Matthew C Kiernan

List of Publications by Citations

406 papers	17,407 citations	66 h-index	118 g-index
445 ext. papers	21,298 ext. citations	6.7 avg, IF	7 L-index

#	Paper	IF	Citations
406	Amyotrophic lateral sclerosis. *Lancet, The*, **2011**, 377, 942-55	40	1665
405	Chemotherapy-induced peripheral neurotoxicity: a critical analysis. *Ca-A Cancer Journal for Clinicians*, **2013**, 63, 419-37	220.7	410
404	Clinical diagnosis and management of amyotrophic lateral sclerosis. *Nature Reviews Neurology*, **2011**, 7, 639-49	15	398
403	Controversies and priorities in amyotrophic lateral sclerosis. *Lancet Neurology, The*, **2013**, 12, 310-22	24.1	377
402	Multiple measures of axonal excitability: a new approach in clinical testing. *Muscle and Nerve*, **2000**, 23, 399-409	3.4	352
401	Biomarkers in amyotrophic lateral sclerosis. *Lancet Neurology, The*, **2009**, 8, 94-109	24.1	340
400	Excitability of human axons. *Clinical Neurophysiology*, **2001**, 112, 1575-85	4.3	339
399	Genome-wide association analyses identify new risk variants and the genetic architecture of amyotrophic lateral sclerosis. *Nature Genetics*, **2016**, 48, 1043-8	36.3	328
398	Cortical hyperexcitability may precede the onset of familial amyotrophic lateral sclerosis. *Brain*, **2008**, 131, 1540-50	11.2	307
397	Strength-duration properties of human peripheral nerve. *Brain*, **1996**, 119 (Pt 2), 439-47	11.2	272
396	Chronic inflammatory demyelinating polyradiculoneuropathy: from pathology to phenotype. *Journal of Neurology, Neurosurgery and Psychiatry*, **2015**, 86, 973-85	5.5	243
395	Novel threshold tracking techniques suggest that cortical hyperexcitability is an early feature of motor neuron disease. *Brain*, **2006**, 129, 2436-46	11.2	227
394	Amyotrophic lateral sclerosis: moving towards a new classification system. *Lancet Neurology, The*, **2016**, 15, 1182-94	24.1	221
393	Motor neuron dysfunction in frontotemporal dementia. *Brain*, **2011**, 134, 2582-94	11.2	219
392	The frontotemporal dementia-motor neuron disease continuum. *Lancet, The*, **2016**, 388, 919-31	40	191
391	FUS mutations in amyotrophic lateral sclerosis: clinical, pathological, neurophysiological and genetic analysis. *Journal of Neurology, Neurosurgery and Psychiatry*, **2010**, 81, 639-45	5.5	177
390	Oxaliplatin-induced neurotoxicity and the development of neuropathy. *Muscle and Nerve*, **2005**, 32, 51-60	3.4	170

389	Transcranial magnetic stimulation and amyotrophic lateral sclerosis: pathophysiological insights. *Journal of Neurology, Neurosurgery and Psychiatry*, **2013**, 84, 1161-70	5.5	167
388	Activity-dependent hyperpolarization of human motor axons produced by natural activity. *Journal of Physiology*, **1998**, 507 (Pt 3), 919-25	3.9	166
387	Oxaliplatin-induced neurotoxicity: changes in axonal excitability precede development of neuropathy. *Brain*, **2009**, 132, 2712-23	11.2	155
386	Advances in treating amyotrophic lateral sclerosis: insights from pathophysiological studies. *Trends in Neurosciences*, **2014**, 37, 433-42	13.3	150
385	Long-term neuropathy after oxaliplatin treatment: challenging the dictum of reversibility. *Oncologist*, **2011**, 16, 708-16	5.7	148
384	Evidence for axonal membrane hyperpolarization in multifocal motor neuropathy with conduction block. *Brain*, **2002**, 125, 664-75	11.2	148
383	Axonal excitability properties in amyotrophic lateral sclerosis. *Clinical Neurophysiology*, **2006**, 117, 1458-66	4.3	145
