

Hereditary spastic paraplegias: membrane traffic and th

Nature Reviews Neuroscience

12, 31-42

DOI: [10.1038/nrn2946](https://doi.org/10.1038/nrn2946)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Mendelian Disorders of Membrane Trafficking. <i>New England Journal of Medicine</i> , 2011, 365, 927-938.	13.9	100
2	Neuronal protein trafficking: Emerging consequences of endoplasmic reticulum dynamics. <i>Molecular and Cellular Neurosciences</i> , 2011, 48, 269-277.	1.0	17
3	Fusing a lasting relationship between ER tubules. <i>Trends in Cell Biology</i> , 2011, 21, 416-423.	3.6	26
4	Balancing ER dynamics: shaping, bending, severing, and mending membranes. <i>Current Opinion in Cell Biology</i> , 2011, 23, 435-442.	2.6	55
5	Targeted High-Throughput Sequencing Identifies Mutations in atlastin-1 as a Cause of Hereditary Sensory Neuropathy Type I. <i>American Journal of Human Genetics</i> , 2011, 88, 99-105.	2.6	123
6	A nullimorphic ERLIN2 mutation defines a complicated hereditary spastic paraplegia locus (SPG18). <i>Neurogenetics</i> , 2011, 12, 333-336.	0.7	67
7	Genetics of Hereditary Spastic Paraplegias. <i>Seminars in Neurology</i> , 2011, 31, 484-493.	0.5	125
8	Spastic paraplegia in 'dominant optic atrophy plus' phenotype due to OPA1 mutation. <i>Brain</i> , 2011, 134, e195-e195.	3.7	18
9	The Fifth Adaptor Protein Complex. <i>PLoS Biology</i> , 2011, 9, e1001170.	2.6	241
10	Disruption of Axonal Transport in Motor Neuron Diseases. <i>International Journal of Molecular Sciences</i> , 2012, 13, 1225-1238.	1.8	70
11	Spg20 ^Δ /Δ ⁺ mice reveal multimodal functions for Troyer syndrome protein spartin in lipid droplet maintenance, cytokinesis and BMP signaling. <i>Human Molecular Genetics</i> , 2012, 21, 3604-3618.	1.4	54
12	Mitochondrial quality control: a matter of life and death for neurons. <i>EMBO Journal</i> , 2012, 31, 1336-1349.	3.5	335
13	Spastic Paraplegia Mutation N256S in the Neuronal Microtubule Motor KIF5A Disrupts Axonal Transport in a Drosophila HSP Model. <i>PLoS Genetics</i> , 2012, 8, e1003066.	1.5	50
14	Phosphoinositides Differentially Regulate Protrudin Localization through the FYVE Domain. <i>Journal of Biological Chemistry</i> , 2012, 287, 41268-41276.	1.6	33
15	Reticulon-like-1, the Drosophila orthologue of the Hereditary Spastic Paraplegia gene reticulon 2, is required for organization of endoplasmic reticulum and of distal motor axons. <i>Human Molecular Genetics</i> , 2012, 21, 3356-3365.	1.4	71
16	Inherited Myelopathies. <i>Seminars in Neurology</i> , 2012, 32, 114-122.	0.5	8
17	Membrane trafficking and transport: Overview and neurologic implications. <i>Neurology</i> , 2012, 79, 1288-1295.	1.5	5
18	Spastic paraplegia gene 7 in patients with spasticity and/or optic neuropathy. <i>Brain</i> , 2012, 135, 2980-2993.	3.7	148

#	ARTICLE	IF	CITATIONS
19	Microtubule-targeting drugs rescue axonal swellings in cortical neurons from spastin knock-out mice. <i>DMM Disease Models and Mechanisms</i> , 2013, 6, 72-83.	1.2	86
20	The retromer complex – endosomal protein recycling and beyond. <i>Journal of Cell Science</i> , 2012, 125, 4693-702.	1.2	377
21	Mutations in DDHD2, Encoding an Intracellular Phospholipase A1, Cause a Recessive Form of Complex Hereditary Spastic Paraplegia. <i>American Journal of Human Genetics</i> , 2012, 91, 1073-1081.	2.6	159
22	Endoplasmic reticulum–mitochondria contacts: function of the junction. <i>Nature Reviews Molecular Cell Biology</i> , 2012, 13, 607-615.	16.1	780
23	Unconventional functions of microtubule motors. <i>Archives of Biochemistry and Biophysics</i> , 2012, 520, 17-29.	1.4	11
24	Recruitment of the endosomal WASH complex is mediated by the extended –tail™ of Fam21 binding to the retromer protein Vps35. <i>Biochemical Journal</i> , 2012, 442, 209-220.	1.7	200
25	Aging and functional brain networks. <i>Molecular Psychiatry</i> , 2012, 17, 549-558.	4.1	509
26	Pathologies of axonal transport in neurodegenerative diseases. <i>Translational Neuroscience</i> , 2012, 3, 355-372.	0.7	73
27	Alteration of Fatty-Acid-Metabolizing Enzymes Affects Mitochondrial Form and Function in Hereditary Spastic Paraplegia. <i>American Journal of Human Genetics</i> , 2012, 91, 1051-1064.	2.6	179
28	ATXN2 with intermediate-length CAG/CAA repeats does not seem to be a risk factor in hereditary spastic paraplegia. <i>Journal of the Neurological Sciences</i> , 2012, 321, 100-102.	0.3	7
29	Cellular Pathways of Hereditary Spastic Paraplegia. <i>Annual Review of Neuroscience</i> , 2012, 35, 25-47.	5.0	258
30	Three Routes to Suppression of the Neurodegenerative Phenotypes Caused by Kinesin Heavy Chain Mutations. <i>Genetics</i> , 2012, 192, 173-183.	1.2	17
31	Retinal nerve fibre layer loss in hereditary spastic paraplegias is restricted to complex phenotypes. <i>BMC Neurology</i> , 2012, 12, 143.	0.8	20
32	Transcriptional and Post-Transcriptional Regulation of SPAST, the Gene Most Frequently Mutated in Hereditary Spastic Paraplegia. <i>PLoS ONE</i> , 2012, 7, e36505.	1.1	21
33	Resting functional connectivity of language networks: characterization and reproducibility. <i>Molecular Psychiatry</i> , 2012, 17, 841-854.	4.1	217
34	Role of spastin and protrudin in neurite outgrowth. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 2296-2307.	1.2	24
35	The axonal transport of mitochondria. <i>Journal of Cell Science</i> , 2012, 125, 2095-104.	1.2	595
36	Characterization of maspardin, responsible for human Mast syndrome, in an insect species and analysis of its evolution in metazoans. <i>Die Naturwissenschaften</i> , 2012, 99, 537-543.	0.6	1

