

# Eva Feldman

## List of Publications by Citations

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504  
papers

31,616  
citations

94  
h-index

156  
g-index

534  
ext. papers

36,373  
ext. citations

7  
avg, IF

7.3  
L-index

#	Paper	IF	Citations
504	Diabetic neuropathies: a statement by the American Diabetes Association. <i>Diabetes Care</i> , <b>2005</b> , 28, 956-62.	14.6	1335
503	Diabetic Neuropathy: A Position Statement by the American Diabetes Association. <i>Diabetes Care</i> , <b>2017</b> , 40, 136-154	14.6	868
502	A practical two-step quantitative clinical and electrophysiological assessment for the diagnosis and staging of diabetic neuropathy. <i>Diabetes Care</i> , <b>1994</b> , 17, 1281-9	14.6	846
501	Oxidative stress in the pathogenesis of diabetic neuropathy. <i>Endocrine Reviews</i> , <b>2004</b> , 25, 612-28	27.2	652
500	Diabetic neuropathy: clinical manifestations and current treatments. <i>Lancet Neurology</i> , <b>2012</b> , 11, 521-34	24.1	603
499	Diabetic neuropathy: mechanisms to management <b>2008</b> , 120, 1-34		483
498	Lifestyle intervention for pre-diabetic neuropathy. <i>Diabetes Care</i> , <b>2006</b> , 29, 1294-9	14.6	434
497	High glucose-induced oxidative stress and mitochondrial dysfunction in neurons. <i>FASEB Journal</i> , <b>2002</b> , 16, 1738-48	0.9	397
496	New Horizons in Diabetic Neuropathy: Mechanisms, Bioenergetics, and Pain. <i>Neuron</i> , <b>2017</b> , 93, 1296-1313.	33.9	371
495	The insulin-like growth factor system and its pleiotropic functions in brain. <i>Endocrine Reviews</i> , <b>2005</b> , 26, 916-43	27.2	367
494	Diabetic neuropathy: cellular mechanisms as therapeutic targets. <i>Nature Reviews Neurology</i> , <b>2011</b> , 7, 573-83	15	347
493	Neurons undergo apoptosis in animal and cell culture models of diabetes. <i>Neurobiology of Disease</i> , <b>1999</b> , 6, 347-63	7.5	344
492	Aligned electrospun nanofibers specify the direction of dorsal root ganglia neurite growth. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2007</b> , 83, 636-45	5.4	302
491	Genome-wide Analyses Identify KIF5A as a Novel ALS Gene. <i>Neuron</i> , <b>2018</b> , 97, 1268-1283.e6	13.9	296
490	How does diabetes accelerate Alzheimer disease pathology?. <i>Nature Reviews Neurology</i> , <b>2010</b> , 6, 551-9	15	294
489	Diabetic neuropathy. <i>Nature Reviews Disease Primers</i> , <b>2019</b> , 5, 41	51.1	283
488	Diabetic polyneuropathies: update on research definition, diagnostic criteria and estimation of severity. <i>Diabetes/Metabolism Research and Reviews</i> , <b>2011</b> , 27, 620-8	7.5	278