382	Acute tetrodotoxin-induced neurotoxicity after ingestion of puffer fish. *Annals of Neurology*, **2005**, 57, 339-48	9.4	145
381	Grey and white matter changes across the amyotrophic lateral sclerosis-frontotemporal dementia continuum. *PLoS ONE*, **2012**, 7, e43993	3.7	139
380	How common are behavioural changes in amyotrophic lateral sclerosis?. *Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders*, **2011**, 12, 45-51		138
379	Assessment of cortical excitability using threshold tracking techniques. *Muscle and Nerve*, **2006**, 33, 477-86	3.4	137
378	Axonal ion channels from bench to bedside: a translational neuroscience perspective. *Progress in Neurobiology*, **2009**, 89, 288-313	10.9	131
377	Clinical evaluation of excitability measures in sensory nerve. *Muscle and Nerve*, **2001**, 24, 883-92	3.4	128
376	Acute abnormalities of sensory nerve function associated with oxaliplatin-induced neurotoxicity. *Journal of Clinical Oncology*, **2009**, 27, 1243-9	2.2	125
375	Sensitivity and specificity of threshold tracking transcranial magnetic stimulation for diagnosis of amyotrophic lateral sclerosis: a prospective study. *Lancet Neurology, The*, **2015**, 14, 478-84	24.1	124
374	Pathophysiological and diagnostic implications of cortical dysfunction in ALS. *Nature Reviews Neurology*, **2016**, 12, 651-661	15	119
373	Kidney-brain crosstalk in the acute and chronic setting. *Nature Reviews Nephrology*, **2015**, 11, 707-19	14.9	115
372	Frontotemporal dementia associated with the C9ORF72 mutation: a unique clinical profile. *JAMA Neurology*, **2014**, 71, 331-9	17.2	112

371	Differences in activity-dependent hyperpolarization in human sensory and motor axons. *Journal of Physiology*, **2004**, 558, 341-9	3.9	112
370	Nerve excitability changes in chronic renal failure indicate membrane depolarization due to hyperkalaemia. *Brain*, **2002**, 125, 1366-78	11.2	111
369	Emerging therapies and challenges in spinal muscular atrophy. *Annals of Neurology*, **2017**, 81, 355-368	9.4	109
368	Amyotrophic lateral sclerosis and frontotemporal dementia: A behavioural and cognitive continuum. *Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders*, **2012**, 13, 102-9		107
367	Does interneuronal dysfunction contribute to neurodegeneration in amyotrophic lateral sclerosis?. *Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders*, **2012**, 13, 245-50		104
366	Quantifying disease progression in amyotrophic lateral sclerosis. *Annals of Neurology*, **2014**, 76, 643-57	9.4	102
365	Riluzole exerts central and peripheral modulating effects in amyotrophic lateral sclerosis. *Brain*, **2013**, 136, 1361-70	11.2	102
364	Cortical excitability distinguishes ALS from mimic disorders. *Clinical Neurophysiology*, **2011**, 122, 1860-6	4.3	101
363	Altered nerve excitability properties in established diabetic neuropathy. *Brain*, **2005**, 128, 1178-87	11.2	101
362	Cortical hyperexcitability precedes lower motor neuron dysfunction in ALS. *Clinical Neurophysiology* , **2015**, 126, 803-9	4.3	98
361	Recent Developments in TSPO PET Imaging as A Biomarker of Neuroinflammation in Neurodegenerative Disorders. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	97
360	Cortical influences drive amyotrophic lateral sclerosis. *Journal of Neurology, Neurosurgery and Psychiatry*, **2017**, 88, 917-924	5.5	97
359	Altered motor nerve excitability in end-stage kidney disease. *Brain*, **2005**, 128, 2164-74	11.2	95
