Robert Zorec

List of Publications by Year
in descending order

259 papers	11,207 citations	38742 50 h-index	42399 92 g-index
265 all docs	265 docs citations	265 times ranked	10502 citing authors

#	Article	IF	Citations
1	Vesicle cholesterol controls exocytotic fusion pore. Cell Calcium, 2022, 101, 102503.	2.4	13
2	Pathophysiology of Lipid Droplets in Neuroglia. Antioxidants, 2022, 11, 22.	5.1	16
3	Dendritic cell-based vaccine prolongs survival and time to next therapy independently of the vaccine cell number. Biology Direct, 2022, 17, 5.	4.6	1
4	The Activation of GPR27 Increases Cytosolic L-Lactate in 3T3 Embryonic Cells and Astrocytes. Cells, 2022, 11, 1009.	4.1	6
5	Probing single molecule mechanical interactions of syntaxin 1A with native synaptobrevin 2 residing on a secretory vesicle. Cell Calcium, 2022, 104, 102570.	2.4	3
6	Plectin dysfunction in neurons leads to tau accumulation on microtubules affecting neuritogenesis, organelle trafficking, pain sensitivity and memory. Neuropathology and Applied Neurobiology, 2021, 47, 73-95.	3.2	18
7	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
8	Astrocytes in heavy metal neurotoxicity and neurodegeneration. Brain Research, 2021, 1752, 147234.	2.2	64
9	Reactive astrocyte nomenclature, definitions, and future directions. Nature Neuroscience, 2021, 24, 312-325.	14.8	1,098
10	Astrocytes in stress accumulate lipid droplets. Glia, 2021, 69, 1540-1562.	4.9	42
11	The Association Between Antidepressant Effect of SSRIs and Astrocytes: Conceptual Overview and Metaâ€analysis of the Literature. Neurochemical Research, 2021, 46, 2731-2745.	3.3	8
12	Inhibiting glycolysis rescues memory impairment in an intellectual disability Gdi1-null mouse. Metabolism: Clinical and Experimental, 2021, 116, 154463.	3.4	14
13	Neurotropic Viruses, Astrocytes, and COVID-19. Frontiers in Cellular Neuroscience, 2021, 15, 662578.	3.7	40
14	Ca2+ as the prime trigger of aerobic glycolysis in astrocytes. Cell Calcium, 2021, 95, 102368.	2.4	23
15	Clobetasol promotes neuromuscular plasticity in mice after motoneuronal loss via sonic hedgehog signaling, immunomodulation and metabolic rebalancing. Cell Death and Disease, 2021, 12, 625.	6.3	16
16	Preface for the Vladimir Parpura Honorary Issue of Neurochemical Research. Neurochemical Research, 2021, 46, 2507-2511.	3.3	0
17	Astrocyte arborization enhances Ca²⁺ but not <scp>cAMP</scp> signaling plasticity. Glia, 2021, 69, 2899-2916.	4.9	7
18	Survival of castrationâ€resistant prostate cancer patients treated with dendriticâ€“tumor cell hybridomas is negatively correlated with changes in peripheral blood CD56^{bright}CD16^{â^'} natural killer cells. Clinical and Translational Medicine, 2021, 11, e505.	4.0	4