487	Microvascular complications of impaired glucose tolerance. <i>Diabetes</i> , <b>2003</b> , 52, 2867-73	0.9	274
486	Ataxic sensory neuropathy and dorsal root ganglionitis associated with Sjögren's syndrome. <i>Annals of Neurology</i> , <b>1990</b> , 27, 304-15	9.4	261
485	Effect of prior intensive insulin treatment during the Diabetes Control and Complications Trial (DCCT) on peripheral neuropathy in type 1 diabetes during the Epidemiology of Diabetes Interventions and Complications (EDIC) Study. <i>Diabetes Care</i> , <b>2010</b> , 33, 1090-6	14.6	259
484	Neuropathy among the diabetes control and complications trial cohort 8 years after trial completion. <i>Diabetes Care</i> , <b>2006</b> , 29, 340-4	14.6	245
483	Control of cell survival by IGF signaling pathways. <i>Growth Hormone and IGF Research</i> , <b>2002</b> , 12, 193-7	2	240
482	Complications: neuropathy, pathogenetic considerations. <i>Diabetes Care</i> , <b>1992</b> , 15, 1902-25	14.6	240
481	Use of the Michigan Neuropathy Screening Instrument as a measure of distal symmetrical peripheral neuropathy in Type 1 diabetes: results from the Diabetes Control and Complications Trial/Epidemiology of Diabetes Interventions and Complications. <i>Diabetic Medicine</i> , <b>2012</b> , 29, 937-44	3.5	235
480	Lower motor neuron syndromes defined by patterns of weakness, nerve conduction abnormalities, and high titers of antiglycolipid antibodies. <i>Annals of Neurology</i> , <b>1990</b> , 27, 316-26	9.4	232
479	Effects of prior intensive insulin therapy on cardiac autonomic nervous system function in type 1 diabetes mellitus: the Diabetes Control and Complications Trial/Epidemiology of Diabetes Interventions and Complications study (DCCT/EDIC). <i>Circulation</i> , <b>2009</b> , 119, 2886-93	16.7	229
478	Enhanced glucose control for preventing and treating diabetic neuropathy. <i>The Cochrane Library</i> , <b>2012</b> , CD007543	5.2	226
477	From fibrosis to sclerosis: mechanisms of glomerulosclerosis in diabetic nephropathy. <i>Diabetes</i> , <b>2008</b> , 57, 1439-45	0.9	219
476	Elevated triglycerides correlate with progression of diabetic neuropathy. <i>Diabetes</i> , <b>2009</b> , 58, 1634-40	0.9	217
475	Lumbar intraspinal injection of neural stem cells in patients with amyotrophic lateral sclerosis: results of a phase I trial in 12 patients. <i>Stem Cells</i> , <b>2012</b> , 30, 1144-51	5.8	205
474	Short-term hyperglycemia produces oxidative damage and apoptosis in neurons. <i>FASEB Journal</i> , <b>2005</b> , 19, 638-40	0.9	198
473	Neurological consequences of obesity. <i>Lancet Neurology</i> , <b>2017</b> , 16, 465-477	24.1	192
472	Dyslipidemia-induced neuropathy in mice: the role of oxLDL/LOX-1. <i>Diabetes</i> , <b>2009</b> , 58, 2376-85	0.9	186
471	Receptor for advanced glycation end products activation injures primary sensory neurons via oxidative stress. <i>Endocrinology</i> , <b>2007</b> , 148, 548-58	4.8	186
470	Insulin resistance in the nervous system. <i>Trends in Endocrinology and Metabolism</i> , <b>2012</b> , 23, 133-41	8.8	185