#	ARTICLE	IF	CITATIONS
37	Axonal transport deficit in a KIF5A “/â€” mouse model. <i>Neurogenetics</i> , 2012, 13, 169-179.	0.7	64
38	The AAA ATPase spastin links microtubule severing to membrane modelling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 192-197.	1.9	66
39	Genetic insights into the causes and classification of the cerebral palsies. <i>Lancet Neurology</i> , The, 2012, 11, 283-292.	4.9	141
40	At the Crossroads of Chemistry and Cell Biology: Inhibiting Membrane Traffic by Small Molecules. <i>Traffic</i> , 2012, 13, 495-504.	1.3	56
41	The synaptic cytoskeleton in development and disease. <i>Developmental Neurobiology</i> , 2012, 72, 111-125.	1.5	49
42	Neurodegeneration as a consequence of failed mitochondrial maintenance. <i>Acta Neuropathologica</i> , 2012, 123, 157-171.	3.9	169
43	Novel <scp>SPG</scp>10 mutation associated with dysautonomia, spinal cord atrophy, and skin biopsy abnormality. <i>European Journal of Neurology</i> , 2013, 20, 398-401.	1.7	10
44	Hereditary Spastic Paraplegia. , 2013, , 1-54.		0
45	Late onset motoneuron disorder caused by mitochondrial Hsp60 chaperone deficiency in mice. <i>Neurobiology of Disease</i> , 2013, 54, 12-23.	2.1	44
46	Identification of pathogenic gene variants in small families with intellectually disabled siblings by exome sequencing. <i>Journal of Medical Genetics</i> , 2013, 50, 802-811.	1.5	93
47	Releasing the brake: restoring fast axonal transport in neurodegenerative disorders. <i>Trends in Cell Biology</i> , 2013, 23, 634-643.	3.6	66
48	Protrudin binds atlastins and endoplasmic reticulum-shaping proteins and regulates network formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 14954-14959.	3.3	60
49	Electrophysiological characterisation of motor and sensory tracts in patients with hereditary spastic paraplegia (HSP). <i>Orphanet Journal of Rare Diseases</i> , 2013, 8, 158.	1.2	31
50	Hereditary Spastic Paraplegia Type 43 (SPG43) is Caused by Mutation in<i>C19orf12</i>. <i>Human Mutation</i> , 2013, 34, 1357-1360.	1.1	79
51	Neuronal phospholipid deacylation is essential for axonal and synaptic integrity. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013, 1831, 633-641.	1.2	25
52	Overlapping molecular pathological themes link Charcotâ€”Marieâ€”Tooth neuropathies and hereditary spastic paraplegias. <i>Experimental Neurology</i> , 2013, 246, 14-25.	2.0	64
53	Characterization of the Drosophila Atlastin Interactome Reveals VCP as a Functionally Related Interactor. <i>Journal of Genetics and Genomics</i> , 2013, 40, 297-306.	1.7	11
54	Hereditary spastic paraplegia-causing mutations in atlastin-1 interfere with BMPRII trafficking. <i>Molecular and Cellular Neurosciences</i> , 2013, 52, 87-96.	1.0	32

