

Nina Vardjan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1520604/publications.pdf>

Version: 2024-02-01

45
papers

1,576
citations

236925

25
h-index

315739

38
g-index

45
all docs

45
docs citations

45
times ranked

1679
citing authors

#	ARTICLE	IF	CITATIONS
1	Subnanometer Fusion Pores in Spontaneous Exocytosis of Peptidergic Vesicles. <i>Journal of Neuroscience</i> , 2007, 27, 4737-4746.	3.6	106
2	IFN- β -induced increase in the mobility of MHC class II compartments in astrocytes depends on intermediate filaments. <i>Journal of Neuroinflammation</i> , 2012, 9, 144.	7.2	95
3	Dynamics of β -adrenergic/cAMP signaling and morphological changes in cultured astrocytes. <i>Glia</i> , 2014, 62, 566-579.	4.9	77
4	Physiology of Astroglia. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1175, 45-91.	1.6	65
5	Fusion pore stability of peptidergic vesicles. <i>Molecular Membrane Biology</i> , 2010, 27, 65-80.	2.0	64
6	Metabolic Plasticity of Astrocytes and Aging of the Brain. <i>International Journal of Molecular Sciences</i> , 2019, 20, 941.	4.1	62
7	Memory Formation Shaped by Astroglia. <i>Frontiers in Integrative Neuroscience</i> , 2015, 9, 56.	2.1	61
8	Enhancement of Astroglial Aerobic Glycolysis by Extracellular Lactate-Mediated Increase in cAMP. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 148.	2.9	57
9	Excitable Astrocytes: Ca ²⁺ - and cAMP-Regulated Exocytosis. <i>Neurochemical Research</i> , 2015, 40, 2414-2424.	3.3	56
10	Dynamic monitoring of cytosolic glucose in single astrocytes. <i>Glia</i> , 2011, 59, 903-913.	4.9	55
11	Exocytosis in Astrocytes: Transmitter Release and Membrane Signal Regulation. <i>Neurochemical Research</i> , 2012, 37, 2351-2363.	3.3	53
12	Dominant negative SNARE peptides stabilize the fusion pore in a narrow, release-unproductive state. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 3719-3731.	5.4	53
13	Astrocytes with TDP-43 inclusions exhibit reduced noradrenergic cAMP and Ca ²⁺ signaling and dysregulated cell metabolism. <i>Scientific Reports</i> , 2020, 10, 6003.	3.3	50
14	Astrocytic Vesicle Mobility in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2013, 14, 11238-11258.	4.1	48
15	Adrenergic stimulation of single rat astrocytes results in distinct temporal changes in intracellular Ca ²⁺ and cAMP-dependent PKA responses. <i>Cell Calcium</i> , 2016, 59, 156-163.	2.4	47
16	Insulin and Insulin-like Growth Factor 1 (IGF-1) Modulate Cytoplasmic Glucose and Glycogen Levels but Not Glucose Transport across the Membrane in Astrocytes. <i>Journal of Biological Chemistry</i> , 2015, 290, 11167-11176.	3.4	46
17	Adrenergic activation attenuates astrocyte swelling induced by hypotonicity and neurotrauma. <i>Glia</i> , 2016, 64, 1034-1049.	4.9	45
18	Loose excitation-secretion coupling in astrocytes. <i>Glia</i> , 2016, 64, 655-667.	4.9	43