469	Increased tau phosphorylation and cleavage in mouse models of type 1 and type 2 diabetes. <i>Endocrinology</i> , <b>2009</b> , 150, 5294-301	4.8	182
468	Mechanisms of disease: the oxidative stress theory of diabetic neuropathy. <i>Reviews in Endocrine and Metabolic Disorders</i> , <b>2008</b> , 9, 301-14	10.5	179
467	Immunosuppressive treatment in multifocal motor neuropathy. <i>Annals of Neurology</i> , <b>1991</b> , 30, 397-401	9.4	178
466	Stem cell technology for neurodegenerative diseases. <i>Annals of Neurology</i> , <b>2011</b> , 70, 353-61	9.4	174
465	Glucose-induced oxidative stress and programmed cell death in diabetic neuropathy. <i>European Journal of Pharmacology</i> , <b>1999</b> , 375, 217-23	5.3	173
464	Loss of myotubularin function results in T-tubule disorganization in zebrafish and human myotubular myopathy. <i>PLoS Genetics</i> , <b>2009</b> , 5, e1000372	6	172
463	Insulin-like growth factors regulate neuronal differentiation and survival. <i>Neurobiology of Disease</i> , <b>1997</b> , 4, 201-14	7.5	169
462	Insulin resistance as a key link for the increased risk of cognitive impairment in the metabolic syndrome. <i>Experimental and Molecular Medicine</i> , <b>2015</b> , 47, e149	12.8	167
461	The linked roles of nitric oxide, aldose reductase and, (Na <sup>+</sup> ,K <sup>+</sup> )-ATPase in the slowing of nerve conduction in the streptozotocin diabetic rat. <i>Journal of Clinical Investigation</i> , <b>1994</b> , 94, 853-9	15.9	158
460	Insulin-like growth factor-I and central nervous system development. <i>Hormone and Metabolic Research</i> , <b>1999</b> , 31, 120-5	3.1	157
459	Signaling mechanisms that regulate actin-based motility processes in the nervous system. <i>Journal of Neurochemistry</i> , <b>2002</b> , 83, 490-503	6	156
458	Intraspinal neural stem cell transplantation in amyotrophic lateral sclerosis: phase 1 trial outcomes. <i>Annals of Neurology</i> , <b>2014</b> , 75, 363-73	9.4	155
457	Decreased glycolytic and tricarboxylic acid cycle intermediates coincide with peripheral nervous system oxidative stress in a murine model of type 2 diabetes. <i>Journal of Endocrinology</i> , <b>2013</b> , 216, 1-11	4.7	154
456	The Utah Early Neuropathy Scale: a sensitive clinical scale for early sensory predominant neuropathy. <i>Journal of the Peripheral Nervous System</i> , <b>2008</b> , 13, 218-27	4.7	150
455	Amyotrophic lateral sclerosis: mechanisms and therapeutics in the epigenomic era. <i>Nature Reviews Neurology</i> , <b>2015</b> , 11, 266-79	15	145
454	SUMOylation of the mitochondrial fission protein Drp1 occurs at multiple nonconsensus sites within the B domain and is linked to its activity cycle. <i>FASEB Journal</i> , <b>2009</b> , 23, 3917-27	0.9	140
453	IGF-I prevents glutamate-induced motor neuron programmed cell death. <i>Neurobiology of Disease</i> , <b>2004</b> , 16, 407-16	7.5	135
452	Phosphatidylinositol 3-kinase and Akt effectors mediate insulin-like growth factor-I neuroprotection in dorsal root ganglia neurons. <i>FASEB Journal</i> , <b>2004</b> , 18, 1544-6	0.9	134

451	Prevalence of and Risk Factors for Diabetic Peripheral Neuropathy in Youth With Type 1 and Type 2 Diabetes: SEARCH for Diabetes in Youth Study. <i>Diabetes Care</i> , <b>2017</b> , 40, 1226-1232	14.6	133
450	Type I insulin-like growth factor receptor activation regulates apoptotic proteins. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 31791-4	5.4	133
449	Insulin-like growth factor I rescues SH-SY5Y human neuroblastoma cells from hyperosmotic induced programmed cell death. <i>Journal of Cellular Physiology</i> , <b>1996</b> , 166, 323-31	7	132
448	Tissue-specific metabolic reprogramming drives nutrient flux in diabetic complications. <i>JCI Insight</i> , <b>2016</b> , 1, e86976	9.9	132
447	Loss of Miro1-directed mitochondrial movement results in a novel murine model for neuron disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E3631-40	11.5	131
446	Mouse models of diabetic neuropathy. <i>Neurobiology of Disease</i> , <b>2007</b> , 28, 276-85	7.5	131
445	The aetiology of diabetic neuropathy: the combined roles of metabolic and vascular defects. <i>Diabetic Medicine</i> , <b>1995</b> , 12, 566-79	3.5	131
444	The design of electrospun PLLA nanofiber scaffolds compatible with serum-free growth of primary motor and sensory neurons. <i>Acta Biomaterialia</i> , <b>2008</b> , 4, 863-75	10.8	128
443	Insulin-like growth factor-I-mediated neurite outgrowth in vitro requires mitogen-activated protein kinase activation. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 21268-73	5.4	125
442	Distal Symmetric Polyneuropathy: A Review. <i>JAMA - Journal of the American Medical Association</i> , <b>2015</b> , 314, 2172-81	27.4	123
441	Long-term follow-up of patients with chronic inflammatory demyelinating polyradiculoneuropathy, without and with monoclonal gammopathy. <i>Brain</i> , <b>1995</b> , 118 ( Pt 2), 359-68	11.2	123
440	Inflammation as a Therapeutic Target for Diabetic Neuropathies. <i>Current Diabetes Reports</i> , <b>2016</b> , 16, 29	5.6	122
439	Kindlin-2 is an essential component of intercalated discs and is required for vertebrate cardiac structure and function. <i>Circulation Research</i> , <b>2008</b> , 102, 423-31	15.7	122
438	Mouse models of diabetic neuropathy. <i>ILAR Journal</i> , <b>2014</b> , 54, 259-72	1.7	120
437	Neuroinflammation, COX-2, and ALS--a dual role?. <i>Experimental Neurology</i> , <b>2004</b> , 187, 1-10	5.7	120
436	The role of growth factors in diabetic peripheral neuropathy. <i>Journal of the Peripheral Nervous System</i> , <b>2004</b> , 9, 26-53	4.7	118
435	Epigenetic changes in bone marrow progenitor cells influence the inflammatory phenotype and alter wound healing in type 2 diabetes. <i>Diabetes</i> , <b>2015</b> , 64, 1420-30	0.9	117
434	Tyrosine phosphorylation of paxillin and focal adhesion kinase during insulin-like growth factor-I-stimulated lamellipodial advance. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 5214-8	5.4	117

