

Robert Zorec

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247
papers

8,420
citations

46
h-index

80
g-index

265
ext. papers

10,065
ext. citations

5.6
avg, IF

6.39
L-index

#	Paper	IF	Citations
247	Glial cells in (patho)physiology. <i>Journal of Neurochemistry</i> , 2012 , 121, 4-27	6	392
246	Reactive astrocyte nomenclature, definitions, and future directions. <i>Nature Neuroscience</i> , 2021 , 24, 312-325	3.5	298
245	Gliotransmission: Exocytotic release from astrocytes. <i>Brain Research Reviews</i> , 2010 , 63, 83-92		289
244	Astrocytes in physiological aging and Alzheimer's disease. <i>Neuroscience</i> , 2016 , 323, 170-82	3.9	238
243	Astrocytes as secretory cells of the central nervous system: idiosyncrasies of vesicular secretion. <i>EMBO Journal</i> , 2016 , 35, 239-57	13	230
242	Astroglial excitability and gliotransmission: an appraisal of Ca ²⁺ as a signalling route. <i>ASN Neuro</i> , 2012 , 4,	5.3	207
241	Fusion-related release of glutamate from astrocytes. <i>Journal of Biological Chemistry</i> , 2004 , 279, 12724-33	3.4	204
240	Exocytotic release of ATP from cultured astrocytes. <i>Journal of Biological Chemistry</i> , 2007 , 282, 28749-28758	5.8	200
239	Inhibition of Rab3B expression attenuates Ca(2+)-dependent exocytosis in rat anterior pituitary cells. <i>Nature</i> , 1993 , 364, 540-4	50.4	195
238	Neuroinfection may contribute to pathophysiology and clinical manifestations of COVID-19. <i>Acta Physiologica</i> , 2020 , 229, e13473	5.6	178
237	Properties of Ca(2+)-dependent exocytosis in cultured astrocytes. <i>Glia</i> , 2004 , 46, 437-45	9	154
236	Challenges with advanced therapy medicinal products and how to meet them. <i>Nature Reviews Drug Discovery</i> , 2010 , 9, 195-201	64.1	140
235	Cytoskeleton and vesicle mobility in astrocytes. <i>Traffic</i> , 2007 , 8, 12-20	5.7	138
234	Sphingosine facilitates SNARE complex assembly and activates synaptic vesicle exocytosis. <i>Neuron</i> , 2009 , 62, 683-94	13.9	121
233	Stratification of astrocytes in healthy and diseased brain. <i>Brain Pathology</i> , 2017 , 27, 629-644	6	117
232	PKH26 labeling of extracellular vesicles: Characterization and cellular internalization of contaminating PKH26 nanoparticles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018 , 1860, 1350-1361	3.8	110
231	Astrocytes negatively regulate neurogenesis through the Jagged1-mediated Notch pathway. <i>Stem Cells</i> , 2012 , 30, 2320-9	5.8	108