#	ARTICLE	IF	CITATIONS
55	Spartin Regulates Synaptic Growth and Neuronal Survival by Inhibiting BMP-Mediated Microtubule Stabilization. <i>Neuron</i> , 2013, 77, 680-695.	3.8	97
56	ER structure and function. <i>Current Opinion in Cell Biology</i> , 2013, 25, 428-433.	2.6	155
57	The hereditary spastic paraplegia protein strumpellin: Characterisation in neurons and of the effect of disease mutations on WASH complex assembly and function. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 160-173.	1.8	41
58	A patient-derived stem cell model of hereditary spastic paraplegia with <i>SPAST</i> mutations. <i>DMM Disease Models and Mechanisms</i> , 2013, 6, 489-502.	1.2	55
59	Defective autophagy in spastizin mutated patients with hereditary spastic paraparesis type 15. <i>Brain</i> , 2013, 136, 3119-3139.	3.7	74
60	Mutations in <i>B4GALNT1</i> (GM2 synthase) underlie a new disorder of ganglioside biosynthesis. <i>Brain</i> , 2013, 136, 3618-3624.	3.7	115
61	Role of Kinesin-1 in the Pathogenesis of SPG10, a Rare Form of Hereditary Spastic Paraplegia. <i>Neuroscientist</i> , 2013, 19, 336-344.	2.6	20
62	Pathogenesis of Autosomal Dominant Hereditary Spastic Paraplegia (SPG6) Revealed by a Rat Model. <i>Journal of Neuropathology and Experimental Neurology</i> , 2013, 72, 1016-1028.	0.9	17
63	An ESCRT α spastin interaction promotes fission of recycling tubules from the endosome. <i>Journal of Cell Biology</i> , 2013, 202, 527-543.	2.3	139
64	Study on the Dynamic Changes in Synaptic Vesicle-Associated Protein and Axonal Transport Protein Combined with LPS Neuroinflammation Model. <i>ISRN Neurology</i> , 2013, 2013, 1-12.	1.5	5
65	Inhibition of TFG function causes hereditary axon degeneration by impairing endoplasmic reticulum structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5091-5096.	3.3	90
66	Identification of a Novel Homozygous <i>SPG7</i> Mutation in a Japanese Patient with Spastic Ataxia: Making an Efficient Diagnosis Using Exome Sequencing for Autosomal Recessive Cerebellar Ataxia and Spastic Paraplegia. <i>Internal Medicine</i> , 2013, 52, 1629-1633.	0.3	9
68	Spastic Paraplegia Type 7 Is Associated with Multiple Mitochondrial DNA Deletions. <i>PLoS ONE</i> , 2014, 9, e86340.	1.1	49
69	A New Mouse Allele of Glutamate Receptor Delta 2 with Cerebellar Atrophy and Progressive Ataxia. <i>PLoS ONE</i> , 2014, 9, e107867.	1.1	13
70	Modeling Axonal Phenotypes with Human Pluripotent Stem Cells. <i>Methods in Molecular Biology</i> , 2014, 1353, 309-321.	0.4	7
71	StartReact Restores Reaction Time in HSP: Evidence for Subcortical Release of a Motor Program. <i>Journal of Neuroscience</i> , 2014, 34, 275-281.	1.7	75
72	Gene dosage-dependent rescue of HSP neurite defects in SPG4 patients' neurons. <i>Human Molecular Genetics</i> , 2014, 23, 2527-2541.	1.4	111
73	Hereditary spastic paraplegia is not associated with <i>C9ORF72</i> repeat expansions in a Danish cohort. <i>Spinal Cord</i> , 2014, 52, 77-79.	0.9	5

#	ARTICLE	IF	CITATIONS
74	Sensory neuropathy with bone destruction due to a mutation in the membrane-shaping atlastin GTPase 3. <i>Brain</i> , 2014, 137, 683-692.	3.7	80
75	Lysosomal abnormalities in hereditary spastic paraplegia types <scp>SPG</scp> 15 and <scp>SPG</scp> 11. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 379-389.	1.7	98
76	Arl6IP1 has the ability to shape the mammalian ER membrane in a reticulon-like fashion. <i>Biochemical Journal</i> , 2014, 458, 69-79.	1.7	47
77	Microtubule-severing protein Katanin regulates neuromuscular junction development and dendritic elaboration in <i>Drosophila</i>. <i>Development (Cambridge)</i> , 2014, 141, 1064-1074.	1.2	46
78	The axonal endoplasmic reticulum and protein trafficking: Cellular bootlegging south of the soma. <i>Seminars in Cell and Developmental Biology</i> , 2014, 27, 23-31.	2.3	34
79	The Role of Reticulons in Neurodegenerative Diseases. <i>NeuroMolecular Medicine</i> , 2014, 16, 3-15.	1.8	60
80	Pharmacologic rescue of axon growth defects in a human iPSC model of hereditary spastic paraplegia SPG3A. <i>Human Molecular Genetics</i> , 2014, 23, 5638-5648.	1.4	55
81	Hereditary spastic paraplegia: Clinical-genetic characteristics and evolving molecular mechanisms. <i>Experimental Neurology</i> , 2014, 261, 518-539.	2.0	281
82	Hand muscles corticomotor excitability in hereditary spastic paraparesis type 4. <i>Neurological Sciences</i> , 2014, 35, 1287-1291.	0.9	3
83	Axonal transport plays a crucial role in mediating the axon-protective effects of NmNAT. <i>Neurobiology of Disease</i> , 2014, 68, 78-90.	2.1	24
84	Loss of Association of REEP2 with Membranes Leads to Hereditary Spastic Paraplegia. <i>American Journal of Human Genetics</i> , 2014, 94, 268-277.	2.6	83
85	REEP1 and REEP2 proteins are preferentially expressed in neuronal and neuronal-like exocytotic tissues. <i>Brain Research</i> , 2014, 1545, 12-22.	1.1	37
86	Intrathecal baclofen therapy for the symptomatic treatment of hereditary spastic paraplegia. <i>Clinical Neurology and Neurosurgery</i> , 2014, 123, 142-145.	0.6	41
87	Molecular aspects of hereditary spastic paraplegia. <i>Experimental Cell Research</i> , 2014, 325, 18-26.	1.2	46
88	Hyperglycemia and neuropathy induced changes in mitochondria within sensory nerves. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 799-812.	1.7	20
89	Strumpellin and Spartin, Hereditary Spastic Paraplegia Proteins, are Binding Partners. <i>Journal of Experimental Neuroscience</i> , 2015, 9, JEN.S22969.	2.3	3
90	Hereditary spastic paraplegia linked REEP1 modulates endoplasmic reticulum/mitochondria contacts. <i>Annals of Neurology</i> , 2015, 78, 679-696.	2.8	82
91	Identification and Functional Analysis of a SLC33A1: c.339T>G (p.Ser113Arg) Variant in the Original SPG42 Family. <i>Human Mutation</i> , 2015, 36, 240-249.	1.1	14

