

# Nicole M Ashpole

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2728215/publications.pdf>

Version: 2024-02-01

48  
papers

2,223  
citations

257450

24  
h-index

233421

45  
g-index

51  
all docs

51  
docs citations

51  
times ranked

3022  
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppression of inflammatory and neuropathic pain by uncoupling CRMP-2 from the presynaptic Ca <sup>2+</sup> channel complex. <i>Nature Medicine</i> , 2011, 17, 822-829.	30.7	200
2	Growth hormone, insulin-like growth factor-1 and the aging brain. <i>Experimental Gerontology</i> , 2015, 68, 76-81.	2.8	156
3	Ca <sup>2+</sup> /Calmodulin-dependent Protein Kinase II (CaMKII) Regulates Cardiac Sodium Channel NaV1.5 Gating by Multiple Phosphorylation Sites. <i>Journal of Biological Chemistry</i> , 2012, 287, 19856-19869.	3.4	141
4	<sc>IGF</sc>1 deficiency impairs neurovascular coupling in mice: implications for cerebrovascular aging. <i>Aging Cell</i> , 2015, 14, 1034-1044.	6.7	121
5	CaMKII in cerebral ischemia. <i>Acta Pharmacologica Sinica</i> , 2011, 32, 861-872.	6.1	114
6	IGF-1 has sexually dimorphic, pleiotropic, and time-dependent effects on healthspan, pathology, and lifespan. <i>GeroScience</i> , 2017, 39, 129-145.	4.6	111
7	The Effects of Exercise on Memory Function Among Young to Middle-Aged Adults: Systematic Review and Recommendations for Future Research. <i>American Journal of Health Promotion</i> , 2018, 32, 691-704.	1.7	104
8	Insulin-like growth factor-1 in CNS and cerebrovascular aging. <i>Frontiers in Aging Neuroscience</i> , 2013, 5, 27.	3.4	98
9	Excitotoxic neuroprotection and vulnerability with CaMKII inhibition. <i>Molecular and Cellular Neurosciences</i> , 2011, 46, 720-730.	2.2	94
10	Calcium/Calmodulin-dependent Protein Kinase II (CaMKII) Inhibition Induces Neurotoxicity via Dysregulation of Glutamate/Calcium Signaling and Hyperexcitability. <i>Journal of Biological Chemistry</i> , 2012, 287, 8495-8506.	3.4	86
11	Neuroprotection against Traumatic Brain Injury by a Peptide Derived from the Collapsin Response Mediator Protein 2 (CRMP2). <i>Journal of Biological Chemistry</i> , 2011, 286, 37778-37792.	3.4	78
12	Insulin-like growth factor 1 deficiency exacerbates hypertension-induced cerebral microhemorrhages in mice, mimicking the aging phenotype. <i>Aging Cell</i> , 2017, 16, 469-479.	6.7	78
13	Whole Brain Radiation-Induced Vascular Cognitive Impairment: Mechanisms and Implications. <i>Journal of Vascular Research</i> , 2013, 50, 445-457.	1.4	75
14	Circulating IGF-1 deficiency exacerbates hypertension-induced microvascular rarefaction in the mouse hippocampus and retrosplenial cortex: implications for cerebrovascular and brain aging. <i>Age</i> , 2016, 38, 273-289.	3.0	70
15	Target-Specific Support Vector Machine Scoring in Structure-Based Virtual Screening: Computational Validation, In Vitro Testing in Kinases, and Effects on Lung Cancer Cell Proliferation. <i>Journal of Chemical Information and Modeling</i> , 2011, 51, 755-759.	5.4	59
16	Aging Impairs Myogenic Adaptation to Pulsatile Pressure in Mouse Cerebral Arteries. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 527-530.	4.3	54
17	Small molecule inhibitors of PSD95-nNOS protein-protein interactions as novel analgesics. <i>Neuropharmacology</i> , 2015, 97, 464-475.	4.1	54
18	Loss of Calcium/Calmodulin-dependent Protein Kinase II Activity in Cortical Astrocytes Decreases Glutamate Uptake and Induces Neurotoxic Release of ATP. <i>Journal of Biological Chemistry</i> , 2013, 288, 14599-14611.	3.4	43

