

Matthew C Kiernan

List of Publications by Year in descending order

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Version: 2024-02-01

434
papers

24,550
citations

7672

79
h-index

13635

134
g-index

445
all docs

445
docs citations

445
times ranked

19339
citing authors

#	ARTICLE	IF	CITATIONS
1	Amyotrophic lateral sclerosis. <i>Lancet</i> , The, 2011, 377, 942-955.	6.3	2,182
2	Chemotherapy-induced peripheral neurotoxicity: A critical analysis. <i>Ca-A Cancer Journal for Clinicians</i> , 2013, 63, 419-437.	157.7	547
3	Clinical diagnosis and management of amyotrophic lateral sclerosis. <i>Nature Reviews Neurology</i> , 2011, 7, 639-649.	4.9	503
4	Genome-wide association analyses identify new risk variants and the genetic architecture of amyotrophic lateral sclerosis. <i>Nature Genetics</i> , 2016, 48, 1043-1048.	9.4	494
5	Controversies and priorities in amyotrophic lateral sclerosis. <i>Lancet Neurology</i> , The, 2013, 12, 310-322.	4.9	454
6	Multiple measures of axonal excitability: A new approach in clinical testing. , 2000, 23, 399-409.		412
7	Cortical hyperexcitability may precede the onset of familial amyotrophic lateral sclerosis. <i>Brain</i> , 2008, 131, 1540-1550.	3.7	391
8	Biomarkers in amyotrophic lateral sclerosis. <i>Lancet Neurology</i> , The, 2009, 8, 94-109.	4.9	391
9	Excitability of human axons. <i>Clinical Neurophysiology</i> , 2001, 112, 1575-1585.	0.7	384
10	Chronic inflammatory demyelinating polyradiculoneuropathy: from pathology to phenotype. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015, 86, 973-985.	0.9	320
11	Strength-duration properties of human peripheral nerve. <i>Brain</i> , 1996, 119, 439-447.	3.7	316
12	Amyotrophic lateral sclerosis: moving towards a new classification system. <i>Lancet Neurology</i> , The, 2016, 15, 1182-1194.	4.9	301
13	The frontotemporal dementia-motor neuron disease continuum. <i>Lancet</i> , The, 2016, 388, 919-931.	6.3	294
14	Novel threshold tracking techniques suggest that cortical hyperexcitability is an early feature of motor neuron disease. <i>Brain</i> , 2006, 129, 2436-2446.	3.7	284
15	Motor Neuron dysfunction in frontotemporal dementia. <i>Brain</i> , 2011, 134, 2582-2594.	3.7	271
16	A proposal for new diagnostic criteria for ALS. <i>Clinical Neurophysiology</i> , 2020, 131, 1975-1978.	0.7	268
17	Common and rare variant association analyses in amyotrophic lateral sclerosis identify 15 risk loci with distinct genetic architectures and neuron-specific biology. <i>Nature Genetics</i> , 2021, 53, 1636-1648.	9.4	223
18	Transcranial magnetic stimulation and amyotrophic lateral sclerosis: pathophysiological insights. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013, 84, 1161-1170.	0.9	213