230	Calcium-dependent exocytosis of atrial natriuretic peptide from astrocytes. <i>Journal of Neuroscience</i> , 2003 , 23, 1580-3	6.6	107
229	Subnanometer fusion pores in spontaneous exocytosis of peptidergic vesicles. <i>Journal of Neuroscience</i> , 2007 , 27, 4737-46	6.6	91
228	Cytoplasmic calcium stimulates exocytosis in a plant secretory cell. <i>Biophysical Journal</i> , 1992 , 63, 864-7	2.9	85
227	Astroglia dynamics in ageing and Alzheimer's disease. <i>Current Opinion in Pharmacology</i> , 2016 , 26, 74-9	5.1	84
226	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	10.1	84
225	Increased cytosolic calcium stimulates exocytosis in bovine lactotrophs. Direct evidence from changes in membrane capacitance. <i>Journal of General Physiology</i> , 1991 , 97, 473-97	3.4	84
224	Erratum to Fusion Pore Diameter Regulation by Cations Modulating Local Membrane Anisotropy [Scientific World Journal, The, 2012 , 2012, 1-1	2.2	78
223	The fascinating and fleeting world of vesicle dynamics. <i>Journal of Physiology</i> , 2007 , 585, 653-654	3.9	78
222	Vesicle mobility studied in cultured astrocytes. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 329, 678-83	3.4	77
221	Defining pathways of loss and secretion of chemical messengers from astrocytes. <i>Glia</i> , 2004 , 47, 233-40	9	75
220	Intermediate filaments attenuate stimulation-dependent mobility of endosomes/lysosomes in astrocytes. <i>Glia</i> , 2010 , 58, 1208-19	9	73
219	Rapid regulated dense-core vesicle exocytosis requires the CAPS protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 5627-32	11.5	72
218	Dynamics of β -adrenergic/cAMP signaling and morphological changes in cultured astrocytes. <i>Glia</i> , 2014 , 62, 566-79	9	67
217	Ca ²⁺ -dependent mobility of vesicles capturing anti-VGLUT1 antibodies. <i>Experimental Cell Research</i> , 2007 , 313, 3809-18	4.2	63
216	Astrocyte swelling leads to membrane unfolding, not membrane insertion. <i>Journal of Neurochemistry</i> , 2006 , 99, 514-23	6	61
215	Munc18-1 tuning of vesicle merger and fusion pore properties. <i>Journal of Neuroscience</i> , 2011 , 31, 9055-66	6.6	59
214	Slow spontaneous secretion from single large dense-core vesicles monitored in neuroendocrine cells. <i>FASEB Journal</i> , 2004 , 18, 1270-2	0.9	58
213	Rab3 proteins: key players in the control of exocytosis. <i>Trends in Neurosciences</i> , 1994 , 17, 426-32	13.3	58

212	Fusion pore stability of peptidergic vesicles. <i>Molecular Membrane Biology</i> , 2010 , 27, 65-80	3.4	55
211	Memory Formation Shaped by Astroglia. <i>Frontiers in Integrative Neuroscience</i> , 2015 , 9, 56	3.2	54
210	Regulation of AQP4 surface expression via vesicle mobility in astrocytes. <i>Glia</i> , 2013 , 61, 917-28	9	54
209	Regulated exocytosis in astrocytic signal integration. <i>Neurochemistry International</i> , 2010 , 57, 451-9	4.4	54
208	Stimulation inhibits the mobility of recycling peptidergic vesicles in astrocytes. <i>Glia</i> , 2008 , 56, 135-44	9	54
207	Properties of exocytotic response in vertebrate photoreceptors. <i>Journal of Neurophysiology</i> , 2003 , 90, 218-25	3.2	53
206	Cell-attached measurements of attofarad capacitance steps in rat melanotrophs. <i>Pflugers Archiv European Journal of Physiology</i> , 1997 , 434, 212-4	4.6	52
205	Exocytosis in astrocytes: transmitter release and membrane signal regulation. <i>Neurochemical Research</i> , 2012 , 37, 2351-63	4.6	49
204	Excitable Astrocytes: Ca(2+)- and cAMP-Regulated Exocytosis. <i>Neurochemical Research</i> , 2015 , 40, 2414-24.6	4.6	48
203	Astroglial atrophy in Alzheimer's disease. <i>Pflugers Archiv European Journal of Physiology</i> , 2019 , 471, 1247-1261	4.6	47
202	Dynamic monitoring of cytosolic glucose in single astrocytes. <i>Glia</i> , 2011 , 59, 903-13	9	47
201	High-resolution membrane capacitance measurements for the study of exocytosis and endocytosis. <i>Nature Protocols</i> , 2013 , 8, 1169-83	18.8	45
200	Dominant negative SNARE peptides stabilize the fusion pore in a narrow, release-unproductive state. <i>Cellular and Molecular Life Sciences</i> , 2016 , 73, 3719-31	10.3	45
199	Cytosolic chloride ions stimulate Ca(2+)-induced exocytosis in melanotrophs. <i>FEBS Letters</i> , 1992 , 303, 221-3	3.8	43
198	Astrocytic vesicles and gliotransmitters: Slowness of vesicular release and synaptobrevin2-laden vesicle nanoarchitecture. <i>Neuroscience</i> , 2016 , 323, 67-75	3.9	41
197	Astrocytic vesicle mobility in health and disease. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 11238-58	6.3	40
196	Automated high through-put colocalization analysis of multichannel confocal images. <i>Computer Methods and Programs in Biomedicine</i> , 2004 , 74, 63-7	6.9	40
195	Electrophysiological Study of Hormone Secretion by Single Adenohypophyseal Cells. <i>Methods in Neurosciences</i> , 1991 , 4, 194-210		39

