Joachim Weis

List of Publications by Year
in descending order

256 papers	13,481 citations	20759 60 h-index	31759 101 g-index
299 all docs	299 docs citations	299 times ranked	20803 citing authors

#	Article	IF	Citations
1	Regulation of endoplasmic reticulum turnover by selective autophagy. Nature, 2015, 522, 354-358.	13.7	714
2	Repairing injured peripheral nerves: Bridging the gap. Progress in Neurobiology, 2010, 92, 245-276.	2.8	438
3	Axonal prion protein is required for peripheral myelin maintenance. Nature Neuroscience, 2010, 13, 310-318.	7.1	357
4	MFN2 mutation distribution and genotype/phenotype correlation in Charcot-Marie-Tooth type 2. Brain, 2006, 129, 2093-2102.	3.7	351
5	Gene Expression Profile of Glioblastoma Multiforme Invasive Phenotype Points to New Therapeutic Targets. Neoplasia, 2005, 7, 7-16.	2.3	289
6	A de novo gain-of-function mutation in SCN11A causes loss of pain perception. Nature Genetics, 2013, 45, 1399-1404.	9.4	264
7	Mutations in SIL1 cause Marinesco-SjÃ¶gren syndrome, a cerebellar ataxia with cataract and myopathy. Nature Genetics, 2005, 37, 1312-1314.	9.4	232
8	Impaired DNA damage response signaling by FUS-NLS mutations leads to neurodegeneration and FUS aggregate formation. Nature Communications, 2018, 9, 335.	5.8	217
9	Genes for hereditary sensory and autonomic neuropathies: a genotype-phenotype correlation. Brain, 2009, 132, 2699-2711.	3.7	202
10	NLRP3 inflammasome is expressed by astrocytes in the SOD1 mouse model of ALS and in human sporadic ALS patients. Glia, 2015, 63, 2260-2273.	2.5	201
11	Interleukin-6 induces transcriptional activation of vascular endothelial growth factor (VEGF) in astrocytesin vivo and regulatesVEGF promoter activity in glioblastoma cells via direct interaction between STAT3 and Sp1. International Journal of Cancer, 2005, 115, 202-213.	2.3	193
12	IL-6 is required for glioma development in a mouse model. Oncogene, 2004, 23, 3308-3316.	2.6	177
13	PML in a Patient Treated with Fumaric Acid. New England Journal of Medicine, 2013, 368, 1657-1658.	13.9	176
14	Resistance to antiangiogenic therapy is directed by vascular phenotype, vessel stabilization, and maturation in malignant melanoma. Journal of Experimental Medicine, 2010, 207, 491-503.	4.2	170
15	In Vitro Assessment of Axonal Growth Using Dorsal Root Ganglia Explants in a Novel Three-Dimensional Collagen Matrix. Tissue Engineering, 2007, 13, 2971-2979.	4.9	169
16	Hot-spot KIF5A mutations cause familial ALS. Brain, 2018, 141, 688-697.	3.7	167
17	In vitro cell alignment obtained with a Schwann cell enriched microstructured nerve guide with longitudinal guidance channels. Biomaterials, 2009, 30, 169-179.	5.7	166
18	Autosomal-Dominant Distal Myopathy Associated with a Recurrent Missense Mutation in the Gene Encoding the Nuclear Matrix Protein, Matrin 3. American Journal of Human Genetics, 2009, 84, 511-518.	2.6	161

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19	The Small GTPase Rab7 Controls the Endosomal Trafficking and Neuritogenic Signaling of the Nerve Growth Factor Receptor TrkA. Journal of Neuroscience, 2005, 25, 10930-10940.	1.7	158
20	Methylation-based classification of benign and malignant peripheral nerve sheath tumors. Acta Neuropathologica, 2016, 131, 877-887.	3.9	151
21	Post-mortem forensic neuroimaging: Correlation of MSCT and MRI findings with autopsy results. Forensic Science International, 2007, 173, 21-35.	1.3	149