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19	FUS mutations in amyotrophic lateral sclerosis: clinical, pathological, neurophysiological and genetic analysis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2010, 81, 639-645.	0.9	205
20	Oxaliplatin-induced neurotoxicity: changes in axonal excitability precede development of neuropathy. <i>Brain</i> , 2009, 132, 2712-2723.	3.7	198
21	Oxaliplatin-induced neurotoxicity and the development of neuropathy. <i>Muscle and Nerve</i> , 2005, 32, 51-60.	1.0	194
22	Activity-dependent hyperpolarization of human motor axons produced by natural activity. <i>Journal of Physiology</i> , 1998, 507, 919-925.	1.3	191
23	Advances in treating amyotrophic lateral sclerosis: insights from pathophysiological studies. <i>Trends in Neurosciences</i> , 2014, 37, 433-442.	4.2	186
24	Axonal excitability properties in amyotrophic lateral sclerosis. <i>Clinical Neurophysiology</i> , 2006, 117, 1458-1466.	0.7	177
25	TDP-43 proteinopathies: a new wave of neurodegenerative diseases. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021, 92, 86-95.	0.9	174
26	Recent Developments in TSPO PET Imaging as A Biomarker of Neuroinflammation in Neurodegenerative Disorders. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3161.	1.8	173
27	Long-Term Neuropathy After Oxaliplatin Treatment: Challenging the Dictum of Reversibility. <i>Oncologist</i> , 2011, 16, 708-716.	1.9	171
28	Consensus for experimental design in electromyography (CEDE) project: Amplitude normalization matrix. <i>Journal of Electromyography and Kinesiology</i> , 2020, 53, 102438.	0.7	170
29	Evidence for axonal membrane hyperpolarization in multifocal motor neuropathy with conduction block. <i>Brain</i> , 2002, 125, 664-675.	3.7	169
30	Grey and White Matter Changes across the Amyotrophic Lateral Sclerosis-Frontotemporal Dementia Continuum. <i>PLoS ONE</i> , 2012, 7, e43993.	1.1	168
31	How common are behavioural changes in amyotrophic lateral sclerosis?. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2011, 12, 45-51.	2.3	165
32	Pathophysiological and diagnostic implications of cortical dysfunction in ALS. <i>Nature Reviews Neurology</i> , 2016, 12, 651-661.	4.9	165
33	Sensitivity and specificity of threshold tracking transcranial magnetic stimulation for diagnosis of amyotrophic lateral sclerosis: a prospective study. <i>Lancet Neurology</i> , The, 2015, 14, 478-484.	4.9	164
34	Assessment of cortical excitability using threshold tracking techniques. <i>Muscle and Nerve</i> , 2006, 33, 477-486.	1.0	162
35	Acute tetrodotoxin-induced neurotoxicity after ingestion of puffer fish. <i>Annals of Neurology</i> , 2005, 57, 339-348.	2.8	159
36	Neuroinflammation in frontotemporal dementia. <i>Nature Reviews Neurology</i> , 2019, 15, 540-555.	4.9	159

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37	Emerging therapies and challenges in spinal muscular atrophy. <i>Annals of Neurology</i> , 2017, 81, 355-368.	2.8	157
38	Acute Abnormalities of Sensory Nerve Function Associated With Oxaliplatin-Induced Neurotoxicity. <i>Journal of Clinical Oncology</i> , 2009, 27, 1243-1249.	0.8	153
39	Cortical influences drive amyotrophic lateral sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2017, 88, 917-924.	0.9	152
40	Improving clinical trial outcomes in amyotrophic lateral sclerosis. <i>Nature Reviews Neurology</i> , 2021, 17, 104-118.	4.9	152
41	Kidneyâ€“brain crosstalk in the acute and chronic setting. <i>Nature Reviews Nephrology</i> , 2015, 11, 707-719.	4.1	151
42	Axonal ion channels from bench to bedside: A translational neuroscience perspective. <i>Progress in Neurobiology</i> , 2009, 89, 288-313.	2.8	144
43	Frontotemporal Dementia Associated With the <i>C9ORF72</i> Mutation. <i>JAMA Neurology</i> , 2014, 71, 331.	4.5	144
44	Clinical evaluation of excitability measures in sensory nerve. <i>Muscle and Nerve</i> , 2001, 24, 883-892.	1.0	141
45	Cortical hyperexcitability precedes lower motor neuron dysfunction in ALS. <i>Clinical Neurophysiology</i> , 2015, 126, 803-809.	0.7	140
46	Quantifying disease progression in amyotrophic lateral sclerosis. <i>Annals of Neurology</i> , 2014, 76, 643-657.	2.8	133
47	Emerging insights into the complex genetics and pathophysiology of amyotrophic lateral sclerosis. <i>Lancet Neurology</i> , The, 2022, 21, 465-479.	4.9	130
48	Differences in activity-dependent hyperpolarization in human sensory and motor axons. <i>Journal of Physiology</i> , 2004, 558, 341-349.	1.3	129
49	Amyotrophic lateral sclerosis and frontotemporal dementia: A behavioural and cognitive continuum. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2012, 13, 102-109.	2.3	124
50	Recent advances in the diagnosis and prognosis of amyotrophic lateral sclerosis. <i>Lancet Neurology</i> , The, 2022, 21, 480-493.	4.9	124
51	Riluzole exerts central and peripheral modulating effects in amyotrophic lateral sclerosis. <i>Brain</i> , 2013, 136, 1361-1370.	3.7	123
52	Nerve excitability changes in chronic renal failure indicate membrane depolarization due to hyperkalaemia. <i>Brain</i> , 2002, 125, 1366-1378.	3.7	122
53	Cortical excitability distinguishes ALS from mimic disorders. <i>Clinical Neurophysiology</i> , 2011, 122, 1860-1866.	0.7	122
54	Does interneuronal dysfunction contribute to neurodegeneration in amyotrophic lateral sclerosis?. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2012, 13, 245-250.	2.3	121

