Yoshikazu Ugawa

List of Publications by Year
in descending order

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335 papers	13,078 citations	23567 58 h-index	36028 97 g-index

364 all docs	364 docs citations	364 times ranked	10397 citing authors

#	Article	IF	Citations
1	The clinical diagnostic utility of transcranial magnetic stimulation: Report of an IFCN committee. Clinical Neurophysiology, 2008, 119, 504-532.	1.5	547
2	Magnetic stimulation over the cerebellum in humans. Annals of Neurology, 1995, 37, 703-713.	5.3	395
3	Paired-pulse magnetic stimulation of the human motor cortex: differences among I waves. Journal of Physiology, 1998, 509, 607-618.	2.9	331
4	Consensus paper: Combining transcranial stimulation with neuroimaging. Brain Stimulation, 2009, 2, 58-80.	1.6	299
5	Plasticity induced by non-invasive transcranial brain stimulation: A position paper. Clinical Neurophysiology, 2017, 128, 2318-2329.	1.5	276
6	Basic Mechanisms of TMS. Journal of Clinical Neurophysiology, 2002, 19, 322-343.	1.7	269
7	A proposal for new diagnostic criteria for ALS. Clinical Neurophysiology, 2020, 131, 1975-1978.	1.5	268
8	Interhemispheric facilitation of the hand motor area in humans. Journal of Physiology, 2001, 531, 849-859.	2.9	247
9	Bidirectional longâ€term motor cortical plasticity and metaplasticity induced by quadripulse transcranial magnetic stimulation. Journal of Physiology, 2008, 586, 3927-3947.	2.9	239
10	ExpansionsÂofÂintronic TTTCA and TTTTA repeats in benign adult familial myoclonic epilepsy. Nature Genetics, 2018, 50, 581-590.	21.4	238
11	Adverse events of tDCS and tACS: A review. Clinical Neurophysiology Practice, 2017, 2, 19-25.	1.4	218
12	Experimental sensory neuropathy induced by sensitization with ganglioside GD1b. Annals of Neurology, 1996, 39, 424-431.	5.3	182
13	Mechanisms of intracortical Iâ€wave facilitation elicited with pairedâ€pulse magnetic stimulation in humans. Journal of Physiology, 2002, 538, 253-261.	2.9	182
14	Ipsilateral cortico-cortical inhibition of the motor cortex in various neurological disorders. Journal of the Neurological Sciences, 1996, 140, 109-116.	0.6	178
15	Magnetic stimulation of corticospinal pathways at the foramen magnum level in humans. Annals of Neurology, 1994, 36, 618-624.	5.3	139
16	Supplementary motor area stimulation for Parkinson disease. Neurology, 2013, 80, 1400-1405.	1.1	138
17	Effects of coil orientation on the electric field induced by TMS over the hand motor area. Physics in Medicine and Biology, 2014, 59, 203-218.	3.0	137
18	Highâ€frequency rTMS over the supplementary motor area for treatment of Parkinson's disease. Movement Disorders, 2008, 23, 1524-1531.	3.9	133