22	Implantation and Explantation of a Wireless Epiretinal Retina Implant Device: Observations during the EPIRET3 Prospective Clinical Trial. , 2009, 50, 3003.		143
23	A motoneuron-selective stop signal in the synaptic protein S-laminin. Neuron, 1995, 14, 549-559.	3.8	137
24	Transcriptional regulator PRDM12 is essential for human pain perception. Nature Genetics, 2015, 47, 803-808.	9.4	137
25	The role of microstructured and interconnected pore channels in a collagen-based nerve guide on axonal regeneration in peripheral nerves. Biomaterials, 2012, 33, 1363-1375.	5.7	132
26	Peripheral Nerve Demyelination Caused by a Mutant Rho GTPase Guanine Nucleotide Exchange Factor, Frabin/FGD4. American Journal of Human Genetics, 2007, 81, 158-164.	2.6	128
27	Targeted High-Throughput Sequencing Identifies Mutations in atlastin-1 as a Cause of Hereditary Sensory Neuropathy Type I. American Journal of Human Genetics, 2011, 88, 99-105.	2.6	123
28	Argon: Neuroprotection in in vitro models of cerebral ischemia and traumatic brain injury. Critical Care, 2009, 13, R206.	2.5	115
29	Small-fiber neuropathy in patients with ALS. Neurology, 2011, 76, 2024-2029.	1.5	114
30	Axonopathy in an APP/PS1 transgenic mouse model of Alzheimerâ€™s disease. Acta Neuropathologica, 2006, 111, 312-319.	3.9	113
31	Longâ€term course and mutational spectrum of spatacsinâ€linked spastic paraplegia. Annals of Neurology, 2007, 62, 656-665.	2.8	113
32	Dexmedetomidine is neuroprotective in an in vitro model for traumatic brain injury. BMC Neurology, 2012, 12, 20.	0.8	111
33	Xenon reduces neurohistopathological damage and improves the early neurological deficit after cardiac arrest in pigs*. Critical Care Medicine, 2008, 36, 2420-2426.	0.4	108
34	Age-dependent axonal degeneration in an Alzheimer mouse model. Neurobiology of Aging, 2007, 28, 1689-1699.	1.5	107
35	Endosomal transport of neurotrophins: Roles in signaling and neurodegenerative diseases. Developmental Neurobiology, 2007, 67, 1183-1203.	1.5	107
36	Signalling pathways leading to neuroblastoma differentiation after serum withdrawal: HDL blocks neuroblastoma differentiation by inhibition of EGFR. Oncogene, 2005, 24, 3309-3318.	2.6	100

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37	Muscle biopsy substantiates longâ€term MRI alterations one year after a single dose of botulinum toxin injected into the lateral gastrocnemius muscle of healthy volunteers. Movement Disorders, 2009, 24, 1494-1503.	2.2	100
38	SH3TC2/KIAA1985 protein is required for proper myelination and the integrity of the node of Ranvier in the peripheral nervous system. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17528-17533.	3.3	97
39	Defects of mutant DNMT1 are linked to a spectrum of neurological disorders. Brain, 2015, 138, 845-861.	3.7	94
40	FUS pathology in ALS is linked to alterations in multiple ALS-associated proteins and rescued by drugs stimulating autophagy. Acta Neuropathologica, 2019, 138, 67-84.	3.9	94
41	Use of diffusion-weighted magnetic resonance imaging in differentiating purulent brain processes from cystic brain tumors. Journal of Neurosurgery, 2002, 97, 1101-1107.	0.9	91
42	Nuclear actin aggregation is a hallmark of anti-synthetase syndromeâ€“induced dysimmune myopathy. Neurology, 2015, 84, 1346-1354.	1.5	90
43	The Dark Side of the NGF Family: Neurotrophins in Neoplasias. Brain Pathology, 2006, 16, 304-310.	2.1	86
44	Marinesco-SjÃ¶gren syndrome protein SIL1 regulates motor neuron subtype-selective ER stress in ALS. Nature Neuroscience, 2015, 18, 227-238.	7.1	85