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19	Lactate as an Astroglial Signal Augmenting Aerobic Glycolysis and Lipid Metabolism. Frontiers in Physiology, 2021, 12, 735532.	2.8	14
20	Cover Image, Volume 69, Issue 12. Glia, 2021, 69, C1.	4.9	0
21	Methods for Monitoring Endocytosis in Astrocytes. Methods in Molecular Biology, 2021, 2233, 93-100.	0.9	2
22	Ketamine Action on Astrocytes Provides New Insights into Rapid Antidepressant Mechanisms. Advances in Neurobiology, 2021, 26, 349-365.	1.8	9
23	Astroglial Mechanisms of Ketamine Action Include Reduced Mobility of Kir4.1-Carrying Vesicles. Neurochemical Research, 2020, 45, 109-121.	3.3	14
24	Nestin affects fusion pore dynamics in mouse astrocytes. Acta Physiologica, 2020, 228, e13399.	3.8	10
25	Exocytosis of large-diameter lysosomes mediates interferon Î³-induced relocation of MHC class II molecules toward the surface of astrocytes. Cellular and Molecular Life Sciences, 2020, 77, 3245-3264.	5.4	12
26	Physiology of Astroglial Excitability. Function, 2020, 1, zqaa016.	2.3	48
27	Insights into Cell Surface Expression, Supramolecular Organization, and Functions of Aquaporin 4 Isoforms in Astrocytes. Cells, 2020, 9, 2622.	4.1	25
28	Astrocytes in rapid ketamine antidepressant action. Neuropharmacology, 2020, 173, 108158.	4.1	25
29	Indirect Role of AQP4b and AQP4d Isoforms in Dynamics of Astrocyte Volume and Orthogonal Arrays of Particles. Cells, 2020, 9, 735.	4.1	12
30	Neuroinfection may contribute to pathophysiology and clinical manifestations of COVIDâ€19. Acta Physiologica, 2020, 229, e13473.	3.8	283
31	Large-Scale Proteomics Highlights Glial Role in Neurodegeneration. Cell Metabolism, 2020, 32, 11-12.	16.2	3
32	Astrocytes with TDP-43 inclusions exhibit reduced noradrenergic cAMP and Ca2+ signaling and dysregulated cell metabolism. Scientific Reports, 2020, 10, 6003.	3.3	50
33	Secretory Astrocytes. Masterclass in Neuroendocrinology, 2020, , 127-160.	0.1	0
34	Exocytotic fusion pore under stress. Cell Stress, 2020, 4, 218-226.	3.2	0
35	Exocytotic fusion pore under stress. Cell Stress, 2020, 4, 218-226.	3.2	3
36	Astroglial signalling in health and disease. Neuroscience Letters, 2019, 689, 1-4.	2.1	16

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37	Astrogliopathology in the infectious insults of the brain. Neuroscience Letters, 2019, 689, 56-62.	2.1	36
38	Astrocyte Specific Remodeling of Plasmalemmal Cholesterol Composition by Ketamine Indicates a New Mechanism of Antidepressant Action. Scientific Reports, 2019, 9, 10957.	3.3	29
39	Astroglial atrophy in Alzheimerâ€™s disease. Pflugers Archiv European Journal of Physiology, 2019, 471, 1247-1261.	2.8	95
40	Fingolimod Suppresses the Proinflammatory Status of Interferon-Î³-Activated Cultured Rat Astrocytes. Molecular Neurobiology, 2019, 56, 5971-5986.	4.0	10
41	ZIKV Strains Differentially Affect Survival of Human Fetal Astrocytes versus Neurons and Traffic of ZIKV-Laden Endocytotic Compartments. Scientific Reports, 2019, 9, 8069.	3.3	32
42	Metabolic Plasticity of Astrocytes and Aging of the Brain. International Journal of Molecular Sciences, 2019, 20, 941.	4.1	62
43	Astrocytes in Flavivirus Infections. International Journal of Molecular Sciences, 2019, 20, 691.	4.1	54
44	Nestin Regulates Neurogenesis in Mice Through Notch Signaling From Astrocytes to Neural Stem Cells. Cerebral Cortex, 2019, 29, 4050-4066.	2.9	46
45	Slow Release of HIV-1 Protein Nef from Vesicle-like Structures Is Inhibited by Cytosolic Calcium Elevation in Single Human Microglia. Molecular Neurobiology, 2019, 56, 102-118.	4.0	11
46	The Concept of Neuroglia. Advances in Experimental Medicine and Biology, 2019, 1175, 1-13.	1.6	32
47	Astroglia in Alzheimerâ€™s Disease. Advances in Experimental Medicine and Biology, 2019, 1175, 273-324.	1.6	59
48	Physiology of Astroglia. Advances in Experimental Medicine and Biology, 2019, 1175, 45-91.	1.6	65
49	Gliocrine System: Astroglia as Secretory Cells of the CNS. Advances in Experimental Medicine and Biology, 2019, 1175, 93-115.	1.6	24
50	General Pathophysiology of Astroglia. Advances in Experimental Medicine and Biology, 2019, 1175, 149-179.	1.6	43
51	Neuroglia in Ageing. Advances in Experimental Medicine and Biology, 2019, 1175, 181-197.	1.6	17
52	SNARE-mediated vesicle navigation, vesicle anatomy and exocytotic fusion pore. Cell Calcium, 2018, 73, 53-54.	2.4	6
53	Preventing neurodegeneration by adrenergic astroglial excitation. FEBS Journal, 2018, 285, 3645-3656.	4.7	26
54	Presenilin <scp>PS</scp>1â^†E9 disrupts mobility of secretory organelles in rat astrocytes. Acta Physiologica, 2018, 223, e13046.	3.8	3