194	Ketamine Inhibits ATP-Evoked Exocytotic Release of Brain-Derived Neurotrophic Factor from Vesicles in Cultured Rat Astrocytes. <i>Molecular Neurobiology</i> , 2016 , 53, 6882-6896	6.2	38
193	Single-vesicle architecture of synaptobrevin2 in astrocytes. <i>Nature Communications</i> , 2014 , 5, 3780	17.4	38
192	EAAT2 density at the astrocyte plasma membrane and Ca(2+)-regulated exocytosis. <i>Molecular Membrane Biology</i> , 2008 , 25, 203-15	3.4	38
191	Expression of familial Alzheimer disease presenilin 1 gene attenuates vesicle traffic and reduces peptide secretion in cultured astrocytes devoid of pathologic tissue environment. <i>Glia</i> , 2016 , 64, 317-29 ⁹		38
190	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, 11167-76	5.4	37
189	Enhancement of Astroglial Aerobic Glycolysis by Extracellular Lactate-Mediated Increase in cAMP. <i>Frontiers in Molecular Neuroscience</i> , 2018 , 11, 148	6.1	37
188	cAMP directly facilitates Ca-induced exocytosis in bovine lactotrophs. <i>FEBS Letters</i> , 1990 , 273, 150-4	3.8	37
187	Astrocyte Aquaporin Dynamics in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	37
186	Adrenergic activation attenuates astrocyte swelling induced by hypotonicity and neurotrauma. <i>Glia</i> , 2016 , 64, 1034-49	9	37
185	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, 156-63	4	36
184	Loose excitation-secretion coupling in astrocytes. <i>Glia</i> , 2016 , 64, 655-67	9	36
183	Tick-borne encephalitis virus infects rat astrocytes but does not affect their viability. <i>PLoS ONE</i> , 2014 , 9, e86219	3.7	35
182	Fingolimod--a sphingosine-like molecule inhibits vesicle mobility and secretion in astrocytes. <i>Glia</i> , 2012 , 60, 1406-16	9	34
181	Enteric glia regulate gut motility in health and disease. <i>Brain Research Bulletin</i> , 2018 , 136, 109-117	3.9	33
180	Capacitance measurements of regulated exocytosis in mouse taste cells. <i>Journal of Neuroscience</i> , 2010 , 30, 14695-701	6.6	33
179	Ammodytotoxin, a neurotoxic secreted phospholipase A(2), can act in the cytosol of the nerve cell. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 324, 981-5	3.4	33
178	Rapid pressure driven exocytosis-endocytosis cycle in a single plant cell. Capacitance measurements in aleurone protoplasts. <i>FEBS Letters</i> , 1993 , 333, 283-6	3.8	33
177	Dual effects of G-protein activation on Ca-dependent exocytosis in bovine lactotrophs. <i>FEBS Letters</i> , 1989 , 253, 88-92	3.8	33