45	Comprehensive analysis of the mutation spectrum in 301 German ALS families. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 817-827.	0.9	80
46	Colony-stimulating factor-1 mediates macrophage-related neural damage in a model for Charcotâ€“Marieâ€“Tooth disease type 1X. Brain, 2012, 135, 88-104.	3.7	79
47	The Cancer Stem Cell Subtype Determines Immune Infiltration of Glioblastoma. Stem Cells and Development, 2012, 21, 2753-2761.	1.1	79
48	Loss of Heterozygosity 1p36 and 19q13 Is a Prognostic Factor for Overall Survival in Patients With Diffuse WHO Grade 2 Gliomas Treated Without Chemotherapy. Journal of Clinical Oncology, 2006, 24, 4758-4763.	0.8	78
49	Expanded phenotypic spectrum of the m.8344A>G â€œMERRFâ€•mutation: data from the German mitoNET registry. Journal of Neurology, 2016, 263, 961-972.	1.8	77
50	The ALS-linked E102Q mutation in Sigma receptor-1 leads to ER stress-mediated defects in protein homeostasis and dysregulation of RNA-binding proteins. Cell Death and Differentiation, 2017, 24, 1655-1671.	5.0	77
51	Sporadic late-onset nemaline myopathy: clinico-pathological characteristics and review of 76 cases. Orphanet Journal of Rare Diseases, 2017, 12, 86.	1.2	77
52	Adult-onset autosomal dominant centronuclear myopathy due to BIN1 mutations. Brain, 2014, 137, 3160-3170.	3.7	76
53	Phenotype of matrinâ€3â€“related distal myopathy in 16 <scp>G</scp>erman patients. Annals of Neurology, 2014, 76, 669-680.	2.8	74
54	Microsurgically produced bifurcation aneurysms in a rabbit model for endovascular coil embolization. Journal of Neurosurgery, 1996, 85, 488-495.	0.9	71

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55	Diagnostic hallmarks and pitfalls in late-onset progressive transthyretin-related amyloid-neuropathy. Journal of Neurology, 2013, 260, 3093-3108.	1.8	71
56	Cold-aggravated pain in humans caused by a hyperactive NaV1.9 channel mutant. Nature Communications, 2015, 6, 10049.	5.8	71
57	The angiotensinâ€“calcineurinâ€“NFAT pathway mediates stretch-induced up-regulation of matrix metalloproteinases-2/-9 in atrial myocytes. Basic Research in Cardiology, 2009, 104, 435-448.	2.5	69
58	Subacute axonal neuropathy in Parkinson's disease with cobalamin and vitamin B6 deficiency under duodopa therapy. Movement Disorders, 2010, 25, 1748-1752.	2.2	69
59	Ablation of Dicer from Murine Schwann Cells Increases Their Proliferation while Blocking Myelination. PLoS ONE, 2010, 5, e12450.	1.1	69
60	Peripheral Nerve Society Guideline on processing and evaluation of nerve biopsies. Journal of the Peripheral Nervous System, 2010, 15, 164-175.	1.4	66
61	Acetylcholine as an age-dependent non-neuronal source in the heart. Autonomic Neuroscience: Basic and Clinical, 2010, 156, 82-89.	1.4	66
62	SIL1 mutations and clinical spectrum in patients with Marinesco-SjÃ¶gren syndrome. Brain, 2013, 136, 3634-3644.	3.7	65
63	DEGS1-associated aberrant sphingolipid metabolism impairs nervous system function in humans. Journal of Clinical Investigation, 2019, 129, 1229-1239.	3.9	65
64	Frequent triple-hit expression of MYC, BCL2, and BCL6 in primary lymphoma of the central nervous system and absence of a favorable MYClowBCL2low subgroup may underlie the inferior prognosis as compared to systemic diffuse large B cell lymphomas. Acta Neuropathologica, 2013, 126, 603-605.	3.9	64