#	ARTICLE	IF	CITATIONS
19	General Pathophysiology of Astroglia. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1175, 149-179.	1.6	43
20	Astrocytes in stress accumulate lipid droplets. <i>Glia</i> , 2021, 69, 1540-1562.	4.9	42
21	Pathologic Potential of Astrocytic Vesicle Traffic: New Targets to Treat Neurologic Diseases?. <i>Cell Transplantation</i> , 2015, 24, 599-612.	2.5	30
22	Elementary properties of spontaneous fusion of peptidergic vesicles: fusion pore gating. <i>Journal of Physiology</i> , 2007, 585, 655-661.	2.9	29
23	Fusion Pores, SNAREs, and Exocytosis. <i>Neuroscientist</i> , 2013, 19, 160-174.	3.5	29
24	Astrocyte Specific Remodeling of Plasmalemmal Cholesterol Composition by Ketamine Indicates a New Mechanism of Antidepressant Action. <i>Scientific Reports</i> , 2019, 9, 10957.	3.3	29
25	Astrocytic face of Alzheimer's disease. <i>Behavioural Brain Research</i> , 2017, 322, 250-257.	2.2	27
26	Gliocrine System: Astroglia as Secretory Cells of the CNS. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1175, 93-115.	1.6	24
27	Astroglial cAMP signalling in space and time. <i>Neuroscience Letters</i> , 2019, 689, 5-10.	2.1	23
28	Ca ²⁺ as the prime trigger of aerobic glycolysis in astrocytes. <i>Cell Calcium</i> , 2021, 95, 102368.	2.4	23
29	Time-dependent uptake and trafficking of vesicles capturing extracellular S100B in cultured rat astrocytes. <i>Journal of Neurochemistry</i> , 2016, 139, 309-323.	3.9	22
30	Astrocytic Pathological Calcium Homeostasis and Impaired Vesicle Trafficking in Neurodegeneration. <i>International Journal of Molecular Sciences</i> , 2017, 18, 358.	4.1	22
31	Hyperpolarization-Activated Cyclic Nucleotide-Gated Channels and cAMP-Dependent Modulation of Exocytosis in Cultured Rat Lactotrophs. <i>Journal of Neuroscience</i> , 2014, 34, 15638-15647.	3.6	20
32	Noradrenaline-induced lactate production requires glucose entry and transit through the glycogen shunt in single cultured rat astrocytes. <i>Journal of Neuroscience Research</i> , 2021, 99, 1084-1098.	2.9	16
33	Pathophysiology of Lipid Droplets in Neuroglia. <i>Antioxidants</i> , 2022, 11, 22.	5.1	16
34	The European Research Network on Signal Transduction (ERNEST): Toward a Multidimensional Holistic Understanding of G Protein-Coupled Receptor Signaling. <i>ACS Pharmacology and Translational Science</i> , 2020, 3, 361-370.	4.9	15
35	Regulated Exocytosis in Astrocytes is as Slow as the Metabolic Availability of Gliotransmitters: Focus on Glutamate and ATP. <i>Advances in Neurobiology</i> , 2014, 11, 81-101.	1.8	15
36	Inhibiting glycolysis rescues memory impairment in an intellectual disability Gdi1-null mouse. <i>Metabolism: Clinical and Experimental</i> , 2021, 116, 154463.	3.4	14

#	ARTICLE	IF	CITATIONS
37	Lactate as an Astroglial Signal Augmenting Aerobic Glycolysis and Lipid Metabolism. <i>Frontiers in Physiology</i> , 2021, 12, 735532.	2.8	14
38	Unproductive exocytosis. <i>Journal of Neurochemistry</i> , 2016, 137, 880-889.	3.9	9
39	Targeting Astrocytes for Treating Neurological Disorders: Carbon Monoxide and Noradrenaline-Induced Increase in Lactate. <i>Current Pharmaceutical Design</i> , 2018, 23, 4969-4978.	1.9	8
40	Impaired $\hat{\pm}$ GDI Function in the X-Linked Intellectual Disability: The Impact on Astroglia Vesicle Dynamics. <i>Molecular Neurobiology</i> , 2017, 54, 2458-2468.	4.0	7
41	Astrocyte arborization enhances Ca^{2+} but not cAMP signaling plasticity. <i>Glia</i> , 2021, 69, 2899-2916.	4.9	7
42	The Activation of GPR27 Increases Cytosolic L-Lactate in 3T3 Embryonic Cells and Astrocytes. <i>Cells</i> , 2022, 11, 1009.	4.1	6
43	Locus Coeruleus Noradrenergic Neurons and Astroglia in Health and Disease. , 2017, , 1-24.		3
44	Adrenergic Ca^{2+} and cAMP Excitability. , 2017, , 103-125.		0
45	Cover Image, Volume 69, Issue 12. <i>Glia</i> , 2021, 69, C1.	4.9	0