358	The puzzling case of hyperexcitability in amyotrophic lateral sclerosis. *Journal of Clinical Neurology (Korea*, **2013**, 9, 65-74	1.7	91
357	A proposal for new diagnostic criteria for ALS. *Clinical Neurophysiology*, **2020**, 131, 1975-1978	4.3	91
356	Amyotrophic lateral sclerosis and frontotemporal dementia: distinct and overlapping changes in eating behaviour and metabolism. *Lancet Neurology, The*, **2016**, 15, 332-42	24.1	88
355	Retiring the term FTDP-17 as MAPT mutations are genetic forms of sporadic frontotemporal tauopathies. *Brain*, **2018**, 141, 521-534	11.2	84
354	Pathophysiological insights into ALS with C9ORF72 expansions. *Journal of Neurology, Neurosurgery and Psychiatry*, **2013**, 84, 931-5	5.5	80

353	Cortical atrophy in ALS is critically associated with neuropsychiatric and cognitive changes. *Neurology*, **2013**, 80, 1117-23	6.5	80
352	Neuropsychiatric changes precede classic motor symptoms in ALS and do not affect survival. *Neurology*, **2014**, 82, 149-55	6.5	79
351	Neuroinflammation in frontotemporal dementia. *Nature Reviews Neurology*, **2019**, 15, 540-555	15	77
350	Impact of oxaliplatin-induced neuropathy: a patient perspective. *Supportive Care in Cancer*, **2012**, 20, 2959-67	3.9	76
349	Axonal changes in spinal cord injured patients distal to the site of injury. *Brain*, **2007**, 130, 985-94	11.2	76
348	Abnormalities in cortical and peripheral excitability in flail arm variant amyotrophic lateral sclerosis. *Journal of Neurology, Neurosurgery and Psychiatry*, **2007**, 78, 849-52	5.5	75
347	Pathophysiological insights derived by natural history and motor function of spinal muscular atrophy. *Journal of Pediatrics*, **2013**, 162, 155-9	3.6	73
346	Activity-dependent excitability changes suggest Na+/K+ pump dysfunction in diabetic neuropathy. *Brain*, **2008**, 131, 1209-16	11.2	72
345	Neuronal network disintegration: common pathways linking neurodegenerative diseases. *Journal of Neurology, Neurosurgery and Psychiatry*, **2016**, 87, 1234-1241	5.5	69
344	Oxaliplatin and axonal Na+ channel function in vivo. *Clinical Cancer Research*, **2006**, 12, 4481-4	12.9	68
343	Riluzole, disease stage and survival in ALS. *Lancet Neurology, The*, **2018**, 17, 385-386	24.1	67
342	Assessment of the upper motor neuron in amyotrophic lateral sclerosis. *Clinical Neurophysiology*, **2016**, 127, 2643-60	4.3	67
341	TDP-43 proteinopathies: pathological identification of brain regions differentiating clinical phenotypes. *Brain*, **2015**, 138, 3110-22	11.2	66
340	Split-hand index for the diagnosis of amyotrophic lateral sclerosis. *Clinical Neurophysiology*, **2013**, 124, 410-6	4.3	66
339	Nerve function and dysfunction in acute intermittent porphyria. *Brain*, **2008**, 131, 2510-9	11.2	66
338	Consensus for experimental design in electromyography (CEDE) project: Amplitude normalization matrix. *Journal of Electromyography and Kinesiology*, **2020**, 53, 102438	2.5	64
337	Upregulation of persistent sodium conductances in familial ALS. *Journal of Neurology, Neurosurgery and Psychiatry*, **2010**, 81, 222-7	5.5	63
336	The Genetics of Spinal Muscular Atrophy: Progress and Challenges. *Neurotherapeutics*, **2015**, 12, 290-302	6.4	62

335	Assessment of disease progression in motor neuron disease. *Lancet Neurology, The*, **2005**, 4, 229-38	24.1	62
334	Conduction block in carpal tunnel syndrome. *Brain*, **1999**, 122 (Pt 5), 933-41	11.2	62
333	Cerebellar integrity in the amyotrophic lateral sclerosis-frontotemporal dementia continuum. *PLoS ONE*, **2014**, 9, e105632	3.7	60