#	ARTICLE	IF	CITATIONS
19	IGF-1 Regulates Vertebral Bone Aging Through Sex-Specific and Time-Dependent Mechanisms. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 443-454.	2.8	41
20	IGF-1 deficiency in a critical period early in life influences the vascular aging phenotype in mice by altering miRNA-mediated post-transcriptional gene regulation: implications for the developmental origins of health and disease hypothesis. <i>Age</i> , 2016, 38, 239-258.	3.0	36
21	IGF1R signaling regulates astrocyte-mediated neurovascular coupling in mice: implications for brain aging. <i>GeroScience</i> , 2021, 43, 901-911.	4.6	35
22	Developmental exposure to cannabidiol (CBD) alters longevity and health span of zebrafish ( <i>Danio rerio</i> ). <i>Development</i> , 2021, 148, 107-115.	4.6	30
23	Aging circadian rhythms and cannabinoids. <i>Neurobiology of Aging</i> , 2019, 79, 110-118.	3.1	28
24	Astrocyte senescence contributes to cognitive decline. <i>GeroScience</i> , 2020, 42, 51-55.	4.6	28
25	Loss of insulin-like growth factor-1 signaling in astrocytes disrupts glutamate handling. <i>Journal of Neurochemistry</i> , 2019, 151, 689-702.	3.9	25
26	Disparate Central and Peripheral Effects of Circulating IGF-1 Deficiency on Tissue Mitochondrial Function. <i>Molecular Neurobiology</i> , 2020, 57, 1317-1331.	4.0	24
27	Cannabis constituents reduce seizure behavior in chemically-induced and <i>scn1a</i> -mutant zebrafish. <i>Epilepsy and Behavior</i> , 2020, 110, 107152.	1.7	24
28	Preclinical and clinical evidence of IGF-1 as a prognostic marker and acute intervention with ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 2475-2491.	4.3	24
29	Systemic influences contribute to prolonged microvascular rarefaction after brain irradiation: a role for endothelial progenitor cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H858-H868.	3.2	22
30	The Protein Tyrosine Phosphatase MEG2 Regulates the Transport and Signal Transduction of Tropomyosin Receptor Kinase A. <i>Journal of Biological Chemistry</i> , 2016, 291, 23895-23905.	3.4	22
31	Differential effects of IGF-1 deficiency during the life span on structural and biomechanical properties in the tibia of aged mice. <i>Age</i> , 2016, 38, 38.	3.0	19
32	Endothelin-1-Induced Focal Cerebral Ischemia in the Growth Hormone/IGF-1 Deficient Lewis Dwarf Rat. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69, 1353-1362.	3.6	18
33	The human <i>Nav1.5</i> F1486 deletion associated with long QT syndrome leads to impaired sodium channel inactivation and reduced lidocaine sensitivity. <i>Journal of Physiology</i> , 2012, 590, 5123-5139.	2.9	16
34	Age-related focal loss of contractile vascular smooth muscle cells in retinal arterioles is accelerated by caveolin-1 deficiency. <i>Neurobiology of Aging</i> , 2018, 71, 1-12.	3.1	16
35	Developmental exposure to $\delta^9$ -tetrahydrocannabinol (THC) causes biphasic effects on longevity, inflammation, and reproduction in aged zebrafish ( <i>Danio rerio</i> ). <i>GeroScience</i> , 2020, 42, 923-936.	4.6	12
36	HIV-1 Tat promotes age-related cognitive, anxiety-like, and antinociceptive impairments in female mice that are moderated by aging and endocrine status. <i>GeroScience</i> , 2021, 43, 309-327.	4.6	12

#	ARTICLE	IF	CITATIONS
37	First in class (S,E)-11-[2-(arylmethylene)hydrazono]-PBD analogs as selective CB2 modulators targeting neurodegenerative disorders. <i>Medicinal Chemistry Research</i> , 2021, 30, 98-108.	2.4	10
38	Insulin-Like Growth Factor-1 Differentially Modulates Glutamate-Induced Toxicity and Stress in Cells of the Neuroglivascular Unit. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 751304.	3.4	9
39	Age-dependent hormesis-like effects of the synthetic cannabinoid CP55940 in C57BL/6 mice. <i>Npj Aging and Mechanisms of Disease</i> , 2020, 6, 7.	4.5	7
40	6,5- <i>Fused Ring, C2-Salvinorin Ester, Dual Kappa and Mu Opioid Receptor Agonists as Analgesics Devoid of Anxiogenic Effects</i> . <i>ChemMedChem</i> , 2022, 17, .	3.2	5
41	Rotenoids and Other Specialized Metabolites from the Roots of <i>Mirabilis multiflora</i> : Opioid and Cannabinoid Receptor Radioligand Binding Affinities. <i>Journal of Natural Products</i> , 2021, 84, 1392-1396.	3.0	4
42	Age-related neuroendocrine, cognitive, and behavioral co-morbidities are promoted by HIV-1 Tat expression in male mice. <i>Aging</i> , 2022, 14, 5345-5365.	3.1	4
43	Synthesis, biological evaluation, and NMR studies of 3-fluorinated derivatives of 3,4,5-trihydroxyflavone and 3,4,5-trimethoxyflavone. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 32, 127720.		
44	Acute Exercise, Psychological Stress Induction, and Episodic Memory. <i>American Journal of Health Behavior</i> , 2019, 43, 1016-1029.	1.4	3
45	Identification of an Orally Bioavailable, Brain-Penetrant Compound with Selectivity for the Cannabinoid Type 2 Receptor. <i>Molecules</i> , 2022, 27, 509.	3.8	3
46	Safety and Pharmacokinetics of Intranasally Administered Heparin. <i>Pharmaceutical Research</i> , 2022, 39, 541-551.	3.5	3
47	Novel choline analog 2-(4-((1-phenyl-1H-pyrazol-4-yl)methyl)piperazin-1-yl)ethan-1-ol produces sympathoinhibition, hypotension, and antihypertensive effects. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2019, 392, 1071-1083.	3.0	2
48	4-O-Methylhonokiol Influences Normal Cardiovascular Development in Medaka Embryo. <i>Molecules</i> , 2019, 24, 475.	3.8	2