#	Article	IF	Citations
19	0.2â€Hz repetitive transcranial magnetic stimulation has no addâ€on effects as compared to a realistic sham stimulation in Parkinson's disease. Movement Disorders, 2003, 18, 382-388.	3.9	130
20	Navigation ability dependent neural activation in the human brain: An fMRI study. Neuroscience Research, 2006, 55, 361-369.	1.9	129
21	Short and long duration transcranial direct current stimulation (tDCS) over the human hand motor area. Experimental Brain Research, 2008, 185, 279-286.	1.5	124
22	Transcranial magnetic stimulation of the brain: What is stimulated? â€“ A consensus and critical position paper. Clinical Neurophysiology, 2022, 140, 59-97.	1.5	124
23	Comparison between short train, monophasic and biphasic repetitive transcranial magnetic stimulation (rTMS) of the human motor cortex. Clinical Neurophysiology, 2005, 116, 605-613.	1.5	121
24	Daily repetitive transcranial magnetic stimulation of primary motor cortex for neuropathic pain: A randomized, multicenter, double-blind, crossover, sham-controlled trial. Pain, 2013, 154, 1065-1072.	4.2	121
25	Contribution of transcranial magnetic stimulation to assessment of brain connectivity and networks. Clinical Neurophysiology, 2017, 128, 2125-2139.	1.5	119
26	State-Dependent and Timing-Dependent Bidirectional Associative Plasticity in the Human SMA-M1 Network. Journal of Neuroscience, 2011, 31, 15376-15383.	3.6	114
27	Initiation and inhibitory control of saccades with the progression of Parkinson's disease â€“ Changes in three major drives converging on the superior colliculus. Neuropsychologia, 2011, 49, 1794-1806.	1.6	113
28	Magnetic stimulation over the cerebellum in patients with ataxia. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1997, 104, 453-458.	2.0	109
29	Effects of 1-Hz repetitive transcranial magnetic stimulation on acute pain induced by capsaicin. Pain, 2004, 107, 107-115.	4.2	107
30	Facilitatory effect of tonic voluntary contraction on responses to motor cortex stimulation. Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control, 1995, 97, 451-454.	1.4	106
31	Characteristics of Aquaporin Expression Surrounding Senile Plaques and Cerebral Amyloid Angiopathy in Alzheimer Disease. Journal of Neuropathology and Experimental Neurology, 2012, 71, 750-759.	1.7	104
32	Quadro-pulse stimulation is more effective than paired-pulse stimulation for plasticity induction of the human motor cortex. Clinical Neurophysiology, 2007, 118, 2672-2682.	1.5	103
33	Further evidence to support different mechanisms underlying intracortical inhibition of the motor cortex. Experimental Brain Research, 2003, 151, 427-434.	1.5	102
34	New perspectives on the pathophysiology of Parkinsonâ€™s disease as assessed by saccade performance: A clinical review. Clinical Neurophysiology, 2013, 124, 1491-1506.	1.5	102
35	Consensus: New methodologies for brain stimulation. Brain Stimulation, 2009, 2, 2-13.	1.6	100
36	Interhemispheric facilitation of the hand area of the human motor cortex. Neuroscience Letters, 1993, 160, 153-155.	2.1	97

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37	Predominant activation of I1-waves from the leg motor area by transcranial magnetic stimulation. Brain Research, 2000, 859, 137-146.	2.2	97
38	Where and what TMS activates: Experiments and modeling. Brain Stimulation, 2018, 11, 166-174.	1.6	95
39	Endogenous dopamine release induced by repetitive transcranial magnetic stimulation over the primary motor cortex: an [11C]raclopride positron emission tomography study in anesthetized macaque monkeys. Biological Psychiatry, 2004, 55, 484-489.	1.3	91
40	The effects of cerebellar stimulation on the motor cortical excitability in neurological disorders: A review. Cerebellum, 2005, 4, 218-223.	2.5	88
41	The human hand motor area is transiently suppressed by an unexpected auditory stimulus. Clinical Neurophysiology, 2000, 111, 178-183.	1.5	87
42	Visualization of the Information Flow Through Human Oculomotor Cortical Regions by Transcranial Magnetic Stimulation. Journal of Neurophysiology, 1998, 80, 936-946.	1.8	86
43	Effects of rTMS of Pre-Supplementary Motor Area on Fronto Basal Ganglia Network Activity during Stop-Signal Task. Journal of Neuroscience, 2015, 35, 4813-4823.	3.6	86
44	Effective connectivity between human supplementary motor area and primary motor cortex: a paired-coil TMS study. Experimental Brain Research, 2012, 220, 79-87.	1.5	85
45	Diagnostic contribution and therapeutic perspectives of transcranial magnetic stimulation in dementia. Clinical Neurophysiology, 2021, 132, 2568-2607.	1.5	85
46	Bidirectional effects on interhemispheric restingâ€state functional connectivity induced by excitatory and inhibitory repetitive transcranial magnetic stimulation. Human Brain Mapping, 2014, 35, 1896-1905.	3.6	83
47	Standardized computer-based organized reporting of EEG: SCORE â€“ Second version. Clinical Neurophysiology, 2017, 128, 2334-2346.	1.5	82
48	Localizing the site of magnetic brain stimulation by functional MRI. Experimental Brain Research, 1998, 121, 145-152.	1.5	80
49	Differences in after-effect between monophasic and biphasic high-frequency rTMS of the human motor cortex. Clinical Neurophysiology, 2007, 118, 2227-2233.	1.5	79
50	Primary motor cortical metaplasticity induced by priming over the supplementary motor area. Journal of Physiology, 2009, 587, 4845-4862.	2.9	75
51	Suppression of motor cortical excitability by electrical stimulation over the cerebellum in ataxia. Annals of Neurology, 1994, 36, 90-96.	5.3	73
52	Parietal Dysgraphia: Characterization of Abnormal Writing Stroke Sequences, Character Formation and Character Recall. Behavioural Neurology, 2007, 18, 99-114.	2.1	72
53	Cryptogenic NORSE. Neurology: Neuroimmunology and NeuroInflammation, 2017, 4, e396.	6.0	70
54	Magnetic Stimulation of the Sacral Roots for the Treatment of Urinary Frequency and Urge Incontinence: An Investigational Study and Placebo Controlled Trial. Journal of Urology, 2002, 168, 1036-1039.	0.4	69