433	Hyperlipidemia: a new therapeutic target for diabetic neuropathy. <i>Journal of the Peripheral Nervous System</i> , <b>2009</b> , 14, 257-67	4.7	116
432	Intraspinal stem cell transplantation in amyotrophic lateral sclerosis: a phase I safety trial, technical note, and lumbar safety outcomes. <i>Neurosurgery</i> , <b>2012</b> , 71, 405-16; discussion 416	3.2	116
431	A multicenter study on the prevalence of diabetic neuropathy in Italy. Italian Diabetic Neuropathy Committee. <i>Diabetes Care</i> , <b>1997</b> , 20, 836-43	14.6	115
430	Diabetes regulates mitochondrial biogenesis and fission in mouse neurons. <i>Diabetologia</i> , <b>2010</b> , 53, 160-9	10.3	114
429	Oxidative stress and diabetic neuropathy: a new understanding of an old problem. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 111, 431-433	15.9	109
428	New insights into the mechanisms of diabetic complications: role of lipids and lipid metabolism. <i>Diabetologia</i> , <b>2019</b> , 62, 1539-1549	10.3	107
427	The identification of gene expression profiles associated with progression of human diabetic neuropathy. <i>Brain</i> , <b>2011</b> , 134, 3222-35	11.2	106
426	Identification of epigenetically altered genes in sporadic amyotrophic lateral sclerosis. <i>PLoS ONE</i> , <b>2012</b> , 7, e52672	3.7	105
425	Scintigraphic assessment of regionalized defects in myocardial sympathetic innervation and blood flow regulation in diabetic patients with autonomic neuropathy. <i>Journal of the American College of Cardiology</i> , <b>1998</b> , 31, 1575-84	15.1	105
424	Insulin-like growth factor-I prevents apoptosis in neurons after nerve growth factor withdrawal. <i>Journal of Neurobiology</i> , <b>1998</b> , 36, 455-67		104
423	Phenotyping animal models of diabetic neuropathy: a consensus statement of the diabetic neuropathy study group of the EASD (Neurodiab). <i>Journal of the Peripheral Nervous System</i> , <b>2014</b> , 19, 77-87	4.7	103
422	Diabetic neuropathy: one disease or two?. <i>Current Opinion in Neurology</i> , <b>2012</b> , 25, 536-41	7.1	103
421	Mitochondrial biogenesis and fission in axons in cell culture and animal models of diabetic neuropathy. <i>Acta Neuropathologica</i> , <b>2010</b> , 120, 477-89	14.3	103
420	Oxidative stress and diabetic neuropathy: a new understanding of an old problem. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 111, 431-3	15.9	103
419	Insulin-like growth factor-I and over-expression of Bcl-xL prevent glucose-mediated apoptosis in Schwann cells. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2001</b> , 60, 147-60	3.1	102
418	Insulin-like growth factor-I prevents caspase-mediated apoptosis in Schwann cells. <i>Journal of Neurobiology</i> , <b>1999</b> , 41, 540-8		102
417	Perspective: Transforming science into medicine: how clinician-scientists can build bridges across research's "valley of death". <i>Academic Medicine</i> , <b>2012</b> , 87, 266-70	3.9	101
416	Assessing autonomic dysfunction in early diabetic neuropathy: the Survey of Autonomic Symptoms. <i>Neurology</i> , <b>2011</b> , 76, 1099-105	6.5	99