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55	Amyotrophic lateral sclerosis and frontotemporal dementia: distinct and overlapping changes in eating behaviour and metabolism. <i>Lancet Neurology</i> , The, 2016, 15, 332-342.	4.9	120
56	Primary lateral sclerosis: consensus diagnostic criteria. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020, 91, 373-377.	0.9	118
57	Altered nerve excitability properties in established diabetic neuropathy. <i>Brain</i> , 2005, 128, 1178-1187.	3.7	114
58	Retiring the term FTDP-17 as MAPT mutations are genetic forms of sporadic frontotemporal tauopathies. <i>Brain</i> , 2018, 141, 521-534.	3.7	114
59	The Puzzling Case of Hyperexcitability in Amyotrophic Lateral Sclerosis. <i>Journal of Clinical Neurology</i>		

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73	Impact of oxaliplatin-induced neuropathy: a patient perspective. <i>Supportive Care in Cancer</i> , 2012, 20, 2959-2967.	1.0	93
74	Differentiating lower motor neuron syndromes. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2017, 88, 474-483.	0.9	93
75	Pathophysiological insights into ALS with C9ORF72 expansions. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013, 84, 931-935.	0.9	89
76	Transcranial Magnetic Stimulation for the Assessment of Neurodegenerative Disease. <i>Neurotherapeutics</i> , 2017, 14, 91-106.	2.1	89
77	Activity-dependent excitability changes suggest Na ⁺ /K ⁺ pump dysfunction in diabetic neuropathy. <i>Brain</i> , 2008, 131, 1209-1216.	3.7	87
78	Assessment of the upper motor neuron in amyotrophic lateral sclerosis. <i>Clinical Neurophysiology</i> , 2016, 127, 2643-2660.	0.7	87
79	Upregulation of persistent sodium conductances in familial ALS. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2010, 81, 222-227.	0.9	86
80	Diagnostic contribution and therapeutic perspectives of transcranial magnetic stimulation in dementia. <i>Clinical Neurophysiology</i> , 2021, 132, 2568-2607.	0.7	85
81	Oxaliplatin and Axonal Na ⁺ Channel Function In vivo. <i>Clinical Cancer Research</i> , 2006, 12, 4481-4484.	3.2	82
82	Cerebellar Integrity in the Amyotrophic Lateral Sclerosis - Frontotemporal Dementia Continuum. <i>PLoS ONE</i> , 2014, 9, e105632.	1.1	79
83	Effect of Ezogabine on Cortical and Spinal Motor Neuron Excitability in Amyotrophic Lateral Sclerosis. <i>JAMA Neurology</i> , 2021, 78, 186.	4.5	79
84	Motor cortical function determines prognosis in sporadic ALS. <i>Neurology</i> , 2016, 87, 513-520.	1.5	76
85	Fasciculation in amyotrophic lateral sclerosis: origin and pathophysiological relevance. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2017, 88, 773-779.	0.9	76
86	Nerve function and dysfunction in acute intermittent porphyria. <i>Brain</i> , 2008, 131, 2510-2519.	3.7	75
87	Cortical Dysfunction Underlies the Development of the Split-Hand in Amyotrophic Lateral Sclerosis. <i>PLoS ONE</i> , 2014, 9, e87124.	1.1	75
88	Psychiatric disorders in C9orf72 kindreds. <i>Neurology</i> , 2018, 91, e1498-e1507.	1.5	75
89	Assessment of disease progression in motor neuron disease. <i>Lancet Neurology</i> , The, 2005, 4, 229-238.	4.9	74
90	Cortical excitability testing distinguishes Kennedy's disease from amyotrophic lateral sclerosis. <i>Clinical Neurophysiology</i> , 2008, 119, 1088-1096.	0.7	74