176	Metabolic Plasticity of Astrocytes and Aging of the Brain. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	32
175	Noradrenergic Hypothesis Linking Neurodegeneration-Based Cognitive Decline and Astroglia. <i>Frontiers in Molecular Neuroscience</i> , 2018 , 11, 254	6.1	32
174	The separation of exocytosis from endocytosis in rat melanotroph membrane capacitance records. <i>Journal of Physiology</i> , 1994 , 480 (Pt 3), 539-52	3.9	32
173	Fura-2 imaging of thyrotropin-releasing hormone and dopamine effects on calcium homeostasis of bovine lactotrophs. <i>Endocrinology</i> , 1991 , 129, 475-88	4.8	32
172	Astrocytes in Flavivirus Infections. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	31
171	Astrocytes and energy metabolism. <i>Archives of Physiology and Biochemistry</i> , 2011 , 117, 64-9	2.2	31
170	Regulated exocytosis and vesicle trafficking in astrocytes. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1152, 30-42	6.5	31
169	Lysophospholipids prevent binding of a cytolytic protein ostreolysin to cholesterol-enriched membrane domains. <i>Toxicon</i> , 2008 , 51, 1345-56	2.8	31
168	Osmotic swelling of hepatocytes increases membrane conductance but not membrane capacitance. <i>Biophysical Journal</i> , 1995 , 68, 1359-63	2.9	31
167	Cathoporesis paint insulated carbon fibre ultramicro disc electrode and its application to in vivo amperometric monitoring of quantal secretion from single rat melanotrophs. <i>Analytica Chimica Acta</i> , 1999 , 378, 135-143	6.6	30
166	Cholesterol and regulated exocytosis: a requirement for unitary exocytotic events. <i>Cell Calcium</i> , 2012 , 52, 250-8	4	29
165	Synaptotagmin I increases the probability of vesicle fusion at low [Ca ²⁺] in pituitary cells. <i>American Journal of Physiology - Cell Physiology</i> , 2003 , 284, C547-54	5.4	29
164	Transient and permanent fusion of vesicles in Zea mays coleoptile protoplasts measured in the cell-attached configuration. <i>Journal of Membrane Biology</i> , 2000 , 174, 15-20	2.3	29
163	Physiology of Astroglia. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1175, 45-91	3.6	29
162	Astroglial calcium signalling in Alzheimer's disease. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 483, 1005-1012	3.4	28
161	Pathologic potential of astrocytic vesicle traffic: new targets to treat neurologic diseases?. <i>Cell Transplantation</i> , 2015 , 24, 599-612	4	28
160	Vesicle size determines unitary exocytic properties and their sensitivity to sphingosine. <i>Molecular and Cellular Endocrinology</i> , 2013 , 376, 136-47	4.4	28
159	cAMP-mediated stabilization of fusion pores in cultured rat pituitary lactotrophs. <i>Journal of Neuroscience</i> , 2013 , 33, 8068-78	6.6	28

