Giampietro G Schiavo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

219 papers	16,861 citations	67 h-index	125 g-index
274 ext. papers	18,752 ext. citations	9.2 avg, IF	6.45 L-index

#	Paper	IF	Citations
219	Coupling axonal mRNA transport and local translation to organelle maintenance and function.. *Current Opinion in Cell Biology*, **2022**, 74, 97-103	9	1
218	TDP-43 loss and ALS-risk SNPs drive mis-splicing and depletion of UNC13A.. *Nature*, **2022**, 603, 131-137	50.4	14
217	The Role of Extracellular Matrix Components in the Spreading of Pathological Protein Aggregates.. *Frontiers in Cellular Neuroscience*, **2022**, 16, 844211	6.1	3
216	Exceptionally potent human monoclonal antibodies are effective for prophylaxis and treatment of tetanus in mice. *Journal of Clinical Investigation*, **2021**, 131,	15.9	3
215	Kidins220 deficiency causes ventriculomegaly via SNX27-retromer-dependent AQP4 degradation. *Molecular Psychiatry*, **2021**,	15.1	3
214	NMJ-Analyser identifies subtle early changes in mouse models of neuromuscular disease. *Scientific Reports*, **2021**, 11, 12251	4.9	1
213	KnockinPon heavenP3 door: Molecular mechanisms of neuronal tau uptake. *Journal of Neurochemistry*, **2021**, 156, 563-588	6	5
212	Walking the line: mechanisms underlying directional mRNA transport and localisation in neurons and beyond. *Cellular and Molecular Life Sciences*, **2021**, 78, 2665-2681	10.3	5
211	FUS-ALS mutants alter FMRP phase separation equilibrium and impair protein translation. *Science Advances*, **2021**, 7,	14.3	6
210	IGF1R regulates retrograde axonal transport of signalling endosomes in motor neurons. *EMBO Reports*, **2020**, 21, e49129	6.5	8
209	FUS ALS-causative mutations impair FUS autoregulation and splicing factor networks through intron retention. *Nucleic Acids Research*, **2020**, 48, 6889-6905	20.1	24
208	PTPN23 binds the dynein adaptor BICD1 and is required for endocytic sorting of neurotrophin receptors. *Journal of Cell Science*, **2020**, 133,	5.3	4
207	Morphological variability is greater at developing than mature mouse neuromuscular junctions. *Journal of Anatomy*, **2020**, 237, 603-617	2.9	9
206	Mice Carrying ALS Mutant TDP-43, but Not Mutant FUS, Display In Vivo Defects in Axonal Transport of Signaling Endosomes. *Cell Reports*, **2020**, 30, 3655-3662.e2	10.6	21
205	Loss of BICD2 in muscle drives motor neuron loss in a developmental form of spinal muscular atrophy. *Acta Neuropathologica Communications*, **2020**, 8, 34	7.3	17
204	A video protocol for rapid dissection of mouse dorsal root ganglia from defined spinal levels. *BMC Research Notes*, **2020**, 13, 302	2.3	3
203	DYNLRB1 is essential for dynein mediated transport and neuronal survival. *Neurobiology of Disease*, **2020**, 140, 104816	7.5	5

202	Duplication of clostridial binding domains for enhanced macromolecular delivery into neurons. *Toxicon: X*, **2020**, 5, 100019	2.6	
201	Travelling Together: A Unifying Pathomechanism for ALS. *Trends in Neurosciences*, **2020**, 43, 1-2	13.3	6
200	The evolution of the axonal transport toolkit. *Traffic*, **2020**, 21, 13-33	5.7	8
199	Altered Sensory Neuron Development in CMT2D Mice Is Site-Specific and Linked to Increased GlyRS Levels. *Frontiers in Cellular Neuroscience*, **2020**, 14, 232	6.1	4
198	Developmental demands contribute to early neuromuscular degeneration in CMT2D mice. *Cell Death and Disease*, **2020**, 11, 564	9.8	6