#	ARTICLE	IF	CITATIONS
92	Optical coherence tomography in neurodegenerative and other neurologic diseases. , 0, , 128-144.		0
93	A Novel Mutation in Motor Domain of KIF5A Associated With an HSP/Axonal Neuropathy Phenotype. Journal of Clinical Neuromuscular Disease, 2015, 16, 153-158.	0.3	17
94	Mutation in <i>CPT1C</i> Associated With Pure Autosomal Dominant Spastic Paraplegia. JAMA Neurology, 2015, 72, 561.	4.5	64
95	Central Nervous System Trauma. , 2015, , 29-59.		0
96	Identification of two novel KIF5A mutations in hereditary spastic paraplegia associated with mild peripheral neuropathy. Journal of the Neurological Sciences, 2015, 358, 422-427.	0.3	17
97	Retromer in Alzheimer disease, Parkinson disease and other neurological disorders. Nature Reviews Neuroscience, 2015, 16, 126-132.	4.9	197
98	Characterization of Alu and recombination-associated motifs mediating a large homozygous SPG7 gene rearrangement causing hereditary spastic paraplegia. Neurogenetics, 2015, 16, 97-105.	0.7	14
99	ER network formation and membrane fusion by atlastin1/SPG3A disease variants. Molecular Biology of the Cell, 2015, 26, 1616-1628.	0.9	30
100	Hereditary spastic paraplegia SPG4: what is known and not known about the disease. Brain, 2015, 138, 2471-2484.	3.7	122
101	Dalfampridine in hereditary spastic paraplegia: a prospective, open study. Journal of Neurology, 2015, 262, 1285-1288.	1.8	21
102	Mouse Models of Autosomal Dominant Spastic Paraplegia. , 2015, , 1073-1086.		4
103	Drosophila Models of Hereditary Spastic Paraplegia. , 2015, , 1103-1122.		5
104	Caenorhabditis elegans Models of Hereditary Spastic Paraplegia. , 2015, , 1123-1135.		0
105	Mitochondrial dynamics and inherited peripheral nerve diseases. Neuroscience Letters, 2015, 596, 66-77.	1.0	103
106	Mutation screen reveals novel variants and expands the phenotypes associated with DYNC1H1. Journal of Neurology, 2015, 262, 2124-2134.	1.8	59
107	Hereditary Spastic Paraplegias. , 2015, , 1063-1071.		0
108	Disturbed mitochondrial dynamics and neurodegenerative disorders. Nature Reviews Neurology, 2015, 11, 11-24.	4.9	533
109	Robot-Assisted Gait Training in a Patient With Hereditary Spastic Paraplegia. PM and R, 2015, 7, 210-213.	0.9	8

#	ARTICLE	IF	CITATIONS
110	A Newly Identified Missense Mutation in <i>FARS2</i> Causes Autosomal-Recessive Spastic Paraplegia. <i>Human Mutation</i> , 2016, 37, 165-169.	1.1	45
111	S113R mutation in <i>Slc33a1</i> leads to neurodegeneration and augmented BMP signaling in a mouse model. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 53-62.	1.2	13
112	Mitochondrial morphology and cellular distribution are altered in SPG31 patients and are linked to DRP1 hyperphosphorylation. <i>Human Molecular Genetics</i> , 2016, 26, ddw425.	1.4	26
113	Loss of Maspardin Attenuates the Growth and Maturation of Mouse Cortical Neurons. <i>Neurodegenerative Diseases</i> , 2016, 16, 260-272.	0.8	3
114	Retromer in Polarized Protein Transport. <i>International Review of Cell and Molecular Biology</i> , 2016, 323, 129-179.	1.6	18
115	Mammalian knock out cells reveal prominent roles for atlastin GTPases in ER network morphology. <i>Experimental Cell Research</i> , 2016, 349, 32-44.	1.2	43
116	Modeling axonal defects in hereditary spastic paraplegia with human pluripotent stem cells. <i>Frontiers in Biology</i> , 2016, 11, 339-354.	0.7	23
117	The cellular mechanisms that maintain neuronal polarity. <i>Nature Reviews Neuroscience</i> , 2016, 17, 611-622.	4.9	128
118	GSK3 β -dependent dysregulation of neurodevelopment in SPG11 patient induced pluripotent stem cell model. <i>Annals of Neurology</i> , 2016, 79, 826-840.	2.8	40
119	A conceptual view at microtubule plus end dynamics in neuronal axons. <i>Brain Research Bulletin</i> , 2016, 126, 226-237.	1.4	42
120	Reep1null mice reveal a converging role for hereditary spastic paraplegia proteins in lipid droplet regulation. <i>Human Molecular Genetics</i> , 2016, 25, ddw315.	1.4	72
121	Severe muscle wasting and denervation in mice lacking the RNA-binding protein ZFP106. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4494-503.	3.3	34
122	Characterization of Greater Middle Eastern genetic variation for enhanced disease gene discovery. <i>Nature Genetics</i> , 2016, 48, 1071-1076.	9.4	314
123	Genetic and phenotypic characterization of complex hereditary spastic paraplegia. <i>Brain</i> , 2016, 139, 1904-1918.	3.7	170
124	The effects of ER morphology on synaptic structure and function in <i>Drosophila melanogaster</i> . <i>Journal of Cell Science</i> , 2016, 129, 1635-48.	1.2	85
125	Hereditary spastic paraplegia: pathology, genetics and therapeutic prospects. <i>Expert Opinion on Orphan Drugs</i> , 2016, 4, 429-442.	0.5	5
126	<i>TFG</i> -Related Neurologic Disorders: New Insights Into Relationships Between Endoplasmic Reticulum and Neurodegeneration. <i>Journal of Neuropathology and Experimental Neurology</i> , 2016, 75, 299-305.	0.9	31
127	Carnitine palmitoyltransferase 1C: From cognition to cancer. <i>Progress in Lipid Research</i> , 2016, 61, 134-148.	5.3	102