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55	The uptake, retention and clearance of drug-loaded dendrimer nanoparticles in astrocytes â€“ electrophysiological quantification. Biomaterials Science, 2018, 6, 388-397.	5.4	15
56	PKH26 labeling of extracellular vesicles: Characterization and cellular internalization of contaminating PKH26 nanoparticles. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 1350-1361.	2.6	198
57	Enteric glia regulate gut motility in health and disease. Brain Research Bulletin, 2018, 136, 109-117.	3.0	55
58	Ã…ngstrom-size exocytotic fusion pore: Implications for pituitary hormone secretion. Molecular and Cellular Endocrinology, 2018, 463, 65-71.	3.2	13
59	Astroglial vesicular network: evolutionary trends, physiology and pathophysiology. Acta Physiologica, 2018, 222, e12915.	3.8	27
60	Systemic Hypoxia Increases the Expression of DPP4 in Preadipocytes of Healthy Human Participants. Experimental and Clinical Endocrinology and Diabetes, 2018, 126, 91-95.	1.2	2
61	Enhancement of Astroglial Aerobic Glycolysis by Extracellular Lactate-Mediated Increase in cAMP. Frontiers in Molecular Neuroscience, 2018, 11, 148.	2.9	57
62	Noradrenergic Hypothesis Linking Neurodegeneration-Based Cognitive Decline and Astroglia. Frontiers in Molecular Neuroscience, 2018, 11, 254.	2.9	39
63	Targeting Astrocytes for Treating Neurological Disorders: Carbon Monoxide and Noradrenaline-Induced Increase in Lactate. Current Pharmaceutical Design, 2018, 23, 4969-4978.	1.9	8
64	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
65	Astrocytic face of Alzheimerâ€™s disease. Behavioural Brain Research, 2017, 322, 250-257.	2.2	27
66	Astrocytic Vesicleâ€based Exocytosis in Cultures and Acutely Isolated Hippocampal Rodent Slices. Journal of Neuroscience Research, 2017, 95, 2152-2158.	2.9	8
67	AQP4e-Based Orthogonal Arrays Regulate Rapid Cell Volume Changes in Astrocytes. Journal of Neuroscience, 2017, 37, 10748-10756.	3.6	34
68	Sphingomimetic multiple sclerosis drug FTY720 activates vesicular synaptobrevin and augments neuroendocrine secretion. Scientific Reports, 2017, 7, 5958.	3.3	13
69	Stratification of astrocytes in healthy and diseased brain. Brain Pathology, 2017, 27, 629-644.	4.1	180
70	Exocytotic fusion pores as a target for therapy. Cell Calcium, 2017, 66, 71-77.	2.4	2
71	Neuroglia: Functional Paralysis and Reactivity in Alzheimerâ€™s Disease and Other Neurodegenerative Pathologies. Advances in Neurobiology, 2017, 15, 427-449.	1.8	19
72	Dynamin regulates the fusion pore of endo- and exocytotic vesicles as revealed by membrane capacitance measurements. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 2293-2303.	2.4	22