197	Potential human transmission of amyloid β pathology: surveillance and risks. *Lancet Neurology, The*, **2020**, 19, 872-878	24.1	23
196	Differential regulation of Kidins220 isoforms in Huntington's disease. *Brain Pathology*, **2020**, 30, 120-136	6	1
195	In Vivo Imaging of Anterograde and Retrograde Axonal Transport in Rodent Peripheral Nerves. *Methods in Molecular Biology*, **2020**, 2143, 271-292	1.4	9
194	Axonal transport and neurological disease. *Nature Reviews Neurology*, **2019**, 15, 691-703	15	95
193	Deacetylation of Miro1 by HDAC6 blocks mitochondrial transport and mediates axon growth inhibition. *Journal of Cell Biology*, **2019**, 218, 1871-1890	7.3	54
192	Spatiotemporal Control of ULK1 Activation by NDP52 and TBK1 during Selective Autophagy. *Molecular Cell*, **2019**, 74, 347-362.e6	17.6	187
191	Retrograde transport of Akt by a neuronal Rab5-APPL1 endosome. *Scientific Reports*, **2019**, 9, 2433	4.9	15
190	TSPAN5 Enriched Microdomains Provide a Platform for Dendritic Spine Maturation through Neuroligin-1 Clustering. *Cell Reports*, **2019**, 29, 1130-1146.e8	10.6	11
189	Functional imaging in microfluidic chambers reveals sensory neuron sensitivity is differentially regulated between neuronal regions. *Pain*, **2018**, 159, 1413-1425	8	2
188	The travel diaries of tetanus and botulinum neurotoxins. *Toxicon*, **2018**, 147, 58-67	2.8	42
187	UBA1/GARS-dependent pathways drive sensory-motor connectivity defects in spinal muscular atrophy. *Brain*, **2018**, 141, 2878-2894	11.2	18
186	The many disguises of the signalling endosome. *FEBS Letters*, **2018**, 592, 3615-3632	3.8	23
185	Inhibiting p38 MAPK alpha rescues axonal retrograde transport defects in a mouse model of ALS. *Cell Death and Disease*, **2018**, 9, 596	9.8	52

184	Mitochondrial deficits and abnormal mitochondrial retrograde axonal transport play a role in the pathogenesis of mutant Hsp27-induced Charcot Marie Tooth Disease. *Human Molecular Genetics*, **2017**, 26, 3313-3326	5.6	31
183	Trk receptor signaling and sensory neuron fate are perturbed in human neuropathy caused by mutations. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E3324-E3333	11.5	44
182	A neuroprotective astrocyte state is induced by neuronal signal EphB1 but fails in ALS models. *Nature Communications*, **2017**, 8, 1164	17.4	65
181	Compartmentalized Signaling in Neurons: From Cell Biology to Neuroscience. *Neuron*, **2017**, 96, 667-679	13.9	73
180	Neuropilin 1 sequestration by neuropathogenic mutant glycyl-tRNA synthetase is permissive to vascular homeostasis. *Scientific Reports*, **2017**, 7, 9216	4.9	16
179	Comparative analyses of glycerotoxin expression unveil a novel structural organization of the bloodworm venom system. *BMC Evolutionary Biology*, **2017**, 17, 64	3	11
178	Methodological advances in imaging intravital axonal transport. *F1000Research*, **2017**, 6, 200	3.6	26
177	Coxsackievirus Adenovirus Receptor Loss Impairs Adult Neurogenesis, Synapse Content, and Hippocampus Plasticity. *Journal of Neuroscience*, **2016**, 36, 9558-71	6.6	21
176	Targeting protein homeostasis in sporadic inclusion body myositis. *Science Translational Medicine*, **2016**, 8, 331ra41	17.5	69
175	A simple, step-by-step dissection protocol for the rapid isolation of mouse dorsal root ganglia. *BMC Research Notes*, **2016**, 9, 82	2.3	66
174	Analysis of Signaling Endosome Composition and Dynamics Using SILAC in Embryonic Stem Cell-Derived Neurons. *Molecular and Cellular Proteomics*, **2016**, 15, 542-57	7.6	24