#	ARTICLE	IF	CITATIONS
128	Dysfunctional tubular endoplasmic reticulum constitutes a pathological feature of Alzheimer's disease. <i>Molecular Psychiatry</i> , 2016, 21, 1263-1271.	4.1	35
130	Hereditary Spastic Paraplegia: Clinical and Genetic Hallmarks. <i>Cerebellum</i> , 2017, 16, 525-551.	1.4	169
131	Axonal Endoplasmic Reticulum Ca ²⁺ Content Controls Release Probability in CNS Nerve Terminals. <i>Neuron</i> , 2017, 93, 867-881.e6.	3.8	215
132	Parkinsonian-Pyramidal syndromes: A systematic review. <i>Parkinsonism and Related Disorders</i> , 2017, 39, 4-16.	1.1	20
133	Spastin regulates VAMP7-containing vesicles trafficking in cortical neurons. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1666-1677.	1.8	12
134	Mutant spastin proteins promote deficits in axonal transport through an isoform-specific mechanism involving casein kinase 2 activation. <i>Human Molecular Genetics</i> , 2017, 26, 2321-2334.	1.4	27
135	New genetic causes for complex hereditary spastic paraplegia. <i>Journal of the Neurological Sciences</i> , 2017, 379, 283-292.	0.3	24
136	Truncating mutations of <i>SPAST</i> associated with hereditary spastic paraplegia indicate greater accumulation and toxicity of the M1 isoform of spastin. <i>Molecular Biology of the Cell</i> , 2017, 28, 1728-1737.	0.9	27
137	Defects in ER-endosome contacts impact lysosome function in hereditary spastic paraplegia. <i>Journal of Cell Biology</i> , 2017, 216, 1337-1355.	2.3	136
138	Clinical and genetic study of hereditary spastic paraplegia in Canada. <i>Neurology: Genetics</i> , 2017, 3, e122.	0.9	82
139	Integrating evolutionary and regulatory information with a multispecies approach implicates genes and pathways in obsessive-compulsive disorder. <i>Nature Communications</i> , 2017, 8, 774.	5.8	52
140	Endoplasmic Reticulum Plasma Membrane Crosstalk Mediated by the Extended Synaptotagmins. <i>Advances in Experimental Medicine and Biology</i> , 2017, 997, 83-93.	0.8	12
141	Extended Synaptotagmin Localizes to Presynaptic ER and Promotes Neurotransmission and Synaptic Growth in <i>Drosophila</i> . <i>Genetics</i> , 2017, 207, 993-1006.	1.2	55
143	<i>Drosophila</i> Short stop as a paradigm for the role and regulation of spectraplakins. <i>Seminars in Cell and Developmental Biology</i> , 2017, 69, 40-57.	2.3	33
145	Impaired mitochondrial dynamics underlie axonal defects in hereditary spastic paraplegias. <i>Human Molecular Genetics</i> , 2018, 27, 2517-2530.	1.4	38
146	A hereditary spastic paraplegia-associated atlastin variant exhibits defective allosteric coupling in the catalytic core. <i>Journal of Biological Chemistry</i> , 2018, 293, 687-700.	1.6	16
147	Functional differences of short and long isoforms of spastin harboring missense mutation. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	1.2	14
148	StartReact during gait initiation reveals differential control of muscle activation and inhibition in patients with corticospinal degeneration. <i>Journal of Neurology</i> , 2018, 265, 2531-2539.	1.8	13