332	Temperature dependence of excitability indices of human cutaneous afferents. *Muscle and Nerve*, **1999**, 22, 51-60	3.4	60
331	Cortical Function in Asymptomatic Carriers and Patients With C9orf72 Amyotrophic Lateral Sclerosis. *JAMA Neurology*, **2015**, 72, 1268-74	17.2	59
330	Primary lateral sclerosis: consensus diagnostic criteria. *Journal of Neurology, Neurosurgery and Psychiatry*, **2020**, 91, 373-377	5.5	59
329	Differentiating lower motor neuron syndromes. *Journal of Neurology, Neurosurgery and Psychiatry*, **2017**, 88, 474-483	5.5	58
328	Defining the mechanisms that underlie cortical hyperexcitability in amyotrophic lateral sclerosis. *Experimental Neurology*, **2009**, 220, 177-82	5.7	58
327	Cortical excitability testing distinguishes Kennedy's disease from amyotrophic lateral sclerosis. *Clinical Neurophysiology*, **2008**, 119, 1088-96	4.3	58
326	Eating behavior in frontotemporal dementia: Peripheral hormones vs hypothalamic pathology. *Neurology*, **2015**, 85, 1310-7	6.5	57
325	Assessment of Eating Behavior Disturbance and Associated Neural Networks in Frontotemporal Dementia. *JAMA Neurology*, **2016**, 73, 282-90	17.2	56
324	Transcranial Magnetic Stimulation for the Assessment of Neurodegenerative Disease. *Neurotherapeutics*, **2017**, 14, 91-106	6.4	56
323	Cortical dysfunction underlies the development of the split-hand in amyotrophic lateral sclerosis. *PLoS ONE*, **2014**, 9, e87124	3.7	55
322	The effects of alterations in conditioning stimulus intensity on short interval intracortical inhibition. *Brain Research*, **2009**, 1273, 39-47	3.7	55
321	Motor cortical function determines prognosis in sporadic ALS. *Neurology*, **2016**, 87, 513-20	6.5	54
320	Early, progressive, and sustained dysfunction of sensory axons underlies paclitaxel-induced neuropathy. *Muscle and Nerve*, **2011**, 43, 367-74	3.4	52
319	Physiological changes in neurodegeneration - mechanistic insights and clinical utility. *Nature Reviews Neurology*, **2018**, 14, 259-271	15	51
318	Mutation in the Na+ channel subunit SCN1B produces paradoxical changes in peripheral nerve excitability. *Brain*, **2005**, 128, 1841-6	11.2	51

317	TDP-43 proteinopathies: a new wave of neurodegenerative diseases. *Journal of Neurology, Neurosurgery and Psychiatry*, **2020**,	5.5	51
316	Psychiatric disorders in kindreds: Study of 1,414 family members. *Neurology*, **2018**, 91, e1498-e1507	6.5	50
315	Awaji criteria improves the diagnostic sensitivity in amyotrophic lateral sclerosis: A systematic review using individual patient data. *Clinical Neurophysiology*, **2016**, 127, 2684-91	4.3	49
314	Fasciculation in amyotrophic lateral sclerosis: origin and pathophysiological relevance. *Journal of Neurology, Neurosurgery and Psychiatry*, **2017**, 88, 773-779	5.5	48
313	Chemotherapy-Induced Peripheral Neuropathy in Long-term Survivors of Childhood Cancer: Clinical, Neurophysiological, Functional, and Patient-Reported Outcomes. *JAMA Neurology*, **2018**, 75, 980-988	17.2	47
312	Modulatory effects on axonal function after intravenous immunoglobulin therapy in chronic inflammatory demyelinating polyneuropathy. *Archives of Neurology*, **2011**, 68, 862-9		46
311	Improving clinical trial outcomes in amyotrophic lateral sclerosis. *Nature Reviews Neurology*, **2021**, 17, 104-118	15	46
310	Optimal clinical assessment strategies for chemotherapy-induced peripheral neuropathy (CIPN): a systematic review and Delphi survey. *Supportive Care in Cancer*, **2017**, 25, 3485-3493	3.9	45