173	In vivo imaging of axonal transport in murine motor and sensory neurons. *Journal of Neuroscience Methods*, **2016**, 257, 26-33	3	37
172	Mon1-Ccz1 activates Rab7 only on late endosomes and dissociates from the lysosome in mammalian cells. *Journal of Cell Science*, **2016**, 129, 329-40	5.3	32
171	Neuronal retrograde transport of Borna disease virus occurs in signalling endosomes. *Journal of General Virology*, **2016**, 97, 3215-3224	4.9	5
170	The Dynamic Localization of Cytoplasmic Dynein in Neurons Is Driven by Kinesin-1. *Neuron*, **2016**, 90, 1000-15	13.9	67
169	Regulation of Axonal Transport by Protein Kinases. *Trends in Biochemical Sciences*, **2015**, 40, 597-610	10.3	75
168	Modeling human neural functionality in vitro: three-dimensional culture for dopaminergic differentiation. *Tissue Engineering - Part A*, **2015**, 21, 654-68	3.9	33
167	Novel Kidins220/ARMS Splice Isoforms: Potential Specific Regulators of Neuronal and Cardiovascular Development. *PLoS ONE*, **2015**, 10, e0129944	3.7	9

166	Uptake and transport of clostridial neurotoxins **2015**, 337-360		2
165	DYNC1H1 mutation alters transport kinetics and ERK1/2-cFos signalling in a mouse model of distal spinal muscular atrophy. *Brain*, **2014**, 137, 1883-93	11.2	15
164	Dysregulation of gene expression as a cause of Cockayne syndrome neurological disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 14454-9	11.5	57
163	Rabies virus envelope glycoprotein targets lentiviral vectors to the axonal retrograde pathway in motor neurons. *Journal of Biological Chemistry*, **2014**, 289, 16148-63	5.4	26
162	siRNA screen of ES cell-derived motor neurons identifies novel regulators of tetanus toxin and neurotrophin receptor trafficking. *Frontiers in Cellular Neuroscience*, **2014**, 8, 140	6.1	12
161	Bicaudal-D1 regulates the intracellular sorting and signalling of neurotrophin receptors. *EMBO Journal*, **2014**, 33, 1582-98	13	28
160	TiME for TMEM106B. *EMBO Journal*, **2014**, 33, 405-6	13	1
159	Tetanus toxin entry. Nidogens are therapeutic targets for the prevention of tetanus. *Science*, **2014**, 346, 1118-23	33.3	47
158	Signalling endosomes in axonal transport: travel updates on the molecular highway. *Seminars in Cell and Developmental Biology*, **2014**, 27, 32-43	7.5	61
157	Disruption of the coxsackievirus and adenovirus receptor-homodimeric interaction triggers lipid microdomain- and dynamin-dependent endocytosis and lysosomal targeting. *Journal of Biological Chemistry*, **2014**, 289, 680-95	5.4	35
156	Cytoplasmic dynein heavy chain: the servant of many masters. *Trends in Neurosciences*, **2013**, 36, 641-51	13.3	91
155	Evidence-based review and assessment of botulinum neurotoxin for the treatment of secretory disorders. *Toxicon*, **2013**, 67, 141-52	2.8	69
154	Synthetic self-assembling clostridial chimera for modulation of sensory functions. *Bioconjugate Chemistry*, **2013**, 24, 1750-9	6.3	25
153	Charcot-Marie-Tooth type 2B disease-causing RAB7A mutant proteins show altered interaction with the neuronal intermediate filament peripherin. *Acta Neuropathologica*, **2013**, 125, 257-72	14.3	37
152	Botulinum neurotoxins: mechanism of action. *Toxicon*, **2013**, 67, 87-93	2.8	58
151	Evidence-based review and assessment of botulinum neurotoxin for the treatment of urologic conditions. *Toxicon*, **2013**, 67, 129-40	2.8	24