#	ARTICLE	IF	CITATIONS
149	Single particle trajectories reveal active endoplasmic reticulum luminal flow. <i>Nature Cell Biology</i> , 2018, 20, 1118-1125.	4.6	86
150	BMP- and Neuropilin-1-mediated motor axon navigation relies on spastin alternative translation. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	16
151	Diseases of ganglioside biosynthesis: An expanding group of congenital disorders of glycosylation. <i>Molecular Genetics and Metabolism</i> , 2018, 124, 230-237.	0.5	33
152	A Mutation in the Borcs7 Subunit of the Lysosome Regulatory BORC Complex Results in Motor Deficits and Dystrophic Axonopathy in Mice. <i>Cell Reports</i> , 2018, 24, 1254-1265.	2.9	29
153	Novel Type of Complicated Autosomal Dominant Hereditary Spastic Paraplegia Associated with Congenital Distal Arthrogyposis Type I. <i>Brain Sciences</i> , 2018, 8, 136.	1.1	1
154	The Retromer Complex and Sorting Nexins in Neurodegenerative Diseases. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 79.	1.7	55
155	ER Dynamics and Derangement in Neurological Diseases. <i>Frontiers in Neuroscience</i> , 2018, 12, 91.	1.4	15
156	The involvement of endoplasmic reticulum formation and protein synthesis efficiency in VCP- and ATL1-related neurological disorders. <i>Journal of Biomedical Science</i> , 2018, 25, 2.	2.6	16
157	The inositol 5-phosphatase INPP5K participates in the fine control of ER organization. <i>Journal of Cell Biology</i> , 2018, 217, 3577-3592.	2.3	39
158	Hereditary spastic paraplegia. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2018, 148, 633-652.	1.0	112
159	Role of the AP-5 adaptor protein complex in late endosome-to-Golgi retrieval. <i>PLoS Biology</i> , 2018, 16, e2004411.	2.6	100
160	Complexity of Generating Mouse Models to Study the Upper Motor Neurons: Let Us Shift Focus from Mice to Neurons. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3848.	1.8	23
161	Autonomy level and quality of everyday experience of people with Hereditary Spastic Paraplegia. <i>Health and Social Care in the Community</i> , 2019, 27, e850-e860.	0.7	1
162	An allosteric network in spastin couples multiple activities required for microtubule severing. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 671-678.	3.6	51
163	Spastin MIT Domain Disease-Associated Mutations Disrupt Lysosomal Function. <i>Frontiers in Neuroscience</i> , 2019, 13, 1179.	1.4	25
164	Adaptor protein complexes and disease at a glance. <i>Journal of Cell Science</i> , 2019, 132, jcs222992.	1.2	81
165	Major Mutation in the SPAST Gene in Patients with Autosomal Dominant Spastic Paraplegia from the Republic of Bashkortostan. <i>Russian Journal of Genetics</i> , 2019, 55, 259-262.	0.2	2
166	A p.Arg499His Mutation in SPAST Is Associated with Infantile Onset Ascending Spastic Paralysis Complicated with Dysarthria and Anarthria. <i>Neuropediatrics</i> , 2019, 50, 391-394.	0.3	9

#	ARTICLE	IF	CITATIONS
167	Atlastin Endoplasmic Reticulum-Shaping Proteins Facilitate Zika Virus Replication. <i>Journal of Virology</i> , 2019, 93, .	1.5	33
168	Spastin Contributes to Neural Development through the Regulation of Microtubule Dynamics in the Primary Cilia of Neural Stem Cells. <i>Neuroscience</i> , 2019, 411, 76-85.	1.1	15
169	A novel <i>CPT1C</i> variant causes pure hereditary spastic paraplegia with benign clinical course. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 610-614.	1.7	11
170	A mouse model for SPG48 reveals a block of autophagic flux upon disruption of adaptor protein complex five. <i>Neurobiology of Disease</i> , 2019, 127, 419-431.	2.1	26
171	Mechanical insights into the regulation of programmed cell death by p53 via mitochondria. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 839-848.	1.9	42
172	Update on the Genetics of Spastic Paraplegias. <i>Current Neurology and Neuroscience Reports</i> , 2019, 19, 18.	2.0	92
173	Designing a chemical inhibitor for the AAA protein spastin using active site mutations. <i>Nature Chemical Biology</i> , 2019, 15, 444-452.	3.9	31
174	The model of local axon homeostasis - explaining the role and regulation of microtubule bundles in axon maintenance and pathology. <i>Neural Development</i> , 2019, 14, 11.	1.1	41
175	Dynamic constriction and fission of endoplasmic reticulum membranes by reticulon. <i>Nature Communications</i> , 2019, 10, 5327.	5.8	46
176	Modeling Hereditary Spastic Paraplegias in Fruit Flies: Potential of Its Genetic Paraphernalia. , 2019, , 405-432.		0
177	A Novel Mutation in the Stalk Domain of KIF5A Causes a Slowly Progressive Atypical Motor Syndrome. <i>Journal of Clinical Medicine</i> , 2019, 8, 17.	1.0	13
178	Hereditary spastic paraplegia: gain-of-function mechanisms revealed by new transgenic mouse. <i>Human Molecular Genetics</i> , 2019, 28, 1136-1152.	1.4	22
179	ESCRT-III-associated proteins and spastin inhibit protrudin-dependent polarised membrane traffic. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 2641-2658.	2.4	23
180	SUMOylation of spastin promotes the internalization of GluA1 and regulates dendritic spine morphology by targeting microtubule dynamics. <i>Neurobiology of Disease</i> , 2020, 146, 105133.	2.1	16
181	Inhibition of ER stress improves progressive motor deficits in a REEP1-null mouse model of hereditary spastic paraplegia. <i>Biology Open</i> , 2020, 9, .	0.6	7
182	The structure and global distribution of the endoplasmic reticulum network are actively regulated by lysosomes. <i>Science Advances</i> , 2020, 6, .	4.7	58
183	Snx14 proximity labeling reveals a role in saturated fatty acid metabolism and ER homeostasis defective in SCAR20 disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 33282-33294.	3.3	17
184	Impaired lipid metabolism in astrocytes underlies degeneration of cortical projection neurons in hereditary spastic paraplegia. <i>Acta Neuropathologica Communications</i> , 2020, 8, 214.	2.4	17