309	Riluzole exerts transient modulating effects on cortical and axonal hyperexcitability in ALS. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, **2016**, 17, 580-588	3.6	44
308	Isolated bulbar phenotype of amyotrophic lateral sclerosis. *Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders*, **2011**, 12, 283-9		44
307	Fatigue and activity dependent changes in axonal excitability in amyotrophic lateral sclerosis. *Journal of Neurology, Neurosurgery and Psychiatry*, **2007**, 78, 1202-8	5.5	44
306	Sleep disorders and respiratory function in amyotrophic lateral sclerosis. *Sleep Medicine Reviews*, **2016**, 26, 33-42	10.2	43
305	Consensus for experimental design in electromyography (CEDE) project: Electrode selection matrix. *Journal of Electromyography and Kinesiology*, **2019**, 48, 128-144	2.5	43
304	A novel tool to detect behavioural symptoms in ALS. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, **2014**, 15, 298-304	3.6	42
303	Motor neuron disease-frontotemporal dementia: a clinical continuum. *Expert Review of Neurotherapeutics*, **2015**, 15, 509-22	4.3	41
302	What are the roles of carers in decision-making for amyotrophic lateral sclerosis multidisciplinary care?. *Patient Preference and Adherence*, **2013**, 7, 171-81	2.4	41
301	Neurophysiological index as a biomarker for ALS progression: validity of mixed effects models. *Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders*, **2011**, 12, 33-8		41
300	Imbalance of cortical facilitatory and inhibitory circuits underlies hyperexcitability in ALS. *Neurology* , **2018**, 91, e1669-e1676	6.5	41

299	Guillain-Barr□syndrome in Asia. *Journal of Neurology, Neurosurgery and Psychiatry*, **2014**, 85, 907-13	5.5	40
298	Systemic metabolism in frontotemporal dementia. *Neurology*, **2014**, 83, 1812-8	6.5	40
297	Study of motor asymmetry in ALS indicates an effect of limb dominance on onset and spread of weakness, and an important role for upper motor neurons. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, **2014**, 15, 481-7	3.6	39
296	Emotion processing deficits distinguish pure amyotrophic lateral sclerosis from frontotemporal dementia. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, **2014**, 15, 39-46	3.6	37
295	Nerve excitability properties in lower-limb motor axons: evidence for a length-dependent gradient. *Muscle and Nerve*, **2004**, 29, 645-55	3.4	37
294	Safety and efficacy of ozanezumab in patients with amyotrophic lateral sclerosis: a randomised, double-blind, placebo-controlled, phase 2 trial. *Lancet Neurology, The*, **2017**, 16, 208-216	24.1	36
293	The neural correlates and clinical characteristics of psychosis in the frontotemporal dementia continuum and the expansion. *NeuroImage: Clinical*, **2017**, 13, 439-445	5.3	35
292	Lipid Metabolism and Survival Across the Frontotemporal Dementia-Amyotrophic Lateral Sclerosis Spectrum: Relationships to Eating Behavior and Cognition. *Journal of Alzheimeris Disease*, **2018**, 61, 773-783	4.3	35
291	Progressive axonal dysfunction and clinical impairment in amyotrophic lateral sclerosis. *Clinical Neurophysiology*, **2012**, 123, 2460-7	4.3	35
290	FOSMN syndrome: novel insight into disease pathophysiology. *Neurology*, **2012**, 79, 73-9	6.5	35
289	The pathophysiology of oxaliplatin-induced neurotoxicity. *Current Medicinal Chemistry*, **2006**, 13, 2901-7	4.3	35