150	Alternative fates of newly formed PrPSc upon prion conversion on the plasma membrane. *Journal of Cell Science*, **2013**, 126, 3552-62	5.3	58
149	The elusive compass of clostridial neurotoxins: deciding when and where to go?. *Current Topics in Microbiology and Immunology*, **2013**, 364, 91-113	3.3	29

148	A motor-driven mechanism for cell-length sensing. *Cell Reports*, **2012**, 1, 608-16	10.6	41
147	Genetic Insights into Mammalian Cytoplasmic Dynein Function Provided by Novel Mutations in the Mouse **2012**, 482-503		
146	Kidins220/ARMS is a novel modulator of short-term synaptic plasticity in hippocampal GABAergic neurons. *PLoS ONE*, **2012**, 7, e35785	3.7	11
145	Activated leukocyte cell adhesion molecule modulates neurotrophin signaling. *Journal of Neurochemistry*, **2012**, 121, 575-86	6	14
144	Kidins220/ARMS mediates the integration of the neurotrophin and VEGF pathways in the vascular and nervous systems. *Cell Death and Differentiation*, **2012**, 19, 194-208	12.7	47
143	Botulinum neurotoxins A and E undergo retrograde axonal transport in primary motor neurons. *PLoS Pathogens*, **2012**, 8, e1003087	7.6	118
142	Kidins220/ARMS as a functional mediator of multiple receptor signalling pathways. *Journal of Cell Science*, **2012**, 125, 1845-54	5.3	45
141	The Elusive Compass of Clostridial Neurotoxins: Deciding When and Where to Go?. *Current Topics in Microbiology and Immunology*, **2012**, 91-113	3.3	3
140	CSN complex controls the stability of selected synaptic proteins via a torsinA-dependent process. *EMBO Journal*, **2011**, 30, 181-93	13	31
139	Kidins220/ARMS is an essential modulator of cardiovascular and nervous system development. *Cell Death and Disease*, **2011**, 2, e226	9.8	38
138	Re-assembled botulinum neurotoxin inhibits CNS functions without systemic toxicity. *Toxins*, **2011**, 3, 345-55	4.9	24
137	Absence of disturbed axonal transport in spinal and bulbar muscular atrophy. *Human Molecular Genetics*, **2011**, 20, 1776-86	5.6	44
136	ADP ribosylation factor 6 (ARF6) controls amyloid precursor protein (APP) processing by mediating the endosomal sorting of BACE1. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, E559-68	11.5	169
135	The more, the better: the BICD family gets bigger. *EMBO Journal*, **2010**, 29, 1625-6	13	9
134	A hitchhiker's guide to the nervous system: the complex journey of viruses and toxins. *Nature Reviews Microbiology*, **2010**, 8, 645-55	22.2	129
133	Modification of superoxide dismutase 1 (SOD1) properties by a GFP tag--implications for research into amyotrophic lateral sclerosis (ALS). *PLoS ONE*, **2010**, 5, e9541	3.7	52
132	Kidins220/ARMS regulates Rac1-dependent neurite outgrowth by direct interaction with the RhoGEF Trio. *Journal of Cell Science*, **2010**, 123, 2111-23	5.3	46
131	Sustained synaptic-vesicle recycling by bulk endocytosis contributes to the maintenance of high-rate neurotransmitter release stimulated by glycerotoxin. *Journal of Cell Science*, **2010**, 123, 1131-40	5.3	22

130	Deficits in axonal transport precede ALS symptoms in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 20523-8	11.5	279
129	TorsinA and DYT1 dystonia: a synaptopathy?. *Biochemical Society Transactions*, **2010**, 38, 452-6	5.1	13
128	Ligand-independent signaling by disulfide-crosslinked dimers of the p75 neurotrophin receptor. *Journal of Cell Science*, **2009**, 122, 3351-7	5.3	48
127	Activation of MDA5 requires higher-order RNA structures generated during virus infection. *Journal of Virology*, **2009**, 83, 10761-9	6.6	321
