Nina Vardjan

List of Publications by Year
in descending order

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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	Pathophysiology of Lipid Droplets in Neuroglia. Antioxidants, 2022, 11, 22.	5.1	16
2	The Activation of GPR27 Increases Cytosolic L-Lactate in 3T3 Embryonic Cells and Astrocytes. Cells, 2022, 11, 1009.	4.1	6
3	Noradrenalineâ€induced <scp>l</scp>â€lactate production requires <scp>d</scp>â€glucose entry and transit through the glycogen shunt in singleâ€cultured rat astrocytes. Journal of Neuroscience Research, 2021, 99, 1084-1098.	2.9	16
4	Astrocytes in stress accumulate lipid droplets. Glia, 2021, 69, 1540-1562.	4.9	42
5	Inhibiting glycolysis rescues memory impairment in an intellectual disability Gdi1-null mouse. Metabolism: Clinical and Experimental, 2021, 116, 154463.	3.4	14
6	Ca2+ as the prime trigger of aerobic glycolysis in astrocytes. Cell Calcium, 2021, 95, 102368.	2.4	23
7	Astrocyte arborization enhances Ca²⁺ but not <scp>cAMP</scp> signaling plasticity. Glia, 2021, 69, 2899-2916.	4.9	7
8	Lactate as an Astroglial Signal Augmenting Aerobic Glycolysis and Lipid Metabolism. Frontiers in Physiology, 2021, 12, 735532.	2.8	14
9	Cover Image, Volume 69, Issue 12. Glia, 2021, 69, C1.	4.9	0
10	The European Research Network on Signal Transduction (ERNEST): Toward a Multidimensional Holistic Understanding of G Protein-Coupled Receptor Signaling. ACS Pharmacology and Translational Science, 2020, 3, 361-370.	4.9	15
11	Astrocytes with TDP-43 inclusions exhibit reduced noradrenergic cAMP and Ca2+ signaling and dysregulated cell metabolism. Scientific Reports, 2020, 10, 6003.	3.3	50
12	Astroglial cAMP signalling in space and time. Neuroscience Letters, 2019, 689, 5-10.	2.1	23
13	Astrocyte Specific Remodeling of Plasmalemmal Cholesterol Composition by Ketamine Indicates a New Mechanism of Antidepressant Action. Scientific Reports, 2019, 9, 10957.	3.3	29
14	Metabolic Plasticity of Astrocytes and Aging of the Brain. International Journal of Molecular Sciences, 2019, 20, 941.	4.1	62
15	Physiology of Astroglia. Advances in Experimental Medicine and Biology, 2019, 1175, 45-91.	1.6	65
16	Gliocrine System: Astroglia as Secretory Cells of the CNS. Advances in Experimental Medicine and Biology, 2019, 1175, 93-115.	1.6	24
17	General Pathophysiology of Astroglia. Advances in Experimental Medicine and Biology, 2019, 1175, 149-179.	1.6	43
18	Enhancement of Astroglial Aerobic Glycolysis by Extracellular Lactate-Mediated Increase in cAMP. Frontiers in Molecular Neuroscience, 2018, 11, 148.	2.9	57