65	Oral administration of methysticin improves cognitive deficits in a mouse model of Alzheimer's disease. Redox Biology, 2017, 12, 843-853.	3.9	62
66	Differential endocytic sorting of p75NTR and TrkA in response to NGF: a role for late endosomes in TrkA trafficking. Molecular and Cellular Neurosciences, 2005, 28, 571-587.	1.0	61
67	Combining xenon and mild therapeutic hypothermia preserves neurological function after prolonged cardiac arrest in pigs*. Critical Care Medicine, 2012, 40, 1297-1303.	0.4	60
68	Altered Splicing of the BIN1 Muscle-Specific Exon in Humans and Dogs with Highly Progressive Centronuclear Myopathy. PLoS Genetics, 2013, 9, e1003430.	1.5	60
69	A knock-in/knock-out mouse model of HSPB8-associated distal hereditary motor neuropathy and myopathy reveals toxic gain-of-function of mutant Hspb8. Acta Neuropathologica, 2018, 135, 131-148.	3.9	58
70	Astrocytic Alterations in Interleukin-6/Soluble Interleukin-6 Receptor Î± Double-Transgenic Mice. American Journal of Pathology, 2000, 157, 1485-1493.	1.9	57
71	Processing of nerve biopsies: A practical guide for neuropathologists. , 2012, 31, 7-23.		56
72	Augmentation of Left Ventricular Contractility by Cardiac Sympathetic Neural Stimulation. Circulation, 2010, 121, 1286-1294.	1.6	54

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73	Smallâ€fiber neuropathy with cardiac denervation in postural tachycardia syndrome. Muscle and Nerve, 2014, 50, 956-961.	1.0	54
74	Jun, Fos, MyoD1, and Myogenin proteins are increased in skeletal muscle fiber nuclei after denervation. Acta Neuropathologica, 1994, 87, 63-70.	3.9	53
75	GDNF expression is increased in denervated human skeletal muscle. Neuroscience Letters, 1998, 250, 87-90.	1.0	53
76	Propofol: neuroprotection in an in vitro model of traumatic brain injury. Critical Care, 2009, 13, R61.	2.5	53
77	Macrophage Depletion Ameliorates Peripheral Neuropathy in Aging Mice. Journal of Neuroscience, 2018, 38, 4610-4620.	1.7	53
78	Neurodevelopmental deficits in Pierson (microcoria-congenital nephrosis) syndrome. American Journal of Medical Genetics, Part A, 2007, 143A, 311-319.	0.7	52
79	Reducing the duration of 100% oxygen ventilation in the early reperfusion period after cardiopulmonary resuscitation decreases striatal brain damage. Resuscitation, 2010, 81, 1698-1703.	1.3	52
80	Merlin isoform 2 in neurofibromatosis type 2â€“associated polyneuropathy. Nature Neuroscience, 2013, 16, 426-433.	7.1	51
81	Myopathy in Marinescoâ€“SjÃ¶gren syndrome links endoplasmic reticulum chaperone dysfunction to nuclear envelope pathology. Acta Neuropathologica, 2014, 127, 761-777.	3.9	51
82	Ataxia, Intellectual Disability, and Ocular Apraxia with Cerebellar Cysts: A New Disease?. Cerebellum, 2014, 13, 79-88.	1.4	50
83	Role for CD74 and CXCR4 in clathrin-dependent endocytosis of the cytokine MIF. European Journal of Cell Biology, 2012, 91, 435-449.	1.6	48
84	Towards a functional pathology of hereditary neuropathies. Acta Neuropathologica, 2017, 133, 493-515.	3.9	48
85	Regulation of nerve growth factor in the heart: The role of the calcineurinâ€“NFAT pathway. Journal of Molecular and Cellular Cardiology, 2009, 46, 568-578.	0.9	47
86	Differential effects of nerve, muscle, and fat tissue on regenerating nerve fibers in vivo. Muscle and Nerve, 1989, 12, 723-734.	1.0	46
87	Postmortem Multislice Computed Tomography and Magnetic Resonance Imaging of odontoid fractures, atlantoaxial distractions and ascending medullary edema. International Journal of Legal Medicine, 2005, 119, 129-136.	1.2	46