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55	Pathology of the sympathetic nervous system corresponding to the decreased cardiac uptake in 123I-metaiodobenzylguanidine (MIBG) scintigraphy in a patient with Parkinson disease. Journal of the Neurological Sciences, 2006, 243, 101-104.	0.6	69
56	Where Do Neurologists Look When Viewing Brain CT Images? An Eye-Tracking Study Involving Stroke Cases. PLoS ONE, 2011, 6, e28928.	2.5	67
57	Somatosensory evoked high-frequency oscillation in Parkinson's disease and myoclonus epilepsy. Clinical Neurophysiology, 1999, 110, 185-191.	1.5	61
58	Long-term effect of motor cortical repetitive transcranial magnetic stimulation induces. Annals of Neurology, 2004, 56, 77-85.	5.3	61
59	Magnetoencephalographic analysis of cortical myoclonic jerks. Electroencephalography and Clinical Neurophysiology, 1996, 99, 141-148.	0.3	60
60	MAGNETIC STIMULATION OF THE SACRAL ROOTS FOR THE TREATMENT OF STRESS INCONTINENCE: AN INVESTIGATIONAL STUDY AND PLACEBO CONTROLLED TRIAL. Journal of Urology, 2000, 164, 1277-1279.	0.4	60
61	Comparison of different methods for estimating motor threshold with transcranial magnetic stimulation. Clinical Neurophysiology, 2007, 118, 2120-2122.	1.5	60
62	High-frequency rTMS over the supplementary motor area improves bradykinesia in Parkinson's disease: Subanalysis of double-blind sham-controlled study. Journal of the Neurological Sciences, 2009, 287, 143-146.	0.6	59
63	An Essential Role of the Intraparietal Sulcus in Response Inhibition Predicted by Parcellation-Based Network. Journal of Neuroscience, 2019, 39, 2509-2521.	3.6	59
64	Somatosensory evoked potentials recovery (SEP-R) in myoclonic patients. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1991, 80, 21-25.	2.0	58
65	Thirty minutes mobile phone use has no short-term adverse effects on central auditory pathways. Clinical Neurophysiology, 2003, 114, 1390-1394.	1.5	58
66	Atlas of optimal coil orientation and position for TMS: A computational study. Brain Stimulation, 2018, 11, 839-848.	1.6	58
67	Motor cortex inhibition in patients with ataxia. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1994, 93, 225-229.	2.0	57
68	Task-Guided Selection of the Dual Neural Pathways for Reading. Neuron, 2006, 52, 557-564.	8.1	57
69	Left Dorsal Speech Stream Components and Their Contribution to Phonological Processing. Journal of Neuroscience, 2015, 35, 1411-1422.	3.6	57
70	Variability in Response to Quadripulse Stimulation of the Motor Cortex. Brain Stimulation, 2016, 9, 859-866.	1.6	57
71	Expression of Aquaporin 1 and Aquaporin 4 in the Temporal Neocortex of Patients with Parkinson's Disease. Brain Pathology, 2017, 27, 160-168.	4.1	57
72	Fasciculation potentials in amyotrophic lateral sclerosis and the diagnostic yield of the Awaji algorithm. Muscle and Nerve, 2012, 45, 175-182.	2.2	56