415	Metabolic Syndrome Components Are Associated With Symptomatic Polyneuropathy Independent of Glycemic Status. <i>Diabetes Care</i> , <b>2016</b> , 39, 801-7	14.6	97
414	Risk Factors for Incident Diabetic Polyneuropathy in a Cohort With Screen-Detected Type 2 Diabetes Followed for 13 Years: ADDITION-Denmark. <i>Diabetes Care</i> , <b>2018</b> , 41, 1068-1075	14.6	96
413	Transplantation of spinal cord-derived neural stem cells for ALS: Analysis of phase 1 and 2 trials. <i>Neurology</i> , <b>2016</b> , 87, 392-400	6.5	95
412	Mechanisms of disease: mitochondria as new therapeutic targets in diabetic neuropathy. <i>Nature Clinical Practice Neurology</i> , <b>2006</b> , 2, 620-8		95
411	Mitochondria in DRG neurons undergo hyperglycemic mediated injury through Bim, Bax and the fission protein Drp1. <i>Neurobiology of Disease</i> , <b>2006</b> , 23, 11-22	7.5	94
410	Association Between Metabolic Syndrome Components and Polyneuropathy in an Obese Population. <i>JAMA Neurology</i> , <b>2016</b> , 73, 1468-1476	17.2	93
409	Insulin-like growth factor-I prevents apoptosis in sympathetic neurons exposed to high glucose. <i>Hormone and Metabolic Research</i> , <b>1999</b> , 31, 90-6	3.1	91
408	Lack of both bradykinin B1 and B2 receptors enhances nephropathy, neuropathy, and bone mineral loss in Akita diabetic mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 10190-5	11.5	90
407	Characterization of insulin-like growth factor-I and its receptor and binding proteins in transected nerves and cultured Schwann cells. <i>Journal of Neurochemistry</i> , <b>1996</b> , 66, 525-36	6	90
406	DCCT and EDIC studies in type 1 diabetes: lessons for diabetic neuropathy regarding metabolic memory and natural history. <i>Current Diabetes Reports</i> , <b>2010</b> , 10, 276-82	5.6	89
405	Bidirectional regulation of p38 kinase and c-Jun N-terminal protein kinase by insulin-like growth factor-I. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 14560-5	5.4	89
404	SOD2 protects neurons from injury in cell culture and animal models of diabetic neuropathy. <i>Experimental Neurology</i> , <b>2007</b> , 208, 216-27	5.7	88
403	An imbalance between excitatory and inhibitory neurotransmitters in amyotrophic lateral sclerosis revealed by use of 3-T proton magnetic resonance spectroscopy. <i>JAMA Neurology</i> , <b>2013</b> , 70, 1009-16	17.2	87
402	Insulin-like growth factor I receptor prevents apoptosis and enhances neuroblastoma tumorigenesis. <i>Cancer Research</i> , <b>1996</b> , 56, 4522-9	10.1	87
401	Intraspinal stem cell transplantation in amyotrophic lateral sclerosis: a phase I trial, cervical microinjection, and final surgical safety outcomes. <i>Neurosurgery</i> , <b>2014</b> , 74, 77-87	3.2	84
400	Zebrafish models of collagen VI-related myopathies. <i>Human Molecular Genetics</i> , <b>2010</b> , 19, 2433-44	5.6	84
399	Decreased motor cortex GABAergic neurotransmission in amyotrophic lateral sclerosis. <i>Neurology</i> , <b>2012</b> , 78, 1596-605	6.0	84
398	Diabetic neuropathy: scope of the syndrome. <i>American Journal of Medicine</i> , <b>1999</b> , 107, 2S-8S	2.4	83