126	Receptor-dependent and -independent axonal retrograde transport of poliovirus in motor neurons. *Journal of Virology*, **2009**, 83, 4995-5004	6.6	40
125	Immunocytochemical techniques reveal multiple, distinct cellular pools of PtdIns4P and PtdIns(4,5)P(2). *Biochemical Journal*, **2009**, 422, 23-35	3.8	216
124	CAR-associated vesicular transport of an adenovirus in motor neuron axons. *PLoS Pathogens*, **2009**, 5, e1000442	7.6	94
123	TorsinA and dystonia: from nuclear envelope to synapse. *Journal of Neurochemistry*, **2009**, 109, 1596-609	6	45
122	Analysis of lectin binding to glycolipid complexes using combinatorial glycoarrays. *Glycobiology*, **2009**, 19, 789-96	5.8	52
121	Central effects of tetanus and botulinum neurotoxins. *Toxicon*, **2009**, 54, 593-9	2.8	82
120	Activation of the p75 neurotrophin receptor through conformational rearrangement of disulphide-linked receptor dimers. *Neuron*, **2009**, 62, 72-83	13.9	115
119	Gene expression profile of quinacrine-cured prion-infected mouse neuronal cells. *Journal of Neurochemistry*, **2008**, 105, 239-50	6	12
118	Molecular landmarks along the axonal route: axonal transport in health and disease. *Current Opinion in Cell Biology*, **2008**, 20, 445-53	9	73
117	Liaisons dangereuses: autophagy, neuronal survival and neurodegeneration. *Current Opinion in Neurobiology*, **2008**, 18, 504-15	7.6	72
116	The dystonia-associated protein torsinA modulates synaptic vesicle recycling. *Journal of Biological Chemistry*, **2008**, 283, 7568-79	5.4	85
115	Coordinated regulation of AP2 uncoating from clathrin-coated vesicles by rab5 and hRME-6. *Journal of Cell Biology*, **2008**, 183, 499-511	7.3	86
114	Polyphosphoinositol lipids: under-PPInning synaptic function in health and disease. *Developmental Neurobiology*, **2007**, 67, 1232-47	3.2	12
113	Spastin and microtubules: Functions in health and disease. *Journal of Neuroscience Research*, **2007**, 85, 2778-82	4.4	59

112	Interaction of tau protein with the dynactin complex. *EMBO Journal*, **2007**, 26, 4546-54	13	150
111	The phagocytic capacity of neurones. *European Journal of Neuroscience*, **2007**, 25, 2947-55	3.5	30
110	Neurotrophins Redirect p75NTR from a clathrin-independent to a clathrin-dependent endocytic pathway coupled to axonal transport. *Traffic*, **2007**, 8, 1736-1749	5.7	66
109	Calcium influx and mitochondrial alterations at synapses exposed to snake neurotoxins or their phospholipid hydrolysis products. *Journal of Biological Chemistry*, **2007**, 282, 11238-45	5.4	51
108	Large-scale pathways-based association study in amyotrophic lateral sclerosis. *Brain*, **2007**, 130, 2292-301	11.2	29
107	Kidins220/ARMS is transported by a kinesin-1-based mechanism likely to be involved in neuronal differentiation. *Molecular Biology of the Cell*, **2007**, 18, 142-52	3.5	49
106	Tetanus toxin is internalized by a sequential clathrin-dependent mechanism initiated within lipid microdomains and independent of epsin1. *Journal of Cell Biology*, **2006**, 174, 459-71	7.3	109
105	Uptake and transport of Clostridium neurotoxins **2006**, 390-408		9
104	Elimination of plasma membrane phosphatidylinositol (4,5)-bisphosphate is required for exocytosis from mast cells. *Journal of Cell Science*, **2006**, 119, 2084-94	5.3	56
103	Rab5 and Rab7 control endocytic sorting along the axonal retrograde transport pathway. *Neuron*, **2006**, 52, 293-305	13.9	361