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19	Targeting Astrocytes for Treating Neurological Disorders: Carbon Monoxide and Noradrenaline-Induced Increase in Lactate. Current Pharmaceutical Design, 2018, 23, 4969-4978.	1.9	8
20	Impaired Î±GDI Function in the X-Linked Intellectual Disability: The Impact on Astroglia Vesicle Dynamics. Molecular Neurobiology, 2017, 54, 2458-2468.	4.0	7
21	Astrocytic face of Alzheimerâ€™s disease. Behavioural Brain Research, 2017, 322, 250-257.	2.2	27
22	Locus Coeruleus Noradrenergic Neurons and Astroglia in Health and Disease. , 2017, , 1-24.		3
23	Astrocytic Pathological Calcium Homeostasis and Impaired Vesicle Trafficking in Neurodegeneration. International Journal of Molecular Sciences, 2017, 18, 358.	4.1	22
24	Adrenergic Ca 2+ and cAMP Excitability. , 2017, , 103-125.		0
25	Loose excitationâ€“secretion coupling in astrocytes. Glia, 2016, 64, 655-667.	4.9	43
26	Adrenergic activation attenuates astrocyte swelling induced by hypotonicity and neurotrauma. Glia, 2016, 64, 1034-1049.	4.9	45
27	Dominant negative SNARE peptides stabilize the fusion pore in a narrow, release-unproductive state. Cellular and Molecular Life Sciences, 2016, 73, 3719-3731.	5.4	53
28	Timeâ€dependent uptake and trafficking of vesicles capturing extracellular S100B in cultured rat astrocytes. Journal of Neurochemistry, 2016, 139, 309-323.	3.9	22
29	Unproductive exocytosis. Journal of Neurochemistry, 2016, 137, 880-889.	3.9	9
30	Adrenergic stimulation of single rat astrocytes results in distinct temporal changes in intracellular Ca2+ and cAMP-dependent PKA responses. Cell Calcium, 2016, 59, 156-163.	2.4	47
31	Pathologic Potential of Astrocytic Vesicle Traffic: New Targets to Treat Neurologic Diseases?. Cell Transplantation, 2015, 24, 599-612.	2.5	30
32	Memory Formation Shaped by Astroglia. Frontiers in Integrative Neuroscience, 2015, 9, 56.	2.1	61
33	Insulin and Insulin-like Growth Factor 1 (IGF-1) Modulate Cytoplasmic Glucose and Glycogen Levels but Not Glucose Transport across the Membrane in Astrocytes. Journal of Biological Chemistry, 2015, 290, 11167-11176.	3.4	46
34	Excitable Astrocytes: Ca2+- and cAMP-Regulated Exocytosis. Neurochemical Research, 2015, 40, 2414-2424.	3.3	56
35	Dynamics of Î²â€adrenergic/cAMP signaling and morphological changes in cultured astrocytes. Glia, 2014, 62, 566-579.	4.9	77
36	Hyperpolarization-Activated Cyclic Nucleotide-Gated Channels and cAMP-Dependent Modulation of Exocytosis in Cultured Rat Lactotrophs. Journal of Neuroscience, 2014, 34, 15638-15647.	3.6	20

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37	Regulated Exocytosis in Astrocytes is as Slow as the Metabolic Availability of Gliotransmitters: Focus on Glutamate and ATP. Advances in Neurobiology, 2014, 11, 81-101.	1.8	15
38	Fusion Pores, SNAREs, and Exocytosis. Neuroscientist, 2013, 19, 160-174.	3.5	29
39	Astrocytic Vesicle Mobility in Health and Disease. International Journal of Molecular Sciences, 2013, 14, 11238-11258.	4.1	48
40	IFN-Î³-induced increase in the mobility of MHC class II compartments in astrocytes depends on intermediate filaments. Journal of Neuroinflammation, 2012, 9, 144.	7.2	95
41	Exocytosis in Astrocytes: Transmitter Release and Membrane Signal Regulation. Neurochemical Research, 2012, 37, 2351-2363.	3.3	53
42	Dynamic monitoring of cytosolic glucose in single astrocytes. Glia, 2011, 59, 903-913.	4.9	55
43	Fusion pore stability of peptidergic vesicles. Molecular Membrane Biology, 2010, 27, 65-80.	2.0	64
44	Subnanometer Fusion Pores in Spontaneous Exocytosis of Peptidergic Vesicles. Journal of Neuroscience, 2007, 27, 4737-4746.	3.6	106
45	Elementary properties of spontaneous fusion of peptidergic vesicles: fusion pore gating. Journal of Physiology, 2007, 585, 655-661.	2.9	29