397	Update on diabetic neuropathy. <i>Current Opinion in Neurology</i> , <b>2002</b> , 15, 595-603	7.1	82
396	Correlation of Peripheral Immunity With Rapid Amyotrophic Lateral Sclerosis Progression. <i>JAMA Neurology</i> , <b>2017</b> , 74, 1446-1454	17.2	80
395	Sensory neurons and schwann cells respond to oxidative stress by increasing antioxidant defense mechanisms. <i>Antioxidants and Redox Signaling</i> , <b>2009</b> , 11, 425-38	8.4	79
394	Hyperinsulinemia induces insulin resistance in dorsal root ganglion neurons. <i>Endocrinology</i> , <b>2011</b> , 152, 3638-47	4.8	78
393	25 years of neuroimaging in amyotrophic lateral sclerosis. <i>Nature Reviews Neurology</i> , <b>2013</b> , 9, 513-24	15	75
392	Human neural stem cell replacement therapy for amyotrophic lateral sclerosis by spinal transplantation. <i>PLoS ONE</i> , <b>2012</b> , 7, e42614	3.7	75
391	Transcriptional profiling of diabetic neuropathy in the BKS db/db mouse: a model of type 2 diabetes. <i>Diabetes</i> , <b>2011</b> , 60, 1981-9	0.9	74
390	Positive neuropathic sensory symptoms as endpoints in diabetic neuropathy trials. <i>Journal of the Neurological Sciences</i> , <b>2001</b> , 189, 3-5	3.2	74
389	Shared polygenic risk and causal inferences in amyotrophic lateral sclerosis. <i>Annals of Neurology</i> , <b>2019</b> , 85, 470-481	9.4	72
388	Nerve growth factor mediates mechanical allodynia in a mouse model of type 2 diabetes. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2009</b> , 68, 1229-43	3.1	72
387	Clinical testing in diabetic peripheral neuropathy. <i>Canadian Journal of Neurological Sciences</i> , <b>1994</b> , 21, S3-7	1	72
386	Oxidative injury and neuropathy in diabetes and impaired glucose tolerance. <i>Neurobiology of Disease</i> , <b>2008</b> , 30, 420-429	7.5	71
385	Insulin-like growth factor-I signaling in human neuroblastoma cells. <i>Oncogene</i> , <b>2004</b> , 23, 130-41	9.2	71
384	Role of neurologists and diagnostic tests on the management of distal symmetric polyneuropathy. <i>JAMA Neurology</i> , <b>2014</b> , 71, 1143-9	17.2	69
383	SciMiner: web-based literature mining tool for target identification and functional enrichment analysis. <i>Bioinformatics</i> , <b>2009</b> , 25, 838-40	7.2	69
382	Diabetes and obesity are the main metabolic drivers of peripheral neuropathy. <i>Annals of Clinical and Translational Neurology</i> , <b>2018</b> , 5, 397-405	5.3	68
381	Evidence-based guideline: Treatment of painful diabetic neuropathy: report of the American Academy of Neurology, the American Association of Neuromuscular and Electrodiagnostic Medicine, and the American Academy of Physical Medicine and Rehabilitation. <i>PM and R</i> , <b>2011</b> , 3, 345-52, 352.e1-21	2.2	68
380	Insulin-like growth factor-I receptor expression regulates neuroblastoma metastasis to bone. <i>Cancer Research</i> , <b>2006</b> , 66, 6570-8	10.1	68