102	Glycerotoxin stimulates neurotransmitter release from N-type Ca2+ channel expressing neurons. *Journal of Neurochemistry*, **2006**, 98, 894-904	6	13
101	The SOD1 transgene in the G93A mouse model of amyotrophic lateral sclerosis lies on distal mouse chromosome 12. *Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders*, **2005**, 6, 111-4		19
100	Equivalent effects of snake PLA2 neurotoxins and lysophospholipid-fatty acid mixtures. *Science*, **2005**, 310, 1678-80	33.3	157
99	Human spastin has multiple microtubule-related functions. *Journal of Neurochemistry*, **2005**, 95, 1411-20	6	51
98	SNARE complexes and neuroexocytosis: how many, how close?. *Trends in Biochemical Sciences*, **2005**, 30, 367-72	10.3	141
97	Mutant torsinA, which causes early-onset primary torsion dystonia, is redistributed to membranous structures enriched in vesicular monoamine transporter in cultured human SH-SY5Y cells. *Movement Disorders*, **2005**, 20, 432-440	7	41
96	A mutation in dynein rescues axonal transport defects and extends the life span of ALS mice. *Journal of Cell Biology*, **2005**, 169, 561-7	7.3	198
95	Tetanus toxin is transported in a novel neuronal compartment characterized by a specialized pH regulation. *Journal of Biological Chemistry*, **2005**, 280, 42336-44	5.4	75

94	Spatially distinct binding of Cdc42 to PAK1 and N-WASP in breast carcinoma cells. *Molecular and Cellular Biology*, **2005**, 25, 1680-95	4.8	84
93	Phosphatidylinositol 3-kinase C2alpha is essential for ATP-dependent priming of neurosecretory granule exocytosis. *Molecular Biology of the Cell*, **2005**, 16, 4841-51	3.5	100
92	Endocytosis and retrograde axonal traffic in motor neurons. *Biochemical Society Symposia*, **2005**, 139-50		24
91	Motors, adaptors, and receptors: key elements of neuronal transport. *Journal of Neurobiology*, **2004** , 58, 161-3		1
90	Snake presynaptic neurotoxins with phospholipase A2 activity induce punctate swellings of neurites and exocytosis of synaptic vesicles. *Journal of Cell Science*, **2004**, 117, 3561-70	5.3	60
89	Presynaptic receptor arrays for clostridial neurotoxins. *Trends in Microbiology*, **2004**, 12, 442-6	12.4	134
88	Functional recycling of C2 domains throughout evolution: a comparative study of synaptotagmin, protein kinase C and phospholipase C by sequence, structural and modelling approaches. *Journal of Molecular Biology*, **2003**, 333, 621-39	6.5	28
87	VAMP/synaptobrevin cleavage by tetanus and botulinum neurotoxins is strongly enhanced by acidic liposomes. *FEBS Letters*, **2003**, 542, 132-6	3.8	27
86	The journey of tetanus and botulinum neurotoxins in neurons. *Trends in Microbiology*, **2003**, 11, 431-7	12.4	176
85	Myosin Va and microtubule-based motors are required for fast axonal retrograde transport of tetanus toxin in motor neurons. *Journal of Cell Science*, **2003**, 116, 4639-50	5.3	73
84	Mutations in dynein link motor neuron degeneration to defects in retrograde transport. *Science*, **2003**, 300, 808-12	33.3	577
83	Long chain polyunsaturated fatty acids are required for efficient neurotransmission in C. elegans. *Journal of Cell Science*, **2003**, 116, 4965-75	5.3	116
82	Botulinum neurotoxins: from paralysis to recovery of functional neuromuscular transmission. *Journal of Physiology (Paris)*, **2002**, 96, 105-13		162
81	Glycerotoxin from Glycera convoluta stimulates neurosecretion by up-regulating N-type Ca2+ channel activity. *EMBO Journal*, **2002**, 21, 6733-43	13	45