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73	Astroglial calcium signalling in Alzheimer's disease. Biochemical and Biophysical Research Communications, 2017, 483, 1005-1012.	2.1	41
74	Astroglial Vesicular Trafficking in Neurodegenerative Diseases. Neurochemical Research, 2017, 42, 905-917.	3.3	10
75	Locus Coeruleus Noradrenergic Neurons and Astroglia in Health and Disease. , 2017, , 1-24.		3
76	Astrocytic Pathological Calcium Homeostasis and Impaired Vesicle Trafficking in Neurodegeneration. International Journal of Molecular Sciences, 2017, 18, 358.	4.1	22
77	Adrenergic Ca 2+ and cAMP Excitability. , 2017, , 103-125.		0
78	Exocytotic pore in a SNARE. Oncotarget, 2017, 8, 38082-38083.	1.8	1
79	Hypoxia Alters the Expression of Dipeptidyl Peptidase 4 and Induces Developmental Remodeling of Human Preadipocytes. Journal of Diabetes Research, 2016, 2016, 1-9.	2.3	12
80	Astrocyte Aquaporin Dynamics in Health and Disease. International Journal of Molecular Sciences, 2016, 17, 1121.	4.1	50
81	Subanesthetic doses of ketamine stabilize the fusion pore in a narrow flickering state in astrocytes. Journal of Neurochemistry, 2016, 138, 909-917.	3.9	26
82	Loose excitationâ€“secretion coupling in astrocytes. Glia, 2016, 64, 655-667.	4.9	43
83	Adrenergic activation attenuates astrocyte swelling induced by hypotonicity and neurotrauma. Glia, 2016, 64, 1034-1049.	4.9	45
84	Expression of familial <scp>A</scp>lzheimer disease presenilin 1 gene attenuates vesicle traffic and reduces peptide secretion in cultured astrocytes devoid of pathologic tissue environment. Glia, 2016, 64, 317-329.	4.9	53
85	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
86	Astrocytes as secretory cells of the central nervous system: idiosyncrasies of vesicular secretion. EMBO Journal, 2016, 35, 239-257.	7.8	318
87	Timeâ€dependent uptake and trafficking of vesicles capturing extracellular S100B in cultured rat astrocytes. Journal of Neurochemistry, 2016, 139, 309-323.	3.9	22
88	Exocytosis in nonâ€neuronal cells. Journal of Neurochemistry, 2016, 137, 849-859.	3.9	26
89	Astrocytes in physiological aging and Alzheimerâ€™s disease. Neuroscience, 2016, 323, 170-182.	2.3	331
90	Ketamine Inhibits ATP-Evoked Exocytotic Release of Brain-Derived Neurotrophic Factor from Vesicles in Cultured Rat Astrocytes. Molecular Neurobiology, 2016, 53, 6882-6896.	4.0	46

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91	Unproductive exocytosis. Journal of Neurochemistry, 2016, 137, 880-889.	3.9	9
92	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
93	Astroglia dynamics in ageing and Alzheimer's disease. Current Opinion in Pharmacology, 2016, 26, 74-79.	3.5	116
94	Astrocytic vesicles and gliotransmitters: Slowness of vesicular release and synaptobrevin2-laden vesicle nanoarchitecture. Neuroscience, 2016, 323, 67-75.	2.3	51
95	Calcium Signalling Toolkits in Astrocytes and Spatio-Temporal Progression of Alzheimer's Disease. Current Alzheimer Research, 2016, 13, 359-369.	1.4	44
96	Synthetic cell pathobiology to study neurodegeneration: defining new therapeutic targets in astroglia. Neural Regeneration Research, 2016, 11, 234.	3.0	0
97	PATHOBIOLOGY OF NEURODEGENERATION: THE ROLE FOR ASTROGLIA. Opera Medica Et Physiologica, 2016, 1, 13-22.	1.0	14
98	Fusion Properties of Gliotransmitter Vesicles in Cultured Astrocytes. Biophysical Journal, 2015, 108, 102a.	0.5	0
99	Pathologic Potential of Astrocytic Vesicle Traffic: New Targets to Treat Neurologic Diseases?. Cell Transplantation, 2015, 24, 599-612.	2.5	30
100	Memory Formation Shaped by Astroglia. Frontiers in Integrative Neuroscience, 2015, 9, 56.	2.1	61
101	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
102	Excitable Astrocytes: Ca2+- and cAMP-Regulated Exocytosis. Neurochemical Research, 2015, 40, 2414-2424.	3.3	56
103	Local electrostatic interactions determine the diameter of fusion pores. Channels, 2015, 9, 96-101.	2.8	4
104	Insulin Induces an Increase in Cytosolic Glucose Levels in 3T3-L1 Cells with Inhibited Glycogen Synthase Activation. International Journal of Molecular Sciences, 2014, 15, 17827-17837.	4.1	5
105	Dynamics of Î²â€adrenergic/cAMP signaling and morphological changes in cultured astrocytes. Glia, 2014, 62, 566-579.	4.9	77
106	Alterations of calcium homoeostasis in cultured rat astrocytes evoked by bioactive sphingolipids. Acta Physiologica, 2014, 212, 49-61.	3.8	23
107	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
108	Single-vesicle architecture of synaptobrevin2 in astrocytes. Nature Communications, 2014, 5, 3780.	12.8	40