88	Aberrant association of misfolded SOD1 with Na+/K+ATPase-Î±3 impairs its activity and contributes to motor neuron vulnerability in ALS. Acta Neuropathologica, 2016, 131, 427-451.	3.9	46
89	Denervation induces a rapid nuclear accumulation of MRF4 in mature myofibers. Developmental Dynamics, 2000, 218, 438-451.	0.8	45
90	Neurofilament light chain as an early and sensitive predictor of long-term neurological outcome in patients after cardiac arrest. International Journal of Cardiology, 2013, 168, 1322-1327.	0.8	45

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91	Case Reports of PML in Patients Treated for Psoriasis. New England Journal of Medicine, 2013, 369, 1080-1082.	13.9	45
92	Nerve conduction changes and fine structural alterations of extra- and intrafusal muscle and nerve fibers in streptozotocin diabetic rats. Muscle and Nerve, 1995, 18, 175-184.	1.0	44
93	Endovascular Occlusion of Experimental Aneurysms with Detachable Coils: Influence of Packing Density and Perioperative Anticoagulation. Neurosurgery, 1997, 41, 1160-1168.	0.6	44
94	Clinical and biometrical 12-month follow-up in patients after reconstruction of the sural nerve biopsy defect by the collagen-based nerve guide Neuromaix. European Journal of Medical Research, 2017, 22, 34.	0.9	43
95	CNTF and its receptor subunits in human gliomas. Journal of Neuro-Oncology, 1999, 44, 243-253.	1.4	42
96	Heat shock protein families 70 and 90 in Duchenne muscular dystrophy and inflammatory myopathy: Balancing muscle protection and destruction. Neuromuscular Disorders, 2012, 22, 26-33.	0.3	42
97	New Findings in a Global Approach to Dissect the Whole Phenotype of PLA2G6 Gene Mutations. PLoS ONE, 2013, 8, e76831.	1.1	42
98	Efficacy of clinically relevant temozolomide dosing schemes in glioblastoma cancer stem cell lines. Journal of Neuro-Oncology, 2012, 109, 45-52.	1.4	41
99	Dose dependent neuroprotection of the noble gas argon after cardiac arrest in rats is not mediated by KATPâ€"Channel opening. Resuscitation, 2014, 85, 826-832.	1.3	41
100	Screening for lipoprotein receptor-related protein 4-, agrin-, and titin-antibodies and exploring the autoimmune spectrum in myasthenia gravis. Journal of Neurology, 2017, 264, 1193-1203.	1.8	41
101	Hereditary Neuropathies. Deutsches Ärzteblatt International, 2018, 115, 91-97.	0.6	41
102	Fine structural and immunohistochemical identification of perineurial cells connecting proximal and distal stumps of transected peripheral nerves at early stages of regeneration in silicone tubes. Acta Neuropathologica, 1994, 88, 159-165.	3.9	39
103	Esthesioneuroblastoma of the pituitary gland: a clinicopathological entity?. Journal of Neurosurgery, 2004, 101, 1049-1052.	0.9	39
104	Congenital type IV glycogenosis: the spectrum of pleomorphic polyglucosan bodies in muscle, nerve, and spinal cord with two novel mutations in the GBE1 gene. Acta Neuropathologica, 2008, 116, 491-506.	3.9	39
105	Spinal cord organotypic slice cultures for the study of regenerating motor axon interactions with 3D scaffolds. Biomaterials, 2014, 35, 4288-4296.	5.7	39
106	Diseases of the peripheral nerves. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 145, 453-474.	1.0	39
107	Unusual multisystemic involvement and a novel BAG3 mutation revealed by NGS screening in a large cohort of myofibrillar myopathies. Orphanet Journal of Rare Diseases, 2014, 9, 121.	1.2	38