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73	Hemoglobin concentration changes in the contralateral hemisphere during and after theta burst stimulation of the human sensorimotor cortices. Experimental Brain Research, 2007, 180, 667-675.	1.5	55
74	Functional connectivity revealed by single-photon emission computed tomography (SPECT) during repetitive transcranial magnetic stimulation (rTMS) of the motor cortex. Clinical Neurophysiology, 2003, 114, 450-457.	1.5	54
75	Difference in intracortical inhibition of the motor cortex between cortical myoclonus and focal hand dystonia. Clinical Neurophysiology, 2008, 119, 1400-1407.	1.5	54
76	Magnetic-motor-root stimulation: Review. Clinical Neurophysiology, 2013, 124, 1055-1067.	1.5	54
77	Cortical hemoglobin-concentration changes under the coil induced by single-pulse TMS in humans: a simultaneous recording with near-infrared spectroscopy. Experimental Brain Research, 2006, 169, 302-310.	1.5	53
78	Cerebellar dysfunction in progressive supranuclear palsy: A transcranial magnetic stimulation study. Movement Disorders, 2010, 25, 2413-2419.	3.9	53
79	Non-invasive brain stimulation and neuroenhancement. Clinical Neurophysiology Practice, 2022, 7, 146-165.	1.4	51
80	Electrical Stimulation of the Human Descending Motor Tracts at Several Levels. Canadian Journal of Neurological Sciences, 1995, 22, 36-42.	0.5	49
81	Median nerve somatosensory evoked potentials and their high-frequency oscillations in amyotrophic lateral sclerosis. Clinical Neurophysiology, 2007, 118, 877-886.	1.5	49
82	Small saccades restrict visual scanning area in Parkinson's disease. Movement Disorders, 2011, 26, 1619-1626.	3.9	49
83	Stiff-person syndrome associated with invasive thymoma: a case report. Journal of the Neurological Sciences, 2001, 193, 59-62.	0.6	48
84	Vocal amusia in a professional tango singer due to a right superior temporal cortex infarction. Neuropsychologia, 2006, 44, 479-488.	1.6	47
85	Official Japanese Version of the International Parkinson and Movement Disorder Societyâ€“Unified Parkinson's Disease Rating Scale: Validation Against the Original English Version. Movement Disorders Clinical Practice, 2014, 1, 200-212.	1.5	47
86	Altered motor cortical excitability to magnetic stimulation in a patient with a lesion in globus pallidus. Journal of the Neurological Sciences, 1995, 129, 175-178.	0.6	46
87	Quadri-pulse stimulation (QPS) induced LTP/LTD was not affected by Val66Met polymorphism in the brain-derived neurotrophic factor (BDNF) gene. Neuroscience Letters, 2011, 487, 264-267.	2.1	45
88	Cerebellar Stimulation in Ataxia. Cerebellum, 2012, 11, 440-442.	2.5	45
89	Somatosensory evoked potential recovery (SEP-R) in various neurological disorders. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1996, 100, 62-67.	2.0	43
90	Modulation of error-sensitivity during a prism adaptation task in people with cerebellar degeneration. Journal of Neurophysiology, 2015, 114, 2460-2471.	1.8	43