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109	Reduction in C-terminal amidated species of recombinant monoclonal antibodies by genetic modification of CHO cells. BMC Biotechnology, 2014, 14, 76.	3.3	21
110	Exocytotic Fusion Pore Intermediates of Dense-Core Vesicles. Biophysical Journal, 2014, 106, 10a-11a.	0.5	0
111	Differences in the expression pattern of HCN isoforms among mammalian tissues: sources and implications. Molecular Biology Reports, 2014, 41, 297-307.	2.3	22
112	Fusion Properties of Gliotransmitter Vesicles in Astrocytes. Biophysical Journal, 2014, 106, 526a.	0.5	0
113	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
114	Tick-Borne Encephalitis Virus Infects Rat Astrocytes but Does Not Affect Their Viability. PLoS ONE, 2014, 9, e86219.	2.5	52
115	Pathophysiology of Vesicle Dynamics in Astrocytes. , 2014, , 33-60.		1
116	Diffusion of d-glucose measured in the cytosol of a single astrocyte. Cellular and Molecular Life Sciences, 2013, 70, 1483-1492.	5.4	36
117	Fusion Pores, SNAREs, and Exocytosis. Neuroscientist, 2013, 19, 160-174.	3.5	29
118	Immunoglobulins G from patients with sporadic amyotrophic lateral sclerosis affects cytosolic Ca2+ homeostasis in cultured rat astrocytes. Cell Calcium, 2013, 54, 17-25.	2.4	16
119	Cholesterol-mediated membrane surface area dynamics in neuroendocrine cells. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 1228-1238.	2.4	12
120	Peptide Hormone Release Monitored From Single Vesicles in â€œMembrane Lawnsâ€•of Differentiated Male Pituitary Cells: SNAREs and Fusion Pore Widening. Endocrinology, 2013, 154, 1235-1246.	2.8	7
121	Regulation of AQP4 surface expression via vesicle mobility in astrocytes. Glia, 2013, 61, 917-928.	4.9	61
122	High-resolution membrane capacitance measurements for the study of exocytosis and endocytosis. Nature Protocols, 2013, 8, 1169-1183.	12.0	56
123	Vesicle size determines unitary exocytic properties and their sensitivity to sphingosine. Molecular and Cellular Endocrinology, 2013, 376, 136-147.	3.2	34
124	cAMP-Mediated Stabilization of Fusion Pores in Cultured Rat Pituitary Lactotrophs. Journal of Neuroscience, 2013, 33, 8068-8078.	3.6	33
125	Astrocytic Vesicle Mobility in Health and Disease. International Journal of Molecular Sciences, 2013, 14, 11238-11258.	4.1	48
126	Comparison of unitary exocytic events in pituitary lactotrophs and in astrocytes: modeling the discrete open fusion-pore states. Frontiers in Cellular Neuroscience, 2013, 7, 33.	3.7	4