108	Addition of intravenous N-methyl-D-aspartate receptor antagonists to local fibrinolytic therapy for the optimal treatment of experimental intracerebral hemorrhages. Journal of Neurosurgery, 2007, 106, 314-320.	0.9	37

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109	Orthotopic transplantation of v-srcâ€“expressing glioma cell lines into immunocompetent mice: establishment of a new transplantable in vivo model for malignant glioma. Journal of Neurosurgery, 2007, 106, 652-659.	0.9	37
110	HYDROGEN SULFIDE DOES NOT INCREASE RESUSCITABILITY IN A PORCINE MODEL OF PROLONGED CARDIAC ARREST. Shock, 2010, 34, 190-195.	1.0	37
111	Interleukin-6 Gene Ablation in a Transgenic Mouse Model of Malignant Skin Melanoma. American Journal of Pathology, 2005, 166, 831-841.	1.9	36
112	Neurotrophins and Neurodegenerative Diseases: Receptors Stuck in Traffic?. Journal of Neuropathology and Experimental Neurology, 2003, 62, 340-350.	0.9	35
113	Electrical stimulation of sympathetic neurons induces autocrine/paracrine effects of NGF mediated by TrkA. Journal of Molecular and Cellular Cardiology, 2010, 49, 79-87.	0.9	33
114	Neuroprotective properties of levosimendan in an in vitro model of traumatic brain injury. BMC Neurology, 2010, 10, 97.	0.8	31
115	Cetuximab induces mitochondrial translocalization of EGFRvIII, but not EGFR: involvement of mitochondria in tumor drug resistance?. Tumor Biology, 2012, 33, 85-94.	0.8	31
116	PLEKHG5 deficiency leads to an intermediate form of autosomal-recessive Charcotâ€“Marieâ€“Tooth disease. Human Molecular Genetics, 2013, 22, 4224-4232.	1.4	31
117	Brief inhalation of nitric oxide increases resuscitation success and improves 7-day-survival after cardiac arrest in rats: a randomized controlled animal study. Critical Care, 2015, 19, 408.	2.5	31
118	Inhaled nitric oxide improves transpulmonary blood flow and clinical outcomes after prolonged cardiac arrest: a large animal study. Critical Care, 2015, 19, 328.	2.5	31
119	Early administration of xenon or isoflurane may not improve functional outcome and cerebral alterations in a porcine model of cardiac arrest. Resuscitation, 2009, 80, 584-590.	1.3	30
120	Cellular Signature of SIL1 Depletion: Disease Pathogenesis due to Alterations in Protein Composition Beyond the ER Machinery. Molecular Neurobiology, 2016, 53, 5527-5541.	1.9	30
121	Adult Onset Metachromatic Leukodystrophy Without Electroclinical Peripheral Nervous System Involvement. Archives of Neurology, 2005, 62, 309.	4.9	29
122	Histology of human glioblastoma transplanted on chicken chorioallantoic membrane. Medicina (Lithuania), 2009, 45, 123.	0.8	29
123	Delayed Argon Administration Provides Robust Protection Against Cardiac Arrest-Induced Neurological Damage. Neurocritical Care, 2015, 22, 112-120.	1.2	29
124	SACS variants are a relevant cause of autosomal recessive hereditary motor and sensory neuropathy. Human Genetics, 2018, 137, 911-919.	1.8	29
125	Functional improvement following implantation of a microstructured, type-I collagen scaffold into experimental injuries of the adult rat spinal cord. Brain Research, 2014, 1585, 37-50.	1.1	28
126	Preâ€differentiation of mesenchymal stromal cells in combination with a microstructured nerve guide supports peripheral nerve regeneration in the rat sciatic nerve model. European Journal of Neuroscience, 2016, 43, 404-416.	1.2	28

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127	Obstetric Brachial Plexus Palsy. Deutsches Ärzteblatt International, 2009, 106, 83-90.	0.6	28