80	Purification and characterization of the human elongator complex. *Journal of Biological Chemistry*, **2002**, 277, 3047-52	5.4	191
79	Analysis of retrograde transport in motor neurons reveals common endocytic carriers for tetanus toxin and neurotrophin receptor p75NTR. *Journal of Cell Biology*, **2002**, 156, 233-9	7.3	148
78	Lipid microdomains are involved in neurospecific binding and internalisation of clostridial neurotoxins. *International Journal of Medical Microbiology*, **2002**, 291, 447-53	3.7	18
77	The bacterial toxin toolkit. *Nature Reviews Molecular Cell Biology*, **2001**, 2, 530-7	48.7	124

76	Lipid rafts act as specialized domains for tetanus toxin binding and internalization into neurons. *Molecular Biology of the Cell*, **2001**, 12, 2947-60	3.5	142
75	Direct interaction of the Rab3 effector RIM with Ca2+ channels, SNAP-25, and synaptotagmin. *Journal of Biological Chemistry*, **2001**, 276, 32756-62	5.4	165
74	The subcellular distribution of GABARAP and its ability to interact with NSF suggest a role for this protein in the intracellular transport of GABA(A) receptors. *Molecular and Cellular Neurosciences*, **2001**, 18, 13-25	4.8	200
73	Phosphoinositides as key regulators of synaptic function. *Neuron*, **2001**, 32, 9-12	13.9	60
72	Tetanus and botulinum neurotoxins: turning bad guys into good by research. *Toxicon*, **2001**, 39, 27-41	2.8	135
71	Nuclear PtdIns(4,5)P2 assembles in a mitotically regulated particle involved in pre-mRNA splicing. *Journal of Cell Science*, **2001**, 114, 2501-2511	5.3	163
70	Tetanus toxin fragment C binds to a protein present in neuronal cell lines and motoneurons. *Journal of Neurochemistry*, **2000**, 74, 1941-50	6	72
69	C-terminal half of tetanus toxin fragment C is sufficient for neuronal binding and interaction with a putative protein receptor. *Biochemical Journal*, **2000**, 347, 199	3.8	29
68	Analysis of mutants of tetanus toxin Hc fragment: ganglioside binding, cell binding and retrograde axonal transport properties. *Molecular Microbiology*, **2000**, 37, 1041-51	4.1	66
67	Analysis of mutants of tetanus toxin HC fragment: ganglioside binding, cell binding and retrograde axonal transport properties. *Molecular Microbiology*, **2000**, 38, 916-916	4.1	
66	Neurotoxins affecting neuroexocytosis. *Physiological Reviews*, **2000**, 80, 717-66	47.9	1014
65	Identification and cloning of Kidins220, a novel neuronal substrate of protein kinase D. *Journal of Biological Chemistry*, **2000**, 275, 40048-56	5.4	121
64	C-terminal half of tetanus toxin fragment C is sufficient for neuronal binding and interaction with a putative protein receptor. *Biochemical Journal*, **2000**, 347, 199-204	3.8	74
63	Bacterial toxins with intracellular protease activity. *Clinica Chimica Acta*, **2000**, 291, 189-99	6.2	24
62	Calcium-dependent oligomerization of synaptotagmins I and II. Synaptotagmins I and II are localized on the same synaptic vesicle and heterodimerize in the presence of calcium. *Journal of Biological Chemistry*, **1999**, 274, 59-66	5.4	91
61	An NSF function distinct from ATPase-dependent SNARE disassembly is essential for Golgi membrane fusion. *Nature Cell Biology*, **1999**, 1, 335-40	23.4	55
60	Tetanus and botulinum neurotoxins: mechanism of action and therapeutic uses. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **1999**, 354, 259-68	5.8	214
59	Neuronal bullet. *Trends in Microbiology*, **1998**, 6, 136	12.4	