288	Purple pigments: the pathophysiology of acute porphyric neuropathy. *Clinical Neurophysiology*, **2011**, 122, 2336-44	4.3	34
287	Evidence for a causal relationship between hyperkalaemia and axonal dysfunction in end-stage kidney disease. *Clinical Neurophysiology*, **2014**, 125, 179-85	4.3	33
286	Neurophysiological and clinical outcomes in chemotherapy-induced neuropathy in cancer. *Clinical Neurophysiology*, **2017**, 128, 1166-1175	4.3	32
285	Safety and tolerability of Triumeq in amyotrophic lateral sclerosis: the Lighthouse trial. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, **2019**, 20, 595-604	3.6	32
284	Randomized, Controlled Trial of the Effect of Dietary Potassium Restriction on Nerve Function in CKD. *Clinical Journal of the American Society of Nephrology: CJASN*, **2017**, 12, 1569-1577	6.9	32
283	Semantic deficits in amyotrophic lateral sclerosis. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, **2015**, 16, 46-53	3.6	31
282	Dissociated lower limb muscle involvement in amyotrophic lateral sclerosis. *Journal of Neurology*, **2015**, 262, 1424-32	5.5	31

281	Diagnostic criteria in amyotrophic lateral sclerosis: A multicenter prospective study. *Neurology*, **2016**, 87, 684-90	6.5	31
280	ALS pathophysiology: insights from the split-hand phenomenon. *Clinical Neurophysiology*, **2014**, 125, 186-93	4.3	31
279	Split-hand plus sign in ALS: differential involvement of the flexor pollicis longus and intrinsic hand muscles. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, **2013**, 14, 315-8	3.6	31
278	Measurement of axonal excitability: Consensus guidelines. *Clinical Neurophysiology*, **2020**, 131, 308-323	4.3	31
277	Association of Leucine-Rich Glioma Inactivated Protein 1, Contactin-Associated Protein 2, and Contactin 2 Antibodies With Clinical Features and Patient-Reported Pain in Acquired Neuromyotonia. *JAMA Neurology*, **2018**, 75, 1519-1527	17.2	31
276	Changes in excitability and impulse transmission following prolonged repetitive activity in normal subjects and patients with a focal nerve lesion. *Brain*, **1996**, 119 (Pt 6), 2029-37	11.2	30
275	Neuropathy, axonal Na+/K+ pump function and activity-dependent excitability changes in end-stage kidney disease. *Clinical Neurophysiology*, **2006**, 117, 992-9	4.3	30
274	Effect of Ezogabine on Cortical and Spinal Motor Neuron Excitability in Amyotrophic Lateral Sclerosis: A Randomized Clinical Trial. *JAMA Neurology*, **2021**, 78, 186-196	17.2	29
273	Utility of threshold tracking transcranial magnetic stimulation in ALS. *Clinical Neurophysiology Practice*, **2018**, 3, 164-172	3.8	29
272	Patterns of clinical and electrodiagnostic abnormalities in early amyotrophic lateral sclerosis. *Muscle and Nerve*, **2014**, 50, 894-9	3.4	28
271	Utility of transcranial magnetic stimulation in delineating amyotrophic lateral sclerosis pathophysiology. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2013**, 116, 561-75	3	28
270	Energy expenditure in frontotemporal dementia: a behavioural and imaging study. *Brain*, **2017**, 140, 171-183	11.3	28
269	Quantitative ultrasound of denervated hand muscles. *Muscle and Nerve*, **2015**, 52, 221-30	3.4	28
268	Effects of axonal ion channel dysfunction on quality of life in type 2 diabetes. *Diabetes Care*, **2013**, 36, 1272-7	14.6	28
267	Advance care planning in motor neuron disease: A qualitative study of caregiver perspectives. *Palliative Medicine*, **2016**, 30, 471-8	5.5	28
266	Axonal dysfunction prior to neuropathy onset in type 1 diabetes. *Diabetes/Metabolism Research and Reviews*, **2013**, 29, 53-9	7.5	27