158	Voltage-activated Ca(2+) channels and their role in the endocrine function of the pituitary gland in newborn and adult mice. <i>Journal of Physiology</i> , 2004 , 555, 769-82	3.9	28
157	Control of secretion in anterior pituitary cells--linking ion channels, messengers and exocytosis. <i>Journal of Experimental Biology</i> , 1988 , 139, 287-316	3	28
156	Distinct role of Rab3A and Rab3B in secretory activity of rat melanotrophs. <i>American Journal of Physiology - Cell Physiology</i> , 2007 , 292, C98-105	5.4	27
155	Calcium signalling toolkits in astrocytes and spatio-temporal progression of Alzheimer's disease. <i>Current Alzheimer Research</i> , 2016 , 13, 359-69	3	27
154	Astrocytes with TDP-43 inclusions exhibit reduced noradrenergic cAMP and Ca signaling and dysregulated cell metabolism. <i>Scientific Reports</i> , 2020 , 10, 6003	4.9	26
153	Diffusion of D-glucose measured in the cytosol of a single astrocyte. <i>Cellular and Molecular Life Sciences</i> , 2013 , 70, 1483-92	10.3	26
152	Trafficking of astrocytic vesicles in hippocampal slices. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 390, 1192-6	3.4	25
151	Elementary properties of spontaneous fusion of peptidergic vesicles: fusion pore gating. <i>Journal of Physiology</i> , 2007 , 585, 655-61	3.9	25
150	Intracellular Cl- modulates Ca2+-induced exocytosis from rat melanotrophs through GTP-binding proteins. <i>Pflugers Archiv European Journal of Physiology</i> , 1995 , 431, 76-83	4.6	25
149	Astroglia in Alzheimer's Disease. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1175, 273-324	3.6	25
148	Nestin Regulates Neurogenesis in Mice Through Notch Signaling From Astrocytes to Neural Stem Cells. <i>Cerebral Cortex</i> , 2019 , 29, 4050-4066	5.1	25
147	The role of cholesterol-sphingomyelin membrane nanodomains in the stability of intercellular membrane nanotubes. <i>International Journal of Nanomedicine</i> , 2012 , 7, 1891-902	7.3	24
146	Hypotonicity and peptide discharge from a single vesicle. <i>American Journal of Physiology - Cell Physiology</i> , 2008 , 295, C624-31	5.4	24
145	Apoptosis triggered redistribution of caspase-9 from cytoplasm to mitochondria. <i>FEBS Letters</i> , 2003 , 544, 153-9	3.8	24
144	General Pathophysiology of Astroglia. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1175, 149-179	3.9	24
143	AQP4e-Based Orthogonal Arrays Regulate Rapid Cell Volume Changes in Astrocytes. <i>Journal of Neuroscience</i> , 2017 , 37, 10748-10756	6.6	23
142	Astroglipathology in the infectious insults of the brain. <i>Neuroscience Letters</i> , 2019 , 689, 56-62	3.3	23
141	Raising the cytosolic Ca2+ concentration increases the membrane capacitance of maize coleoptile protoplasts: Evidence for Ca2+-stimulated exocytosis. <i>Planta</i> , 1994 , 195, 305	4.7	23

140	Amyotrophic lateral sclerosis immunoglobulins G enhance the mobility of LysoTracker-labelled vesicles in cultured rat astrocytes. <i>Acta Physiologica</i> , 2011 , 203, 457-71	5.6	22
139	Actin cytoskeleton depolymerization with clostridium spiroforme toxin enhances the secretory activity of rat melanotrophs. <i>Journal of Physiology</i> , 1999 , 521 Pt 2, 389-95	3.9	22
138	Astroglial vesicular network: evolutionary trends, physiology and pathophysiology. <i>Acta Physiologica</i> , 2018 , 222, e12915	5.6	21
137	Fusion pores, SNAREs, and exocytosis. <i>Neuroscientist</i> , 2013 , 19, 160-74	7.6	21
136	Focus-drift correction in time-lapse confocal imaging. <i>Annals of the New York Academy of Sciences</i> , 2005 , 1048, 321-30	6.5	21
135	Calcium signaling and secretion in pituitary cells. <i>Trends in Endocrinology and Metabolism</i> , 1996 , 7, 384-8	8.8	21
134	Physiology of Astroglial Excitability.. <i>Function</i> , 2020 , 1, zqaa016	6.1	21
133	Exocytosis in non-neuronal cells. <i>Journal of Neurochemistry</i> , 2016 , 137, 849-59	6	21
132	Rab4 and Rab5 GTPase are required for directional mobility of endocytic vesicles in astrocytes. <i>Glia</i> , 2012 , 60, 594-604	9	20
131	Alterations of calcium homeostasis in cultured rat astrocytes evoked by bioactive sphingolipids. <i>Acta Physiologica</i> , 2014 , 212, 49-61	5.6	20
130	Caffeine and theophylline block insulin-stimulated glucose uptake and PKB phosphorylation in rat skeletal muscles. <i>Acta Physiologica</i> , 2010 , 200, 65-74	5.6	20
129	Modulation of the unitary exocytic event amplitude by cAMP in rat melanotrophs. <i>Journal of Physiology</i> , 1998 , 511 (Pt 3), 851-9	3.9	20
128	The Concept of Neuroglia. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1175, 1-13	3.6	20
127	Subanesthetic doses of ketamine stabilize the fusion pore in a narrow flickering state in astrocytes. <i>Journal of Neurochemistry</i> , 2016 , 138, 909-17	6	20
126	Prolactin secretion sites contain syntaxin-1 and differ from ganglioside monosialic acid rafts in rat lactotrophs. <i>Endocrinology</i> , 2008 , 149, 4948-57	4.8	19
125	The heterotrimeric Gi(3) protein acts in slow but not in fast exocytosis of rat melanotrophs. <i>Journal of Cell Science</i> , 1999 , 112, 4143-4150	5.3	19
124	Physiopathologic dynamics of vesicle traffic in astrocytes. <i>Histology and Histopathology</i> , 2011 , 26, 277-84	4.4	19
123	Neurotropic Viruses, Astrocytes, and COVID-19. <i>Frontiers in Cellular Neuroscience</i> , 2021 , 15, 662578	6.1	19

