, 2011, 22, 1289-1303.	1.2	35
53	Cholesterolâ€enriched diet induces endosome/lysosome dysfunction in a rabbit model of inclusion body myositis. FASEB Journal, 2009, 23, LB135.	0.2	0
54	Rabbits fed cholesterol-enriched diets exhibit pathological features of inclusion body myositis. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R829-R835.	0.9	23

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55	Human immunodeficiency virus type-1 protein Tat induces tumor necrosis factor-Î±-mediated neurotoxicity. Neurobiology of Disease, 2007, 26, 661-670.	2.1	64
56	Stabilization of bloodâ€brain barrier by caffeine in cholesterolâ€fed rabbits. FASEB Journal, 2007, 21, A1168.	0.2	0
57	Effects of nitrobenzylthioinosine on adenosine levels and neuronal injury in rat forebrain ischemia. Neuroscience Research Communications, 2002, 30, 83-89.	0.2	10
58	Adenosine A2A receptor activation reduces proinflammatory events and decreases cell death following intracerebral hemorrhage. Annals of Neurology, 2001, 49, 727-735.	2.8	138
59	Synergistic neurotoxicity by human immunodeficiency virus proteins Tat and gp120: Protection by memantine. Annals of Neurology, 2000, 47, 186-194.	2.8	254
60	Dietary supplement creatine protects against traumatic brain injury. Annals of Neurology, 2000, 48, 723-729.	2.8	255
61	Synergistic neurotoxicity by human immunodeficiency virus proteins Tat and gp120: Protection by memantine. Annals of Neurology, 2000, 47, 186-194.	2.8	3
62	Dietary supplement creatine protects against traumatic brain injury. Annals of Neurology, 2000, 48, 723-729.	2.8	3
63	Expression of ryanodine receptors in human embryonic kidney (HEK293) cells. Biochemical Journal, 1998, 334, 79-86.	1.7	47
64	Caffeine Stimulates Amyloid Î²â€Peptide Release from Î²â€Amyloid Precursor Proteinâ€Transfected HEK293 Cells. Journal of Neurochemistry, 1997, 69, 1580-1591.	2.1	71
65	Antioxidants and Dipyridamole Inhibit HIV-1 gp120-Induced Free Radical-Based Oxidative Damage to Human Monocytoid Cells. Journal of Acquired Immune Deficiency Syndromes, 1997, 16, 223-229.	0.3	46
66	Interactions of the human immunodeficiency virus with astrocytes. Journal of Computer - Aided Molecular Design, 1996, 5, 30-42.	1.0	3
67	Human immunodeficiency virus type 1 tat activates non?N-methyl-D-aspartate excitatory amino acid receptors and causes neurotoxicity. Annals of Neurology, 1995, 37, 373-380.	2.8	286
68	HIV-1 coat protein gp120-induced increases in levels of intrasynaptosomal calcium. Brain Research, 1995, 678, 200-206.	1.1	36