#	ARTICLE	IF	CITATIONS
185	A <i>Plasmodium</i> homolog of ER tubule-forming proteins is required for parasite virulence. <i>Molecular Microbiology</i> , 2020, 114, 454-467.	1.2	7
186	Membrane trafficking in health and disease. <i>DMM Disease Models and Mechanisms</i> , 2020, 13, .	1.2	87
187	A central role of the endoplasmic reticulum in the cell emerges from its functional contact sites with multiple organelles. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 4729-4745.	2.4	16
188	Exome sequencing of a Pakistani family with spastic paraplegia identified an 18 bp deletion in the cytochrome B5 domain of FA2H. <i>Neurological Research</i> , 2021, 43, 133-140.	0.6	1
189	The phosphoinositide 5-phosphatase INPP5K: From gene structure to in vivo functions. <i>Advances in Biological Regulation</i> , 2021, 79, 100760.	1.4	6
190	Central Nervous System Trauma. , 2021, , 25-49.		0
191	Lysosome Function and Dysfunction in Hereditary Spastic Paraplegias. <i>Brain Sciences</i> , 2021, 11, 152.	1.1	10
193	PIP ₃ phosphatase inositol polyphosphate 5-phosphatase K (INPP5K) connects the endoplasmic reticulum to microtubules and mediates the regulation of endoplasmic reticulum morphology. <i>Translational and Regulatory Sciences</i> , 2021, 3, 9-16.	0.2	0
194	Axonal Organelles as Molecular Platforms for Axon Growth and Regeneration after Injury. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1798.	1.8	18
195	Genetic disruption of WASHC4 drives endo-lysosomal dysfunction and cognitive-movement impairments in mice and humans. <i>ELife</i> , 2021, 10, .	2.8	28
196	Integrating protein networks and machine learning for disease stratification in the Hereditary Spastic Paraplegias. <i>IScience</i> , 2021, 24, 102484.	1.9	8
197	Lipid Droplets in the Pathogenesis of Hereditary Spastic Paraplegia. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 673977.	1.6	13
198	Functional roles of female sex hormones and their nuclear receptors in cervical cancer. <i>Essays in Biochemistry</i> , 2021, 65, 941-950.	2.1	10
199	Nodal modulator (NOMO) is required to sustain endoplasmic reticulum morphology. <i>Journal of Biological Chemistry</i> , 2021, 297, 100937.	1.6	4
200	Dysfunctional Homozygous VRK1-D263G Variant Impairs the Assembly of Cajal Bodies and DNA Damage Response in Hereditary Spastic Paraplegia. <i>Neurology: Genetics</i> , 2021, 7, e624.	0.9	2
201	Monitoring Axonal Degeneration in Human Pluripotent Stem Cell Models of Hereditary Spastic Paraplegias. <i>Methods in Molecular Biology</i> , 2021, , 1.	0.4	0
202	Identification of the Interactome of a Palmitoylated Membrane Protein, Phosphatidylinositol 4-Kinase Type II Alpha. <i>Methods in Molecular Biology</i> , 2016, 1376, 35-42.	0.4	18
204	Mutations in the ER-shaping protein reticulon 2 cause the axon-degenerative disorder hereditary spastic paraplegia type 12. <i>Journal of Clinical Investigation</i> , 2012, 122, 538-544.	3.9	149