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127	Morphological alterations of T24 cells on flat and nanotubular TiO2 surfaces. Croatian Medical Journal, 2012, 53, 577-585.	0.7	11
128	Astroglial Excitability and Gliotransmission: An Appraisal of Ca²⁺ as a Signalling Route. ASN Neuro, 2012, 4, AN20110061.	2.7	240
129	Munc18â€“1, exocytotic fusion pore regulation and local membrane anisotropy. Communicative and Integrative Biology, 2012, 5, 74-77.	1.4	3
130	Regulated exocytosis per partes. Cell Calcium, 2012, 52, 191-195.	2.4	13
131	Fusion pore regulation in peptidergic vesicles. Cell Calcium, 2012, 52, 270-276.	2.4	8
132	Amyotrophic Lateral Sclerosis IgGs Enhance the Mobility of Lysotracker-Labelled Vesicles in Cultured Rat Astrocytes. Biophysical Journal, 2012, 102, 380a.	0.5	0
133	Aluminium-induced changes of fusion pore properties attenuate prolactin secretion in rat pituitary lactotrophs. Neuroscience, 2012, 201, 57-66.	2.3	12
134	Astrocytes Negatively Regulate Neurogenesis Through the Jagged1â€Mediated Notch Pathway. Stem Cells, 2012, 30, 2320-2329.	3.2	123
135	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
136	Exocytosis in Astrocytes: Transmitter Release and Membrane Signal Regulation. Neurochemical Research, 2012, 37, 2351-2363.	3.3	53
137	Cholesterol and regulated exocytosis: A requirement for unitary exocytotic events. Cell Calcium, 2012, 52, 250-258.	2.4	37
138	The transport along membrane nanotubes driven by the spontaneous curvature of membrane components. Bioelectrochemistry, 2012, 87, 204-210.	4.6	11
139	Adipocyte cell size enlargement involves plasma membrane area increase. Archives of Physiology and Biochemistry, 2012, 118, 121-127.	2.1	4
140	Fusion Pore Diameter Regulation by Cations Modulating Local Membrane Anisotropy. Scientific World Journal, The, 2012, 2012, 1-7.	2.1	7
141	Erratum to â€œFusion Pore Diameter Regulation by Cations Modulating Local Membrane Anisotropyâ€• Scientific World Journal, The, 2012, 2012, 1-1.	2.1	5
142	The role of cholesterol-sphingomyelin membrane nanodomains in the stability of intercellular membrane nanotubes. International Journal of Nanomedicine, 2012, 7, 1891.	6.7	29
143	Fingolimodâ€”A sphingosineâ€like molecule inhibits vesicle mobility and secretion in astrocytes. Glia, 2012, 60, 1406-1416.	4.9	41
144	Glial cells in (patho)physiology. Journal of Neurochemistry, 2012, 121, 4-27.	3.9	460

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145	Rab4 and Rab5 GTPase are required for directional mobility of endocytic vesicles in astrocytes. Glia, 2012, 60, 594-604.	4.9	23
146	Astrocytes and energy metabolism. Archives of Physiology and Biochemistry, 2011, 117, 64-69.	2.1	41
147	Changes in cytosolic glucose level in ATP stimulated live astrocytes. Biochemical and Biophysical Research Communications, 2011, 405, 308-313.	2.1	17
148	Rosiglitazone balances insulin-induced exo- and endocytosis in single 3T3-L1 adipocytes. Molecular and Cellular Endocrinology, 2011, 333, 70-77.	3.2	3
149	Amyotrophic lateral sclerosis immunoglobulins G enhance the mobility of Lysotracker-labelled vesicles in cultured rat astrocytes. Acta Physiologica, 2011, 203, 457-471.	3.8	25
150	Exploring the binding dynamics of BAR proteins. Cellular and Molecular Biology Letters, 2011, 16, 398-411.	7.0	6
151	Dynamic monitoring of cytosolic glucose in single astrocytes. Glia, 2011, 59, 903-913.	4.9	55
152	How to Make a Stable Exocytotic Fusion Pore, Incompetent of Neurotransmitter and Hormone Release from the Vesicle Lumen?. Behavior Research Methods, 2011, 14, 45-61.	4.0	0
153	Munc18-1 Tuning of Vesicle Merger and Fusion Pore Properties. Journal of Neuroscience, 2011, 31, 9055-9066.	3.6	67
154	New Insights into Cytosolic Glucose Levels during Differentiation of 3T3-L1 Fibroblasts into Adipocytes. Journal of Biological Chemistry, 2011, 286, 13370-13381.	3.4	18
155	Physiopathologic dynamics of vesicle traffic in astrocytes. Histology and Histopathology, 2011, 26, 277-84.	0.7	19
156	Gliotransmission: Exocytotic release from astrocytes. Brain Research Reviews, 2010, 63, 83-92.	9.0	329
157	Fusion pore stability of peptidergic vesicles. Molecular Membrane Biology, 2010, 27, 65-80.	2.0	64
158	Analysis of confocal images using variable-width line profiles. Protoplasma, 2010, 246, 73-80.	2.1	1
159	Life and death in aluminium-exposed cultures of rat lactotrophs studied by flow cytometry. Cell Biology and Toxicology, 2010, 26, 341-353.	5.3	3
160	Intermediate filaments attenuate stimulationâ€dependent mobility of endosomes/lysosomes in astrocytes. Glia, 2010, 58, 1208-1219.	4.9	82
161	Caffeine and theophylline block insulinâ€stimulated glucose uptake and PKB phosphorylation in rat skeletal muscles. Acta Physiologica, 2010, 200, 65-74.	3.8	30
162	Challenges with advanced therapy medicinal products and how to meet them. Nature Reviews Drug Discovery, 2010, 9, 195-201.	46.4	191