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91	Cortical Function in Asymptomatic Carriers and Patients With Amyotrophic Lateral Sclerosis. <i>JAMA Neurology</i> , 2015, 72, 1268.	4.5	74
92	Awaji criteria improves the diagnostic sensitivity in amyotrophic lateral sclerosis: A systematic review using individual patient data. <i>Clinical Neurophysiology</i> , 2016, 127, 2684-2691.	0.7	74
93	Assessment of Eating Behavior Disturbance and Associated Neural Networks in Frontotemporal Dementia. <i>JAMA Neurology</i> , 2016, 73, 282.	4.5	74
94	Chemotherapy-Induced Peripheral Neuropathy in Long-term Survivors of Childhood Cancer. <i>JAMA Neurology</i> , 2018, 75, 980.	4.5	73
95	Eating behavior in frontotemporal dementia. <i>Neurology</i> , 2015, 85, 1310-1317.	1.5	72
96	Physiological changes in neurodegeneration – mechanistic insights and clinical utility. <i>Nature Reviews Neurology</i> , 2018, 14, 259-271.	4.9	72
97	Defining the mechanisms that underlie cortical hyperexcitability in amyotrophic lateral sclerosis. <i>Experimental Neurology</i> , 2009, 220, 177-182.	2.0	71
98	Conduction block in carpal tunnel syndrome. <i>Brain</i> , 1999, 122, 933-941.	3.7	69
99	Early, progressive, and sustained dysfunction of sensory axons underlies paclitaxel-induced neuropathy. <i>Muscle and Nerve</i> , 2011, 43, 367-374.	1.0	69
100	Diagnostic Utility of Gold Coast Criteria in Amyotrophic Lateral Sclerosis. <i>Annals of Neurology</i> , 2021, 89, 979-986.	2.8	68
101	The effects of alterations in conditioning stimulus intensity on short interval intracortical inhibition. <i>Brain Research</i> , 2009, 1273, 39-47.	1.1	67
102	Imbalance of cortical facilitatory and inhibitory circuits underlies hyperexcitability in ALS. <i>Neurology</i> , 2018, 91, e1669-e1676.	1.5	67
103	Temperature dependence of excitability indices of human cutaneous afferents. , 1999, 22, 51-60.		66
104	Sleep disorders and respiratory function in amyotrophic lateral sclerosis. <i>Sleep Medicine Reviews</i> , 2016, 26, 33-42.	3.8	65
105	Modulatory Effects on Axonal Function After Intravenous Immunoglobulin Therapy in Chronic Inflammatory Demyelinating Polyneuropathy. <i>Archives of Neurology</i> , 2011, 68, 862.	4.9	63
106	Guillain-Barre syndrome in Asia. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2014, 85, 907-913.	0.9	63
107	Safety and tolerability of Triumeq in amyotrophic lateral sclerosis: the Lighthouse trial. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2019, 20, 595-604.	1.1	63
108	Measurement of axonal excitability: Consensus guidelines. <i>Clinical Neurophysiology</i> , 2020, 131, 308-323.	0.7	63