128	Organ manifestations of COVID-19: what have we learned so far (not only) from autopsies?. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2022, 481, 139-159.	1.4	28
129	Facioscapulohumeral muscular dystrophy presenting with unusual phenotypes and atypical morphological features of vacuolar myopathy. Journal of Neurology, 2010, 257, 1108-1118.	1.8	26
130	Chronic Augmentation of the Parasympathetic Tone to the Atrioventricular Node: A Nonthoracotomy Neurostimulation Technique for Ventricular Rate Control During Atrial Fibrillation. Journal of Cardiovascular Electrophysiology, 2010, 21, 193-199.	0.8	26
131	Endovascular Coil Embolization of Microsurgically Produced Experimental Bifurcation Aneurysms in Rabbits. World Neurosurgery, 1998, 49, 491-494.	1.3	25
132	Characterisation of cellâ€“substrate interactions between Schwann cells and threeâ€dimensional fibrin hydrogels containing orientated nanofibre topographical cues. European Journal of Neuroscience, 2016, 43, 376-387.	1.2	25
133	Underestimated associated features in <scp>CMT</scp> neuropathies: clinical indicators for the causative gene?. Brain and Behavior, 2016, 6, e00451.	1.0	25
134	Linking amyotrophic lateral sclerosis and spinal muscular atrophy through <scp>RNA</scp>â€transcriptome homeostasis: a genomics perspective. Journal of Neurochemistry, 2017, 141, 12-30.	2.1	25
135	Impairments in contractility and cytoskeletal organisation cause nuclear defects in nemaline myopathy. Acta Neuropathologica, 2019, 138, 477-495.	3.9	25
136	Sialylation and Muscle Performance: Sialic Acid Is a Marker of Muscle Ageing. PLoS ONE, 2013, 8, e80520.	1.1	24
137	Activation of osmolyte pathways in inflammatory myopathy and Duchenne muscular dystrophy points to osmoregulation as a contributing pathogenic mechanism. Laboratory Investigation, 2016, 96, 872-884.	1.7	24
138	Choline transporter mutations in severe congenital myasthenic syndrome disrupt transporter localization. Brain, 2017, 140, 2838-2850.	3.7	24
139	Severe complications after intrathecal methotrexate (MTX) for treatment of primary central nervous system lymphoma (PCNSL). Clinical Neurology and Neurosurgery, 2004, 106, 82-87.	0.6	23
140	Neurocognitive performance after cardiopulmonary resuscitation in pigs. Critical Care Medicine, 2008, 36, 842-847.	0.4	23
141	Sympathetic Neurons Express and Secrete MMP-2 and MT1-MMP to Control Nerve Sprouting via Pro-NGF Conversion. Cellular and Molecular Neurobiology, 2011, 31, 17-25.	1.7	23
142	Novel FHL1 mutation in a family with reducing body myopathy. Muscle and Nerve, 2013, 47, 127-134.	1.0	23
143	Mitochondrial abnormalities and intrafamilial variability of sural nerve biopsy findings in adrenomyeloneuropathy. Acta Neuropathologica, 1996, 92, 64-69.	3.9	22
144	Primary intraventricular schwannomas. Clinical Neurology and Neurosurgery, 2009, 111, 768-773.	0.6	22

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145	Prolonged Mechanical Ventilation Alters the Expression Pattern of Angio-neogenetic Factors in a Pre-Clinical Rat Model. PLoS ONE, 2013, 8, e70524.	1.1	22
146	Brain alterations with deep brain stimulation: New insight from a neuropathological case series. Movement Disorders, 2015, 30, 1125-1130.	2.2	22
147	Novel genetic and neuropathological insights in neurogenic muscle weakness, ataxia, and retinitis pigmentosa (NARP). Muscle and Nerve, 2016, 54, 328-333.	1.0	22
