

Jonathan D Geiger

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

66

papers

1,803

citations

20

h-index

41

g-index

68

ext. papers

2,056

ext. citations

5.2

avg, IF

4.95

L-index

#	Paper	IF	Citations
66	The impact of methodology on the reproducibility and rigor of DNA methylation data.. <i>Scientific Reports</i> , 2022 , 12, 380	4.9	2
65	Heterogeneity of ferrous iron-containing endolysosomes and effects of endolysosome iron on endolysosome numbers, sizes and localization patterns.. <i>Journal of Neurochemistry</i> , 2022 ,	6	2
64	HIV-1 Tat endocytosis and retention in endolysosomes affects HIV-1 Tat-induced LTR transactivation in astrocytes.. <i>FASEB Journal</i> , 2022 , 36, e22184	0.9	1
63	Endolysosome Iron Chelation Inhibits HIV-1 Protein-Induced Endolysosome De-Acidification-Induced Increases in Mitochondrial Fragmentation, Mitophagy, and Cell Death. <i>Cells</i> , 2022 , 11, 1811	7.9	0
62	A common approach for fighting tuberculosis and leprosy: controlling endoplasmic reticulum stress in myeloid-derived suppressor cells. <i>Immunotherapy</i> , 2021 , 13, 1555-1563	3.8	
61	Possible Therapeutic Use of Natural Compounds Against COVID-19. <i>Journal of Cellular Signaling</i> , 2021 , 2, 63-79	1	6
60	SARS-CoV-2 S1 Protein Induces Endolysosome Dysfunction and Neuritic Dystrophy. <i>Frontiers in Cellular Neuroscience</i> , 2021 , 15, 777738	6.1	1
59	Lysosomal Stress Response (LSR): Physiological Importance and Pathological Relevance. <i>Journal of NeuroImmune Pharmacology</i> , 2021 , 16, 219-237	6.9	5
58	HIV-1 gp120-Induced Endolysosome de-Acidification Leads to Efflux of Endolysosome Iron, and Increases in Mitochondrial Iron and Reactive Oxygen Species. <i>Journal of NeuroImmune Pharmacology</i> , 2021 , 1	6.9	9
57	Role of endolysosome function in iron metabolism and brain carcinogenesis. <i>Seminars in Cancer Biology</i> , 2021 , 76, 74-85	12.7	5
56	Antiretroviral Drugs Promote Amyloidogenesis by De-Acidifying Endolysosomes. <i>Journal of NeuroImmune Pharmacology</i> , 2021 , 16, 159-168	6.9	12
55	Protease Inhibitors, Saquinavir and Darunavir, Inhibit Oligodendrocyte Maturation: Implications for Lysosomal Stress. <i>Journal of NeuroImmune Pharmacology</i> , 2021 , 16, 169-180	6.9	6
54	Overcoming Chemoresistance: Altering pH of Cellular Compartments by Chloroquine and Hydroxychloroquine. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 627639	5.7	10
53	Role of Viral Protein U (Vpu) in HIV-1 Infection and Pathogenesis. <i>Viruses</i> , 2021 , 13,	6.2	2
52	Endolysosome iron restricts Tat-mediated HIV-1 LTR transactivation by increasing HIV-1 Tat oligomerization and Ectenin expression. <i>Journal of NeuroVirology</i> , 2021 , 27, 755-773	3.9	3
51	Janus sword actions of chloroquine and hydroxychloroquine against COVID-19. <i>Cellular Signalling</i> , 2020 , 73, 109706	4.9	13
50	Bioenergetic adaptations to HIV infection. Could modulation of energy substrate utilization improve brain health in people living with HIV-1?. <i>Experimental Neurology</i> , 2020 , 327, 113181	5.7	1