265	Axonal Excitability in Amyotrophic Lateral Sclerosis : Axonal Excitability in ALS. *Neurotherapeutics*, **2017**, 14, 78-90	6.4	27
264	Characterizing Sexual Behavior in Frontotemporal Dementia. *Journal of Alzheimeris Disease*, **2015**, 46, 677-86	4.3	27

263	Axonal ion channel dysfunction in c9orf72 familial amyotrophic lateral sclerosis. *JAMA Neurology*, **2015**, 72, 49-57	17.2	27
262	Corticomotoneuronal function and hyperexcitability in acquired neuromyotonia. *Brain*, **2010**, 133, 2727-33	11.2	27
261	Paraesthesiae induced by prolonged high frequency stimulation of human cutaneous afferents. *Journal of Physiology*, **1997**, 501 (Pt 2), 461-71	3.9	27
260	Riluzole therapy for motor neurone disease: an early Australian experience (1996-2002). *Journal of Clinical Neuroscience*, **2006**, 13, 78-83	2.2	27
259	Adaptation of motor function after spinal cord injury: novel insights into spinal shock. *Brain*, **2011**, 134, 495-505	11.2	26
258	Potential structural and functional biomarkers of upper motor neuron dysfunction in ALS. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, **2015**, 17, 85-92	3.6	25
257	Regional thalamic MRI as a marker of widespread cortical pathology and progressive frontotemporal involvement in amyotrophic lateral sclerosis. *Journal of Neurology, Neurosurgery and Psychiatry*, **2018**, 89, 1250-1258	5.5	25
256	Dysfunction of axonal membrane conductances in adolescents and young adults with spinal muscular atrophy. *Brain*, **2011**, 134, 3185-97	11.2	25
255	Dissecting the mechanisms underlying short-interval intracortical inhibition using exercise. *Cerebral Cortex*, **2011**, 21, 1639-44	5.1	25
254	Multifocal motor neuropathy: controversies and priorities. *Journal of Neurology, Neurosurgery and Psychiatry*, **2020**, 91, 140-148	5.5	25
253	Neurofascin-155 IGG4 Neuropathy: Pathophysiological Insights, Spectrum of Clinical Severity and Response To treatment. *Muscle and Nerve*, **2018**, 57, 848-851	3.4	25
252	Primary lateral sclerosis and the amyotrophic lateral sclerosis-frontotemporal dementia spectrum. *Journal of Neurology*, **2018**, 265, 1819-1828	5.5	24
251	A longer diagnostic interval is a risk for depression in amyotrophic lateral sclerosis. *Palliative and Supportive Care*, **2015**, 13, 1019-24	2.5	24
250	A visual MRI atrophy rating scale for the amyotrophic lateral sclerosis-frontotemporal dementia continuum. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, **2014**, 15, 226-34	3.6	24
249	Ischaemic sensitivity of axons in carpal tunnel syndrome. *Journal of the Peripheral Nervous System*, **2009**, 14, 190-200	4.7	24
248	Detection of fasciculations in amyotrophic lateral sclerosis: The optimal ultrasound scan time. *Muscle and Nerve*, **2017**, 56, 1068-1071	3.4	23
247	The impact of cognitive and behavioral impairment in amyotrophic lateral sclerosis. *Expert Review of Neurotherapeutics*, **2020**, 20, 281-293	4.3	23
246	Threshold tracking transcranial magnetic stimulation: Effects of age and gender on motor cortical function. *Clinical Neurophysiology*, **2016**, 127, 2355-61	4.3	23

245	Early identification of 'acute-onset' chronic inflammatory demyelinating polyneuropathy. *Brain*, **2014**, 137, 2155-63	11.2	23
244	Apraxia and motor dysfunction in corticobasal syndrome. *PLoS ONE*, **2014**, 9, e92944	3.7	23
243	Inter-session reliability of short-interval intracortical inhibition measured by threshold tracking TMS. *Neuroscience Letters*, **2018**, 674, 18-23	3.3	22