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109	Safety and efficacy of ozanezumab in patients with amyotrophic lateral sclerosis: a randomised, double-blind, placebo-controlled, phase 2 trial. <i>Lancet Neurology</i> , The, 2017, 16, 208-216.	4.9	62
110	The neural correlates and clinical characteristics of psychosis in the frontotemporal dementia continuum and the C9orf72 expansion. <i>NeuroImage: Clinical</i> , 2017, 13, 439-445.	1.4	60
111	Optimal clinical assessment strategies for chemotherapy-induced peripheral neuropathy (CIPN): a systematic review and Delphi survey. <i>Supportive Care in Cancer</i> , 2017, 25, 3485-3493.	1.0	59
112	Riluzole exerts transient modulating effects on cortical and axonal hyperexcitability in ALS. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2016, 17, 580-588.	1.1	58
113	Mutation in the Na ⁺ channel subunit SCN1B produces paradoxical changes in peripheral nerve excitability. <i>Brain</i> , 2005, 128, 1841-1846.	3.7	54
114	Fatigue and activity dependent changes in axonal excitability in amyotrophic lateral sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2007, 78, 1202-1208.	0.9	54
115	A novel tool to detect behavioural symptoms in ALS. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2014, 15, 298-304.	1.1	53
116	Randomized, Controlled Trial of the Effect of Dietary Potassium Restriction on Nerve Function in CKD. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2017, 12, 1569-1577.	2.2	53
117	Isolated bulbar phenotype of amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2011, 12, 283-289.	2.3	52
118	What are the roles of carers in decision-making for amyotrophic lateral sclerosis multidisciplinary care?. <i>Patient Preference and Adherence</i> , 2013, 7, 171.	0.8	52
119	Utility of threshold tracking transcranial magnetic stimulation in ALS. <i>Clinical Neurophysiology Practice</i> , 2018, 3, 164-172.	0.6	51
120	Neurophysiological and clinical outcomes in chemotherapy-induced neuropathy in cancer. <i>Clinical Neurophysiology</i> , 2017, 128, 1166-1175.	0.7	50
121	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. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2014, 15, 481-487.	1.1	48
122	Systemic metabolism in frontotemporal dementia. <i>Neurology</i> , 2014, 83, 1812-1818.	1.5	48
123	Motor neuron disease-frontotemporal dementia: a clinical continuum. <i>Expert Review of Neurotherapeutics</i> , 2015, 15, 509-522.	1.4	48
124	Multifocal motor neuropathy: controversies and priorities. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020, 91, 140-148.	0.9	48
125	The impact of cognitive and behavioral impairment in amyotrophic lateral sclerosis. <i>Expert Review of Neurotherapeutics</i> , 2020, 20, 281-293.	1.4	48
126	Evidence for polygenic and oligogenic basis of Australian sporadic amyotrophic lateral sclerosis. <i>Journal of Medical Genetics</i> , 2021, 58, 87-95.	1.5	48