49	Two-pore channels regulate Tat endolysosome escape and Tat-mediated HIV-1 LTR transactivation. <i>FASEB Journal</i> , 2020 , 34, 4147-4162	0.9	28
48	Role of Divalent Cations in HIV-1 Replication and Pathogenicity. <i>Viruses</i> , 2020 , 12,	6.2	10
47	Readily Releasable Stores of Calcium in Neuronal Endolysosomes: Physiological and Pathophysiological Relevance. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1131, 681-697	3.6	5
46	Role of endolysosomes and inter-organellar signaling in brain disease. <i>Neurobiology of Disease</i> , 2020 , 134, 104670	7.5	10
45	Circulating levels of ATP is a biomarker of HIV cognitive impairment. <i>EBioMedicine</i> , 2020 , 51, 102503	8.8	18
44	Possible Role of Adenosine in COVID-19 Pathogenesis and Therapeutic Opportunities. <i>Frontiers in Pharmacology</i> , 2020 , 11, 594487	5.6	13
43	Role of Endolysosomes in Severe Acute Respiratory Syndrome Coronavirus-2 Infection and Coronavirus Disease 2019 Pathogenesis: Implications for Potential Treatments. <i>Frontiers in Pharmacology</i> , 2020 , 11, 595888	5.6	23
42	BK channels regulate extracellular Tat-mediated HIV-1 LTR transactivation. <i>Scientific Reports</i> , 2019 , 9, 12285	4.9	24
41	Involvement of organelles and inter-organellar signaling in the pathogenesis of HIV-1 associated neurocognitive disorder and Alzheimer's disease. <i>Brain Research</i> , 2019 , 1722, 146389	3.7	11
40	HIV-1 gp120 Promotes Lysosomal Exocytosis in Human Schwann Cells. <i>Frontiers in Cellular Neuroscience</i> , 2019 , 13, 329	6.1	14
39	Importance of measuring endolysosome, cytosolic, and extracellular pH in understanding the pathogenesis of and possible treatments for glioblastoma multiforme. <i>Cancer Reports</i> , 2019 , 2,	1.5	12
38	Role of endolysosomes and pH in the pathogenesis and treatment of glioblastoma. <i>Cancer Reports</i> , 2019 , 2,	1.5	10
37	Morphine-Induced Modulation of Endolysosomal Iron Mediates Upregulation of Ferritin Heavy Chain in Cortical Neurons. <i>ENeuro</i> , 2019 , 6,	3.9	10
36	Acidifying Endolysosomes Prevented Low-Density Lipoprotein-Induced Amyloidogenesis. <i>Journal of Alzheimer's Disease</i> , 2019 , 67, 393-410	4.3	11
35	Effects of silica nanoparticles on endolysosome function in primary cultured neurons. <i>Canadian Journal of Physiology and Pharmacology</i> , 2019 , 97, 297-305	2.4	12
34	Apolipoprotein E isoform dependently affects Tat-mediated HIV-1 LTR transactivation. <i>Journal of Neuroinflammation</i> , 2018 , 15, 91	10.1	9
33	Proteomic analysis of six- and twelve-month hippocampus and cerebellum in a murine Down syndrome model. <i>Neurobiology of Aging</i> , 2018 , 63, 96-109	5.6	4
32	Withaferin A Suppresses Beta Amyloid in APP Expressing Cells: Studies for Tat and Cocaine Associated Neurological Dysfunctions. <i>Frontiers in Aging Neuroscience</i> , 2018 , 10, 291	5.3	15