148	Aggregates of RNA Binding Proteins and ER Chaperones Linked to Exosomes in Granulovacuolar Degeneration of the Alzheimerâ€™s Disease Brain. Journal of Alzheimer's Disease, 2020, 75, 139-156.	1.2	22
149	Differences in the surface binding and endocytosis of neurotrophins by p75NTR. Molecular and Cellular Neurosciences, 2004, 26, 292-307.	1.0	21
150	Differential pattern of neuroprotection in lumbar, cervical and thoracic spinal cord segments in an organotypic rat model of glutamate-induced excitotoxicity. Journal of Chemical Neuroanatomy, 2013, 53, 11-17.	1.0	21
151	Sedation Using Propofol Induces Similar Diaphragm Dysfunction and Atrophy during Spontaneous Breathing and Mechanical Ventilation in Rats. Anesthesiology, 2014, 120, 665-672.	1.3	21
152	Inverted formin 2â€related Charcotâ€Marieâ€Tooth disease: extension of the mutational spectrum and pathological findings in Schwann cells and axons. Journal of the Peripheral Nervous System, 2015, 20, 52-59.	1.4	21
153	Autosomal dominant spinal muscular atrophy with lower extremity predominance: A recognizable phenotype of BICD2 mutations. Muscle and Nerve, 2016, 54, 496-500.	1.0	20
154	ALSâ€Associated Endoplasmic Reticulum Proteins in Denervated Skeletal Muscle: Implications for Motor Neuron Disease Pathology. Brain Pathology, 2017, 27, 781-794.	2.1	20
155	Clinical and morphological variability of the E396K mutation in the neurofilament light chain gene in patients with Charcot-Marie- Tooth disease type 2E. , 2014, 33, 335-343.		20
156	Unusually long survival time after resection and irradiation of a brain metastasis from osteosarcoma. Neurosurgical Review, 1990, 13, 247-252.	1.2	19
157	A Dual Role for HSP90 and HSP70 in the Inflammatory Myopathies. Annals of the New York Academy of Sciences, 2009, 1173, 463-469.	1.8	19
158	Repetitive Intrathecal VEGF₁₆₅ Treatment Has Limited Therapeutic Effects after Spinal Cord Injury in the Rat. Journal of Neurotrauma, 2010, 27, 1781-1791.	1.7	19
159	A role of nitric oxide in neurite outgrowth of neuroblastoma cells triggered by mevastatin or serum reduction. Neuroscience Letters, 2010, 468, 28-33.	1.0	19
160	Biochemical and pathological changes result from mutated Caveolin-3 in muscle. Skeletal Muscle, 2018, 8, 28.	1.9	19
161	Human CNTF and related cytokines: effects on DRG neurone survival. NeuroReport, 1995, 7, 153-157.	0.6	18
162	Trophic effects of cardiotrophin-1 and interleukin-11 on rat dorsal root ganglion neurons in vitro. Molecular Brain Research, 1999, 64, 80-84.	2.5	18

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163	The multifaceted character of lymphotoxin Î² in inflammatory myopathies and muscular dystrophies. Neuromuscular Disorders, 2012, 22, 712-719.	0.3	18
164	Modulation of Hippocampal Neuroplasticity by Fas/CD95 Regulatory Protein 2 (Faim2) in the Course of Bacterial Meningitis. Journal of Neuropathology and Experimental Neurology, 2014, 73, 2-13.	0.9	18
165	GFPT1 deficiency in muscle leads to myasthenia and myopathy in mice. Human Molecular Genetics, 2018, 27, 3218-3232.	1.4	18
166	Recovery of Diaphragm Function following Mechanical Ventilation in a Rodent Model. PLoS ONE, 2014, 9, e87460.	1.1	18
167	The Proximal Medial Sural Nerve Biopsy Model: A Standardised and Reproducible Baseline Clinical Model for the Translational Evaluation of Bioengineered Nerve Guides. BioMed Research International, 2014, 2014, 1-11.	0.9	17
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