242	Plasticity of lower limb motor axons after cervical cord injury. *Clinical Neurophysiology*, **2009**, 120, 204-9	4.3	22
241	Ischaemia induces paradoxical changes in axonal excitability in end-stage kidney disease. *Brain*, **2006**, 129, 1585-92	11.2	22
240	Pathophysiologic insights into motor axonal function in Kennedy disease. *Neurology*, **2007**, 69, 1828-35	6.5	22
239	Measuring network disruption in neurodegenerative diseases: New approaches using signal analysis. *Journal of Neurology, Neurosurgery and Psychiatry*, **2019**, 90, 1011-1020	5.5	21
238	Development of a model to guide decision making in amyotrophic lateral sclerosis multidisciplinary care. *Health Expectations*, **2015**, 18, 1769-82	3.7	21
237	Syntactic comprehension deficits across the FTD-ALS continuum. *Neurobiology of Aging*, **2016**, 41, 11-18	5.6	21
236	Threshold behaviour of human axons explored using subthreshold perturbations to membrane potential. *Journal of Physiology*, **2009**, 587, 491-504	3.9	21
235	Cerebellar neuronal loss in amyotrophic lateral sclerosis cases with ATXN2 intermediate repeat expansions. *Annals of Neurology*, **2016**, 79, 295-305	9.4	21
234	Cognitive and Behavioral Symptoms in ALSFTD: Detection, Differentiation, and Progression. *Journal of Geriatric Psychiatry and Neurology*, **2016**, 29, 3-10	3.8	20
233	Eating peptides: biomarkers of neurodegeneration in amyotrophic lateral sclerosis and frontotemporal dementia. *Annals of Clinical and Translational Neurology*, **2019**, 6, 486-495	5.3	20
232	Physiological Processes Underlying Short Interval Intracortical Facilitation in the Human Motor Cortex. *Frontiers in Neuroscience*, **2018**, 12, 240	5.1	20
231	Motor unit remodelling in multifocal motor neuropathy: The importance of axonal loss. *Clinical Neurophysiology*, **2017**, 128, 2022-2028	4.3	20
230	The Evolution of Caregiver Burden in Frontotemporal Dementia with and without Amyotrophic Lateral Sclerosis. *Journal of Alzheimeris Disease*, **2016**, 49, 875-85	4.3	20
229	Flecainide in Amyotrophic Lateral Sclerosis as a Neuroprotective Strategy (FANS): A Randomized Placebo-Controlled Trial. *EBioMedicine*, **2015**, 2, 1916-22	8.8	20
228	Diagnostic Utility of Gold Coast Criteria in Amyotrophic Lateral Sclerosis. *Annals of Neurology*, **2021**, 89, 979-986	9.4	20

227	Peripheral nerve diffusion tensor imaging as a measure of disease progression in ALS. *Journal of Neurology*, **2017**, 264, 882-890	5.5	19
226	Physiological processes influencing motor-evoked potential duration with voluntary contraction. *Journal of Neurophysiology*, **2017**, 117, 1156-1162	3.2	19
225	The underacknowledged PPA-ALS: A unique clinicopathologic subtype with strong heritability. *Neurology*, **2019**, 92, e1354-e1366	6.5	19
224	Segmental motoneuronal dysfunction is a feature of amyotrophic lateral sclerosis. *Clinical Neurophysiology*, **2015**, 126, 828-36	4.3	19
223	Distinct TDP-43 inclusion morphologies in frontotemporal lobar degeneration with and without amyotrophic lateral sclerosis. *Acta Neuropathologica Communications*, **2017**, 5, 76	7.3	19
222	Fasciculation anxiety syndrome in clinicians. *Journal of Neurology*, **2013**, 260, 1743-7	5.5	19
221	Evolution of peripheral nerve function in humans: novel insights from motor nerve excitability. *Journal of Physiology*, **2013**, 591, 273-86	3.9	19
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