31	Human Immunodeficiency Virus Transactivator of Transcription-Induced Increases in Depression-like Effects Are Linked to Oxidative Stress. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017 , 2, 552-553	3.4	
30	The lipid raft-dwelling protein US9 can be manipulated to target APP compartmentalization, APP processing, and neurodegenerative disease pathogenesis. <i>Scientific Reports</i> , 2017 , 7, 15103	4.9	4
29	Caffeine Blocks HIV-1 Tat-Induced Amyloid Beta Production and Tau Phosphorylation. <i>Journal of NeuroImmune Pharmacology</i> , 2017 , 12, 163-170	6.9	14
28	Role of Endolysosomes in Skeletal Muscle Pathology Observed in a Cholesterol-Fed Rabbit Model of Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2016 , 8, 129	5.3	5
27	Release of calcium from endolysosomes increases calcium influx through N-type calcium channels: Evidence for acidic store-operated calcium entry in neurons. <i>Cell Calcium</i> , 2015 , 58, 617-27	4	24
26	Cholesterol-enriched diet disrupts the blood-testis barrier in rabbits. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 307, E1125-30	6	25
25	Ketogenic diet sensitizes glucose control of hippocampal excitability. <i>Journal of Lipid Research</i> , 2014 , 55, 2254-60	6.3	37
24	Activation of TRPML1 clears intraneuronal A β in preclinical models of HIV infection. <i>Journal of Neuroscience</i> , 2014 , 34, 11485-503	6.6	69
23	Role of LDL cholesterol and endolysosomes in amyloidogenesis and Alzheimer's disease. <i>Journal of Neurology & Neurophysiology</i> , 2014 , 5,	0.5	15
22	Role of endolysosomes and cholesterol in the pathogenesis of Alzheimer's disease: Insights into why statins might not provide clinical benefit 2014 , 2,		1
21	Endolysosome involvement in HIV-1 transactivator protein-induced neuronal amyloid beta production. <i>Neurobiology of Aging</i> , 2013 , 34, 2370-8	5.6	48
20	Endolysosome involvement in LDL cholesterol-induced Alzheimer's disease-like pathology in primary cultured neurons. <i>Life Sciences</i> , 2012 , 91, 1159-68	6.8	39
19	Role of endolysosomes in HIV-1 Tat-induced neurotoxicity. <i>ASN Neuro</i> , 2012 , 4, 243-52	5.3	71
18	Metabolomic Identification in Cerebrospinal Fluid of the Effects of High Dietary Cholesterol in a Rabbit Model of Alzheimer's Disease. <i>Metabolomics: Open Access</i> , 2012 , 2, 109		2
17	Endolysosome mechanisms associated with Alzheimer's disease-like pathology in rabbits ingesting cholesterol-enriched diet. <i>Journal of Alzheimer's Disease</i> , 2010 , 22, 1289-303	4.3	31
16	Cholesterol-enriched diet induces endosome/lysosome dysfunction in a rabbit model of inclusion body myositis. <i>FASEB Journal</i> , 2009 , 23, LB135	0.9	
15	Rabbits fed cholesterol-enriched diets exhibit pathological features of inclusion body myositis. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 294, R829-35	3.2	19
14	Human immunodeficiency virus type-1 protein Tat induces tumor necrosis factor-alpha-mediated neurotoxicity. <i>Neurobiology of Disease</i> , 2007 , 26, 661-70	7.5	57

13	Stabilization of blood-brain barrier by caffeine in cholesterol-fed rabbits. <i>FASEB Journal</i> , 2007 , 21, A1168.	9	
12	Effects of nitrobenzylthioinosine on adenosine levels and neuronal injury in rat forebrain ischemia. <i>Neuroscience Research Communications</i> , 2002 , 30, 83-89	9	
11	Adenosine A2A receptor activation reduces proinflammatory events and decreases cell death following intracerebral hemorrhage. <i>Annals of Neurology</i> , 2001 , 49, 727-35	9.4	126
10	Synergistic neurotoxicity by human immunodeficiency virus proteins Tat and gp120: Protection by memantine. <i>Annals of Neurology</i> , 2000 , 47, 186-194	9.4	223
9	Dietary supplement creatine protects against traumatic brain injury. <i>Annals of Neurology</i> , 2000 , 48, 723-729	9.4	223
8	Synergistic neurotoxicity by human immunodeficiency virus proteins Tat and gp120: Protection by memantine 2000 , 47, 186		3
7	Dietary supplement creatine protects against traumatic brain injury 2000 , 48, 723		3
6	Expression of ryanodine receptors in human embryonic kidney (HEK293) cells. <i>Biochemical Journal</i> , 1998 , 334 (Pt 1), 79-86	3.8	43
5	Caffeine stimulates amyloid beta-peptide release from beta-amyloid precursor protein-transfected HEK293 cells. <i>Journal of Neurochemistry</i> , 1997 , 69, 1580-91	6	65
4	Antioxidants and dipyridamole inhibit HIV-1 gp120-induced free radical-based oxidative damage to human monocytoid cells. <i>Journal of Acquired Immune Deficiency Syndromes</i> , 1997 , 16, 223-9		36
3	Interactions of the human immunodeficiency virus with astrocytes. <i>Journal of Computer - Aided Molecular Design</i> , 1996 , 5, 30-42		2
2	HIV-1 coat protein gp120-induced increases in levels of intrasynaptosomal calcium. <i>Brain Research</i> , 1995 , 678, 200-6	3.7	30
1	Human immunodeficiency virus type 1 tat activates non-N-methyl-D-aspartate excitatory amino acid receptors and causes neurotoxicity. <i>Annals of Neurology</i> , 1995 , 37, 373-80	9.4	260