379	Association of Environmental Toxins With Amyotrophic Lateral Sclerosis. <i>JAMA Neurology</i> , <b>2016</b> , 73, 803-812	11.2	68
378	Increased axonal regeneration and swellings in intraepidermal nerve fibers characterize painful phenotypes of diabetic neuropathy. <i>Journal of Pain</i> , <b>2013</b> , 14, 941-7	5.2	67
377	mnd2: a new mouse model of inherited motor neuron disease. <i>Genomics</i> , <b>1993</b> , 16, 669-77	4.3	67
376	Peripheral neuropathy in adolescents and young adults with type 1 and type 2 diabetes from the SEARCH for Diabetes in Youth follow-up cohort: a pilot study. <i>Diabetes Care</i> , <b>2013</b> , 36, 3903-8	14.6	66
375	Kindlin-2 is required for myocyte elongation and is essential for myogenesis. <i>BMC Cell Biology</i> , <b>2008</b> , 9, 36		66
374	GTPases and Phosphatidylinositol 3-Kinase Are Critical for Insulin-like Growth Factor-I-mediated Schwann Cell Motility. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 27197-27204	5.4	66
373	Zebrafish MTMR14 is required for excitation-contraction coupling, developmental motor function and the regulation of autophagy. <i>Human Molecular Genetics</i> , <b>2010</b> , 19, 2668-81	5.6	65
372	Studies on the localization of newly added membrane in growing neurites. <i>Journal of Neurobiology</i> , <b>1981</b> , 12, 591-8		65
371	The association of exposure to lead, mercury, and selenium and the development of amyotrophic lateral sclerosis and the epigenetic implications. <i>Neurodegenerative Diseases</i> , <b>2011</b> , 8, 1-8	2.3	64
370	Skeletal muscle weakness due to deficiency of CuZn-superoxide dismutase is associated with loss of functional innervation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2011</b> , 301, R1400-7	3.2	64
369	Acetyl-L-carnitine deficiency as a cause of altered nerve myo-inositol content, Na,K-ATPase activity, and motor conduction velocity in the streptozotocin-diabetic rat. <i>Metabolism: Clinical and Experimental</i> , <b>1996</b> , 45, 865-72	12.7	64
368	Translational stem cell therapy for amyotrophic lateral sclerosis. <i>Nature Reviews Neurology</i> , <b>2011</b> , 8, 172-85	15	63
367	The metabolic syndrome and neuropathy: therapeutic challenges and opportunities. <i>Annals of Neurology</i> , <b>2013</b> , 74, 397-403	9.4	63
366	Intraspinal cord delivery of IGF-I mediated by adeno-associated virus 2 is neuroprotective in a rat model of familial ALS. <i>Neurobiology of Disease</i> , <b>2009</b> , 33, 473-81	7.5	63
365	Vascular endothelial growth factor prevents G93A-SOD1-induced motor neuron degeneration. <i>Developmental Neurobiology</i> , <b>2009</b> , 69, 871-84	3.2	63
364	Rosiglitazone reduces renal and plasma markers of oxidative injury and reverses urinary metabolite abnormalities in the amelioration of diabetic nephropathy. <i>American Journal of Physiology - Renal Physiology</i> , <b>2008</b> , 295, F1071-81	4.3	63
363	Abnormal RNA stability in amyotrophic lateral sclerosis. <i>Nature Communications</i> , <b>2018</b> , 9, 2845	17.4	62
362	Hydrogen peroxide-induced Akt phosphorylation regulates Bax activation. <i>Biochimie</i> , <b>2009</b> , 91, 577-85	4.6	62

361	Accelerated neuritogenesis and maturation of primary spinal motor neurons in response to nanofibers. <i>Developmental Neurobiology</i> , <b>2010</b> , 70, 589-603	3.2	62
360	New insights into the mechanisms of diabetic neuropathy. <i>Reviews in Endocrine and Metabolic Disorders</i> , <b>2004</b> , 5, 227-36	10.5	62
359	Diagnostic accuracy of diffusion tensor imaging in amyotrophic lateral sclerosis: a systematic review and individual patient data meta-analysis. <i>Academic Radiology</i> , <b>2013</b> , 20, 1099-106	4.3	61
358	Vibration perception threshold as a measure of distal symmetrical peripheral neuropathy in type 1 diabetes: results from the DCCT/EDIC study. <i>Diabetes Care</i> , <b>2010</b> , 33, 2635-41	14.6	61
357	Cortical neurons develop insulin resistance and blunted Akt signaling: a potential mechanism contributing to enhanced ischemic injury in diabetes. <i>Antioxidants and Redox Signaling</i> , <b>2011</b> , 14, 1829-39	8.4	61
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