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163	Induction/Engineering, Detection, Selection, and Expansion of Clinical-Grade Human Antigen-SpecificCD8+Cytotoxic T Cell Clones for Adoptive Immunotherapy. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-15.	3.0	2
164	Fusion Pore: An Evolutionary Invention of Nucleated Cells. European Review, 2010, 18, 347-364.	0.7	5
165	Capacitance Measurements of Regulated Exocytosis in Mouse Taste Cells. Journal of Neuroscience, 2010, 30, 14695-14701.	3.6	36
166	Lipidâ€“protein interactions in exocytotic release of hormones and neurotransmitters. Clinical Lipidology, 2010, 5, 747-761.	0.4	11
167	Regulated exocytosis in astrocytic signal integration. Neurochemistry International, 2010, 57, 451-459.	3.8	56
168	Fused Late Endocytic Compartments and Immunostimulatory Capacity of Dendriticâ€“Tumor Cell Hybridomas. Journal of Membrane Biology, 2009, 229, 11-18.	2.1	7
169	Histolocalisation of the oil and pigments in the pumpkin seed. Annals of Applied Biology, 2009, 154, 413-418.	2.5	10
170	Rhythmic Kinetics of Single Fusion and Fission in a Plant Cell Protoplast. Annals of the New York Academy of Sciences, 2009, 1152, 1-6.	3.8	18
171	Regulated Exocytosis and Vesicle Trafficking in Astrocytes. Annals of the New York Academy of Sciences, 2009, 1152, 30-42.	3.8	36
172	The Fusion Pore and Vesicle Cargo Discharge Modulation. Annals of the New York Academy of Sciences, 2009, 1152, 135-144.	3.8	16
173	Compound Exocytosis in Pituitary Cells. Annals of the New York Academy of Sciences, 2009, 1152, 63-75.	3.8	16
174	Overview: Exocytosis Continues to Amaze Us. Annals of the New York Academy of Sciences, 2009, 1152, ix-xiii.	3.8	0
175	Trafficking of astrocytic vesicles in hippocampal slices. Biochemical and Biophysical Research Communications, 2009, 390, 1192-1196.	2.1	27
176	Sphingosine Facilitates SNARE Complex Assembly and Activates Synaptic Vesicle Exocytosis. Neuron, 2009, 62, 683-694.	8.1	136
177	Trafficking Of Glutamatergic And Peptidergic Vesicles In Astrocytes. Biophysical Journal, 2009, 96, 33a.	0.5	0
178	Fusion Pore Regulation of Peptidergic Vesicles. Biophysical Journal, 2009, 96, 99a.	0.5	0
179	Rosiglitazone Modulates Insulin-Induced Plasma Membrane Area Changes in Single 3T3-L1 Adipocytes. Journal of Membrane Biology, 2008, 223, 141-149.	2.1	3
180	Lateral drift correction in time-laps images by the particle-tracking algorithm. European Biophysics Journal, 2008, 37, 1119-1125.	2.2	4

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181	Adrenaline potentiates insulin-stimulated PKB activation in the rat fast-twitch epitrochlearis muscle without affecting IRS-1-associated PI 3-kinase activity. Pflugers Archiv European Journal of Physiology, 2008, 456, 969-978.	2.8	12
182	Stimulation inhibits the mobility of recycling peptidergic vesicles in astrocytes. Glia, 2008, 56, 135-144.	4.9	55
183	Truth about a plant with many names. Nature, 2008, 452, 934-934.	27.8	2
184	Anterior pituitary cells excited by GABA. Journal of Physiology, 2008, 586, 3023-3024.	2.9	2
185	EAAT2 density at the astrocyte plasma membrane and Ca^{2â€Š+â€Š}-regulated exocytosis. Molecular Membrane Biology, 2008, 25, 203-215.	2.0	40
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