#	ARTICLE	IF	CITATIONS
205	A spastic paraplegia mouse model reveals REEP1-dependent ER shaping. <i>Journal of Clinical Investigation</i> , 2013, 123, 4273-4282.	3.9	74
206	Spastic paraplegia proteins spastizin and spatacsin mediate autophagic lysosome reformation. <i>Journal of Clinical Investigation</i> , 2014, 124, 5249-5262.	3.9	174
207	Hereditary Myelopathies. <i>CONTINUUM Lifelong Learning in Neurology</i> , 2018, 24, 523-550.	0.4	5
208	Alternative Splicing of Spg7, a Gene Involved in Hereditary Spastic Paraplegia, Encodes a Variant of Paraplegin Targeted to the Endoplasmic Reticulum. <i>PLoS ONE</i> , 2012, 7, e36337.	1.1	10
209	Fine-Scale Linkage Mapping Reveals a Small Set of Candidate Genes Influencing Honey Bee Grooming Behavior in Response to Varroa Mites. <i>PLoS ONE</i> , 2012, 7, e47269.	1.1	55
210	A Novel Homozygous p.R1105X Mutation of the AP4E1 Gene in Twins with Hereditary Spastic Paraplegia and Mycobacterial Disease. <i>PLoS ONE</i> , 2013, 8, e58286.	1.1	31
211	REEPs Are Membrane Shaping Adapter Proteins That Modulate Specific G Protein-Coupled Receptor Trafficking by Affecting ER Cargo Capacity. <i>PLoS ONE</i> , 2013, 8, e76366.	1.1	64
212	Spastin-Interacting Protein NA14/SSNA1 Functions in Cytokinesis and Axon Development. <i>PLoS ONE</i> , 2014, 9, e112428.	1.1	20
213	Quantitative Gait Analysis Using a Motorized Treadmill System Sensitive Detects Motor Abnormalities in Mice Expressing ATPase Defective Spastin. <i>PLoS ONE</i> , 2016, 11, e0152413.	1.1	17
214	Prion protein inhibits fast axonal transport through a mechanism involving casein kinase 2. <i>PLoS ONE</i> , 2017, 12, e0188340.	1.1	14
215	Molecular Chaperone Disorders: Defective Hsp60 in Neurodegeneration. <i>Current Topics in Medicinal Chemistry</i> , 2013, 12, 2491-2503.	1.0	43
216	MCTP is an ER-resident calcium sensor that stabilizes synaptic transmission and homeostatic plasticity. <i>ELife</i> , 2017, 6, .	2.8	42
217	Modeling of axonal endoplasmic reticulum network by spastic paraplegia proteins. <i>ELife</i> , 2017, 6, .	2.8	71
218	Sensing of nutrients by CPT1C regulates late endosome/lysosome anterograde transport and axon growth. <i>ELife</i> , 2019, 8, .	2.8	20
219	ER Morphology in the Pathogenesis of Hereditary Spastic Paraplegia. <i>Cells</i> , 2021, 10, 2870.	1.8	6
222	A Novel c.4822>T Mutation on SPG11 in an Iranian Patient Marked by Hereditary Spastic Paraparesis and Skeletal Deformity: An Incidental Finding or a True Association. <i>Caspian Journal of Neurological Sciences</i> , 2016, 2, 39-41.	0.1	1
223	Metabolic, Toxic, Hereditary, and Rare Causes of Spinal Cord Disease. , 2017, , 195-216.		0
225	HEREDITARY SPASTIC PARAPLEGIA: CLINICAL OBSERVATIONS. <i>Bulletin of Problems Biology and Medicine</i> , 2019, 2.1, 50.	0.0	0

#	ARTICLE	IF	CITATIONS
229	A Novel Homozygous Nonsense Variant in BICD2 Underlies Hereditary Spastic Paraplegia Complex Type. Pakistan Journal of Zoology, 2020, 52, .	0.1	0
231	Modeling hereditary spastic paraplegias using induced pluripotent stem cells. , 2022, , 185-215.		0
232	Non-cell autonomous role of astrocytes in axonal degeneration of cortical projection neurons in hereditary spastic paraplegias. Neural Regeneration Research, 2022, 17, 1265.	1.6	0
233	Genome-wide interaction study with major depression identifies novel variants associated with cognitive function. Molecular Psychiatry, 2022, 27, 1111-1119.	4.1	24
234	OUP accepted manuscript. Brain, 2022, , .	3.7	11
235	Genetic architecture of motor neuron diseases. Journal of the Neurological Sciences, 2022, 434, 120099.	0.3	7
236	Phosphorylation of Spastin Promotes the Surface Delivery and Synaptic Function of AMPA Receptors. Frontiers in Cellular Neuroscience, 2022, 16, 809934.	1.8	4
237	A role for endoplasmic reticulum dynamics in the cellular distribution of microtubules. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2104309119.	3.3	15
238	Modeling gain-of-function and loss-of-function components of <i>SPAST</i> -based hereditary spastic paraplegia using transgenic mice. Human Molecular Genetics, 2022, 31, 1844-1859.	1.4	4
239	New insights into the regulation of synaptic transmission and plasticity by the endoplasmic reticulum and its membrane contacts. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2021, 97, 559-572.	1.6	3
240	Vesicular dysfunction and pathways to neurodegeneration. Essays in Biochemistry, 2021, 65, 941-948.	2.1	5
243	New phenotype of <i>RTN2</i> -related spectrum: Complicated form of spastic paraplegia. Annals of Clinical and Translational Neurology, 2022, 9, 1108-1115.	1.7	1
244	Exploring the eukaryotic Yip and REEP/Yop superfamily of membrane-shaping adapter proteins (MSAPs): A cacophony or harmony of structure and function?. Frontiers in Molecular Biosciences, 0, 9, .	1.6	0
245	Hereditary spastic paraplegia: Genetic heterogeneity and common pathways. Experimental Neurology, 2022, 357, 114203.	2.0	16
246	TFG regulates secretory and endosomal sorting pathways in neurons to promote their activity and maintenance. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	5
247	Traffic jam within lymphocytes: A clinician's perspective. Frontiers in Immunology, 0, 13, .	2.2	1
248	Chenodeoxycholic acid rescues axonal degeneration in induced pluripotent stem cell-derived neurons from spastic paraplegia type 5 and cerebrotendinous xanthomatosis patients. Orphanet Journal of Rare Diseases, 2023, 18, .	1.2	2
249	Autosomal and X-Linked Degenerative Ataxias: From Genetics to Promising Therapeutics. Contemporary Clinical Neuroscience, 2023, , 141-181.	0.3	0

#	ARTICLE	IF	CITATIONS
---	---------	----	-----------