122	Astrocytic face of Alzheimer's disease. <i>Behavioural Brain Research</i> , 2017 , 322, 250-257	3.4	18
121	Astrocyte Specific Remodeling of Plasmalemmal Cholesterol Composition by Ketamine Indicates a New Mechanism of Antidepressant Action. <i>Scientific Reports</i> , 2019 , 9, 10957	4.9	18
120	Reduction in C-terminal amidated species of recombinant monoclonal antibodies by genetic modification of CHO cells. <i>BMC Biotechnology</i> , 2014 , 14, 76	3.5	18
119	Distinct effect of actin cytoskeleton disassembly on exo- and endocytic events in a membrane patch of rat melanotrophs. <i>Journal of Physiology</i> , 2002 , 545, 879-86	3.9	18
118	Differences in the expression pattern of HCN isoforms among mammalian tissues: sources and implications. <i>Molecular Biology Reports</i> , 2014 , 41, 297-307	2.8	17
117	Rhythmic kinetics of single fusion and fission in a plant cell protoplast. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1152, 1-6	6.5	17
116	Quantification of cell hybridoma yields with confocal microscopy and flow cytometry. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 314, 717-23	3.4	17
115	Actin cytoskeleton and exocytosis in rat melanotrophs. <i>Pflugers Archiv European Journal of Physiology</i> , 2000 , 439, r148-r149	4.6	17
114	Preventing neurodegeneration by adrenergic astroglial excitation. <i>FEBS Journal</i> , 2018 , 285, 3645-3656	5.7	16
113	Dynamin regulates the fusion pore of endo- and exocytotic vesicles as revealed by membrane capacitance measurements. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 2293-2303	4	16
112	Astrocytic Pathological Calcium Homeostasis and Impaired Vesicle Trafficking in Neurodegeneration. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	16
111	Changes in cytosolic glucose level in ATP stimulated live astrocytes. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 405, 308-13	3.4	16
110	New insights into cytosolic glucose levels during differentiation of 3T3-L1 fibroblasts into adipocytes. <i>Journal of Biological Chemistry</i> , 2011 , 286, 13370-81	5.4	16
109	Unitary exocytotic and endocytotic events in Zea mays L. coleoptile protoplasts. <i>Plant Journal</i> , 2002 , 13, 117-120	6.9	16
108	Neuroglia: Functional Paralysis and Reactivity in Alzheimer's Disease and Other Neurodegenerative Pathologies. <i>Advances in Neurobiology</i> , 2017 , 15, 427-449	2.1	15
107	Hyperpolarization-activated cyclic nucleotide-gated channels and cAMP-dependent modulation of exocytosis in cultured rat lactotrophs. <i>Journal of Neuroscience</i> , 2014 , 34, 15638-47	6.6	15
106	The fusion pore and vesicle cargo discharge modulation. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1152, 135-44	6.5	15
105	Concentration-dependent staining of lactotroph vesicles by FM 4-64. <i>Biophysical Journal</i> , 2005 , 88, 2607-13	4.3	15