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127	Neurophysiological index as a biomarker for ALS progression: Validity of mixed effects models. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2011, 12, 33-38.	2.3	47
128	FOSMN syndrome. <i>Neurology</i> , 2012, 79, 73-79.	1.5	47
129	Dissociated lower limb muscle involvement in amyotrophic lateral sclerosis. <i>Journal of Neurology</i> , 2015, 262, 1424-1432.	1.8	47
130	Lipid Metabolism and Survival Across the Frontotemporal Dementia-Amyotrophic Lateral Sclerosis Spectrum: Relationships to Eating Behavior and Cognition. <i>Journal of Alzheimer's Disease</i> , 2017, 61, 773-783.	1.2	47
131	Split-hand plus sign in ALS: Differential involvement of the flexor pollicis longus and intrinsic hand muscles. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2013, 14, 315-318.	1.1	46
132	Evidence for a causal relationship between hyperkalaemia and axonal dysfunction in end-stage kidney disease. <i>Clinical Neurophysiology</i> , 2014, 125, 179-185.	0.7	46
133	Diagnostic criteria in amyotrophic lateral sclerosis. <i>Neurology</i> , 2016, 87, 684-690.	1.5	46
134	Measuring network disruption in neurodegenerative diseases: New approaches using signal analysis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019, 90, 1011-1020.	0.9	45
135	Cortical hyperexcitability evolves with disease progression in ALS. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 733-741.	1.7	45
136	ALS pathophysiology: Insights from the split-hand phenomenon. <i>Clinical Neurophysiology</i> , 2014, 125, 186-193.	0.7	44
137	Emotion processing deficits distinguish pure amyotrophic lateral sclerosis from frontotemporal dementia. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2014, 15, 39-46.	1.1	44
138	Nerve excitability properties in lower-limb motor axons: Evidence for a length-dependent gradient. <i>Muscle and Nerve</i> , 2004, 29, 645-655.	1.0	43
139	Energy expenditure in frontotemporal dementia: a behavioural and imaging study. <i>Brain</i> , 2017, 140, 171-183.	3.7	43
140	Axonal Excitability in Amyotrophic Lateral Sclerosis. <i>Neurotherapeutics</i> , 2017, 14, 78-90.	2.1	43
141	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. <i>JAMA Neurology</i> , 2018, 75, 1519.	4.5	43
142	Progressive axonal dysfunction and clinical impairment in amyotrophic lateral sclerosis. <i>Clinical Neurophysiology</i> , 2012, 123, 2460-2467.	0.7	42
143	Quantitative ultrasound of denervated hand muscles. <i>Muscle and Nerve</i> , 2015, 52, 221-230.	1.0	42
144	A Phase 2, Double-Blind, Randomized, Dose-Ranging Trial Of <i>Reldesemtiv</i> In Patients With ALS. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2021, 22, 287-299.	1.1	42

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145	Purple pigments: The pathophysiology of acute porphyric neuropathy. <i>Clinical Neurophysiology</i> , 2011, 122, 2336-2344.	0.7	40
146	Advance care planning in motor neuron disease: A qualitative study of caregiver perspectives. <i>Palliative Medicine</i> , 2016, 30, 471-478.	1.3	40
147	Eating peptides: biomarkers of neurodegeneration in amyotrophic lateral sclerosis and frontotemporal dementia. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 486-495.	1.7	40
148	Regional thalamic MRI as a marker of widespread cortical pathology and progressive frontotemporal involvement in amyotrophic lateral sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018, 89, 1250-1258.	0.9	39
149	ALS is a multistep process in South Korean, Japanese, and Australian patients. <i>Neurology</i> , 2020, 94, e1657-e1663.	1.5	39
150	Neuropathy, axonal Na ⁺ /K ⁺ pump function and activity-dependent excitability changes in end-stage kidney disease. <i>Clinical Neurophysiology</i> , 2006, 117, 992-999.	0.7	38
151	The Pathophysiology of Oxaliplatin-Induced Neurotoxicity. <i>Current Medicinal Chemistry</i> , 2006, 13, 2901-2907.	1.2	38
152	Semantic deficits in amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2015, 16, 46-53.	1.1	38
153	Genome-wide study of DNA methylation shows alterations in metabolic, inflammatory, and cholesterol pathways in ALS. <i>Science Translational Medicine</i> , 2022, 14, eabj0264.	5.8	38
154	Neurofascinâ€”155 IGG4 Neuropathy: Pathophysiological Insights, Spectrum of Clinical Severity and Response To treatment. <i>Muscle and Nerve</i> , 2018, 57, 848-851.	1.0	37
155	Adaptation of motor function after spinal cord injury: novel insights into spinal shock. <i>Brain</i> , 2011, 134, 495-505.	3.7	36
156	Dysfunction of axonal membrane conductances in adolescents and young adults with spinal muscular atrophy. <i>Brain</i> , 2011, 134, 3185-3197.	3.7	35
157	Early identification of 'acute-onset' chronic inflammatory demyelinating polyneuropathy. <i>Brain</i> , 2014, 137, 2155-2163.	3.7	35
158	Axonal Ion Channel Dysfunction in <i>C9orf72</i> Familial Amyotrophic Lateral Sclerosis. <i>JAMA Neurology</i> , 2015, 72, 49.	4.5	35
159	Primary lateral sclerosis and the amyotrophic lateral sclerosisâ€”frontotemporal dementia spectrum. <i>Journal of Neurology</i> , 2018, 265, 1819-1828.	1.8	35
160	Novel approaches to diagnosis and management of hereditary transthyretin amyloidosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2022, 93, 668-678.	0.9	35
161	Utility of transcranial magnetic stimulation in delineating amyotrophic lateral sclerosis pathophysiology. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2013, 116, 561-575.	1.0	34
162	The evolution of motor cortical dysfunction in amyotrophic lateral sclerosis. <i>Clinical Neurophysiology</i> , 2017, 128, 1075-1082.	0.7	34