58	Synaptotagmins: more isoforms than functions?. *Biochemical and Biophysical Research Communications*, **1998**, 248, 1-8	3.4	101
57	ADP-ribosylation factor and phosphatidic acid levels in Golgi membranes during budding of coatomer-coated vesicles. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 13676-80	11.5	49
56	Molecular analysis of neurotransmitter release. *Essays in Biochemistry*, **1998**, 33, 29-41	7.6	11
55	Metal substitution of tetanus neurotoxin. *Biochemical Journal*, **1997**, 322 (Pt 2), 507-10	3.8	22
54	Binding of the synaptic vesicle v-SNARE, synaptotagmin, to the plasma membrane t-SNARE, SNAP-25, can explain docked vesicles at neurotoxin-treated synapses. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 997-1001	11.5	266
53	The Structure and Mode of Action of Botulinum and Tetanus Toxins **1997**, 295-322		4
52	Calcium-dependent switching of the specificity of phosphoinositide binding to synaptotagmin. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 13327-32	11.5	270
51	Synaptic vesicle endocytosis mediates the entry of tetanus neurotoxin into hippocampal neurons. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 13310-5	11.5	118
50	Botulinum neurotoxins: mechanism of action and therapeutic applications. *Trends in Molecular Medicine*, **1996**, 2, 418-24		67
49	Bacterial protein toxins and cell vesicle trafficking. *Experientia*, **1996**, 52, 1026-32		15
48	X-ray absorption spectroscopy study of zinc coordination in tetanus neurotoxin, astacin, alkaline protease and thermolysin. *FEBS Journal*, **1996**, 235, 606-12		18
47	Common and distinct fusion proteins in axonal growth and transmitter release. *Journal of Comparative Neurology*, **1996**, 367, 222-34	3.4	172
46	The mechanism of action of tetanus and botulinum neurotoxins. *Archives of Toxicology Supplement*, **1996**, 18, 342-54		47
45	Phosphorylation of VAMP/synaptobrevin in synaptic vesicles by endogenous protein kinases. *Journal of Neurochemistry*, **1995**, 65, 1712-20	6	75
44	A possible docking and fusion particle for synaptic transmission. *Nature*, **1995**, 378, 733-6	50.4	167
43	Botulinum neurotoxin type C cleaves a single Lys-Ala bond within the carboxyl-terminal region of syntaxins. *Journal of Biological Chemistry*, **1995**, 270, 10566-70	5.4	226
42	Structure and function of tetanus and botulinum neurotoxins. *Quarterly Reviews of Biophysics*, **1995** , 28, 423-72	7	376
41	Tetanus and botulism neurotoxins: isolation and assay. *Methods in Enzymology*, **1995**, 248, 643-52	1.7	68

40	Structural Studies on the Zinc-endopeptidase Light Chain of Tetanus Neurotoxin. *FEBS Journal*, **1995**, 229, 61-69		
39	Structural studies on the zinc-endopeptidase light chain of tetanus neurotoxin. *FEBS Journal*, **1995**, 229, 61-9		20
38	Clostridial neurotoxins as tools to investigate the molecular events of neurotransmitter release. *Seminars in Cell Biology*, **1994**, 5, 221-9		85
37	Zinc content of the Bacillus anthracis lethal factor. *FEMS Microbiology Letters*, **1994**, 124, 343-8	2.9	48
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3	ALS mice carrying pathological mutant TDP-43, but not mutant FUS, display axonal transport defects in vivo	4
2	FUS ALS-causative mutations impact FUS autoregulation and the processing of RNA-binding proteins through intron retention	1
1	Common ALS/FTD risk variants in UNC13A exacerbate its cryptic splicing and loss upon TDP-43 mislocalization	7