104	Astrocytes in rapid ketamine antidepressant action. <i>Neuropharmacology</i> , 2020 , 173, 108158	5.5	14
103	Compound exocytosis in pituitary cells. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1152, 63-75	6.5	14
102	Correlated ATP-induced changes in membrane area and membrane conductance in single rat adipocytes. <i>Annals of the New York Academy of Sciences</i> , 2005 , 1048, 281-6	6.5	14
101	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	2.1	14
100	Time-dependent uptake and trafficking of vesicles capturing extracellular S100B in cultured rat astrocytes. <i>Journal of Neurochemistry</i> , 2016 , 139, 309-323	6	14
99	Monitoring lysosomal fusion in electrofused hybridoma cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008 , 1778, 483-90	3.8	13
98	Astrocytes in heavy metal neurotoxicity and neurodegeneration. <i>Brain Research</i> , 2021 , 1752, 147234	3.7	13
97	ZIKV Strains Differentially Affect Survival of Human Fetal Astrocytes versus Neurons and Traffic of ZIKV-Laden Endocytotic Compartments. <i>Scientific Reports</i> , 2019 , 9, 8069	4.9	12
96	The uptake, retention and clearance of drug-loaded dendrimer nanoparticles in astrocytes - electrophysiological quantification. <i>Biomaterials Science</i> , 2018 , 6, 388-397	7.4	12
95	Immunoglobulins G from patients with sporadic amyotrophic lateral sclerosis affects cytosolic Ca ²⁺ homeostasis in cultured rat astrocytes. <i>Cell Calcium</i> , 2013 , 54, 17-25	4	12
94	Adrenaline potentiates insulin-stimulated PKB activation in the rat fast-twitch epitrochlearis muscle without affecting IRS-1-associated PI 3-kinase activity. <i>Pflugers Archiv European Journal of Physiology</i> , 2008 , 456, 969-78	4.6	12
93	PATHOBIOLOGY OF NEURODEGENERATION: THE ROLE FOR ASTROGLIA 2016 , 1, 13-22		12
92	Gliocrine System: Astroglia as Secretory Cells of the CNS. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1175, 93-115	3.6	12
91	Sphingomimetic multiple sclerosis drug FTY720 activates vesicular synaptobrevin and augments neuroendocrine secretion. <i>Scientific Reports</i> , 2017 , 7, 5958	4.9	11
90	Cholesterol-mediated membrane surface area dynamics in neuroendocrine cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013 , 1831, 1228-38	5	11
89	Astrocytes in stress accumulate lipid droplets. <i>Glia</i> , 2021 , 69, 1540-1562	9	11
88	Astroglial Vesicular Trafficking in Neurodegenerative Diseases. <i>Neurochemical Research</i> , 2017 , 42, 905-917	4.7	10
87	Aluminium-induced changes of fusion pore properties attenuate prolactin secretion in rat pituitary lactotrophs. <i>Neuroscience</i> , 2012 , 201, 57-66	3.9	10

86	Lipid-protein interactions in exocytotic release of hormones and neurotransmitters. <i>Clinical Lipidology</i> , 2010 , 5, 747-761		10
85	Modeling excess retrieval in rat melanotroph membrane capacitance records. <i>Biophysical Journal</i> , 2002 , 82, 226-32	2.9	10
84	Insights into Cell Surface Expression, Supramolecular Organization, and Functions of Aquaporin 4 Isoforms in Astrocytes. <i>Cells</i> , 2020 , 9,	7.9	9
83	Unproductive exocytosis. <i>Journal of Neurochemistry</i> , 2016 , 137, 880-9	6	9
82	Morphological alterations of T24 cells on flat and nanotubular TiO ₂ surfaces. <i>Croatian Medical Journal</i> , 2012 , 53, 577-85	1.6	9
81	Rapid insulin-induced exocytosis in white rat adipocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 2002 , 445, 352-6	4.6	9
80	Exocytosis of large-diameter lysosomes mediates interferon β -induced relocation of MHC class II molecules toward the surface of astrocytes. <i>Cellular and Molecular Life Sciences</i> , 2020 , 77, 3245-3264	10.3	9
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