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163	Inter-session reliability of short-interval intracortical inhibition measured by threshold tracking TMS. <i>Neuroscience Letters</i> , 2018, 674, 18-23.	1.0	34
164	Threshold tracking transcranial magnetic stimulation: Effects of age and gender on motor cortical function. <i>Clinical Neurophysiology</i> , 2016, 127, 2355-2361.	0.7	33
165	Study protocol of RESCUE-ALS: A Phase 2, randomised, double-blind, placebo-controlled study in early symptomatic amyotrophic lateral sclerosis patients to assess bioenergetic catalysis with CNM-Au8 as a mechanism to slow disease progression. <i>BMJ Open</i> , 2021, 11, e041479.	0.8	33
166	Changes in excitability and impulse transmission following prolonged repetitive activity in normal subjects and patients with a focal nerve lesion. <i>Brain</i> , 1996, 119, 2029-2037.	3.7	32
167	Patterns of clinical and electrodiagnostic abnormalities in early amyotrophic lateral sclerosis. <i>Muscle and Nerve</i> , 2014, 50, 894-899.	1.0	32
168	Potential structural and functional biomarkers of upper motor neuron dysfunction in ALS. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2016, 17, 85-92.	1.1	32
169	Health, wellbeing and lived experiences of adults with SMA: a scoping systematic review. <i>Orphanet Journal of Rare Diseases</i> , 2020, 15, 70.	1.2	32
170	Riluzole therapy for motor neurone disease: An early Australian experience (1996â€“2002). <i>Journal of Clinical Neuroscience</i> , 2006, 13, 78-83.	0.8	31
171	Development of a model to guide decision making in amyotrophic lateral sclerosis multidisciplinary care. <i>Health Expectations</i> , 2015, 18, 1769-1782.	1.1	31
172	Physiological Processes Underlying Short Interval Intracortical Facilitation in the Human Motor Cortex. <i>Frontiers in Neuroscience</i> , 2018, 12, 240.	1.4	31
173	Loss of the metabolism and sleep regulating neuronal populations expressing orexin and oxytocin in the hypothalamus in amyotrophic lateral sclerosis. <i>Neuropathology and Applied Neurobiology</i> , 2021, 47, 979-989.	1.8	31
174	Dissecting the Mechanisms Underlying Short-Interval Intracortical Inhibition Using Exercise. <i>Cerebral Cortex</i> , 2011, 21, 1639-1644.	1.6	30
175	Fasciculation anxiety syndrome in clinicians. <i>Journal of Neurology</i> , 2013, 260, 1743-1747.	1.8	30
176	Effects of Axonal Ion Channel Dysfunction on Quality of Life in Type 2 Diabetes. <i>Diabetes Care</i> , 2013, 36, 1272-1277.	4.3	30
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