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91	Somatosensory evoked potential recovery in myotonic dystrophy. Clinical Neurophysiology, 2001, 112, 793-799.	1.5	41
92	Effects of shortâ€term Wâ€CDMA mobile phone base station exposure on women with or without mobile phone related symptoms. Bioelectromagnetics, 2009, 30, 100-113.	1.6	41
93	Influence of Short-Interval Intracortical Inhibition on Short-Interval Intracortical Facilitation in Human Primary Motor Cortex. Journal of Neurophysiology, 2010, 104, 1382-1391.	1.8	39
94	Accumulation of glycogen in sural nerve axons in adult-onset type III glycogenosis. Annals of Neurology, 1986, 19, 294-297.	5.3	38
95	Cerebellar dysfunction in essential tremor. Movement Disorders, 2016, 31, 1230-1234.	3.9	38
96	Training in the practice of noninvasive brain stimulation: Recommendations from an IFCN committee. Clinical Neurophysiology, 2021, 132, 819-837.	1.5	38
97	Corticoâ€“cortical inhibition of the motor cortical area projecting to sternocleidomastoid muscle in normals and patients with spasmodic torticollis or essential tremor. Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control, 1998, 109, 391-396.	1.4	37
98	Severe hypokinesis caused by paraneoplastic anti-Ma2 encephalitis associated with bilateral intratubular germ-cell neoplasm of the testes. Movement Disorders, 2007, 22, 728-731.	3.9	37
99	Mechanisms of unilateral STN-DBS in patients with Parkinsonâ€™s disease. Journal of Neurology, 2008, 255, 1236-1243.	3.6	37
100	Molecular epidemiological study of familial amyotrophic lateral sclerosis in Japanese population by whole-exome sequencing and identification of novel HNRNPA1 mutation. Neurobiology of Aging, 2018, 61, 255.e9-255.e16.	3.1	37
101	Input-output organization in the hand area of the human motor cortex. Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control, 1995, 97, 375-381.	1.4	36
102	Quadripulse stimulation â€“ A new patterned rTMS. Restorative Neurology and Neuroscience, 2010, 28, 419-424.	0.7	35
103	Ataxic Hemiparesis: Neurophysiological Analysis by Cerebellar Transcranial Magnetic Stimulation. Cerebellum, 2012, 11, 259-263.	2.5	34
104	Volitional Walking via Upper Limb Muscle-Controlled Stimulation of the Lumbar Locomotor Center in Man. Journal of Neuroscience, 2014, 34, 11131-11142.	3.6	34
105	The intensity of continuous theta burst stimulation, but not the waveform used to elicit motor evoked potentials, influences its outcome in the human motor cortex. Brain Stimulation, 2018, 11, 400-410.	1.6	34
106	Evaluation of blood-brain barrier function by quotient alpha2 macroglobulin and its relationship with interleukin-6 and complement component 3 levels in neuropsychiatric systemic lupus erythematosus. PLoS ONE, 2017, 12, e0186414.	2.5	34
107	Hemispheric Lateralization in the Cortical Motor Preparation for Human Vocalization. Journal of Neuroscience, 2001, 21, 1600-1609.	3.6	33
108	Videofluoroscopic and Manometric Evaluation of Swallowing Function in Patients with Multiple System Atrophy. Annals of Otology, Rhinology and Laryngology, 2003, 112, 630-636.	1.1	33

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109	Real-time estimation of electric fields induced by transcranial magnetic stimulation with deep neural networks. Brain Stimulation, 2019, 12, 1500-1507.	1.6	33
110	Origin of facilitation in repetitive, 1.5ms interval, paired pulse transcranial magnetic stimulation (rPPS) of the human motor cortex. Clinical Neurophysiology, 2007, 118, 1596-1601.	1.5	32
111	Consensus Paper: Novel Directions and Next Steps of Non-invasive Brain Stimulation of the Cerebellum in Health and Disease. Cerebellum, 2022, 21, 1092-1122.	2.5	32
112	Excitation of the motor cortex associated with the E2 phase of cutaneous reflexes in man. Brain Research, 1994, 633, 343-347.	2.2	31
113	Information processing from the motor cortices to the subthalamic nucleus and globus pallidus and their somatotopic organizations revealed electrophysiologically in monkeys. European Journal of Neuroscience, 2017, 46, 2684-2701.	2.6	31
114	Clinical utility of magnetic corticospinal tract stimulation at the foramen magnum level. Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control, 1996, 101, 247-254.	1.4	30
115	Effects of motor cortical stimulation on the excitability of contralateral motor and sensory cortices. Experimental Brain Research, 2004, 158, 519-26.	1.5	30
116	Facilitatory effect on the motor cortex by electrical stimulation over the cerebellum in humans. Experimental Brain Research, 2004, 159, 418-424.	1.5	30
117	Cerebellum. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2013, 116, 643-653.	1.8	30
118	Magnetic stimulation of the cauda equina in the spinal canal with a flat, large round coil. Journal of the Neurological Sciences, 2009, 284, 46-51.	0.6	29
119	Pitfalls in clinical diagnosis of anti-NMDA receptor encephalitis. Journal of Neurology, 2018, 265, 586-596.	3.6	29
120	GCH1 mutations in dopa-responsive dystonia and Parkinsonâ€™s disease. Journal of Neurology, 2018, 265, 1860-1870.	3.6	29
121	Intracortical inhibition of the motor cortex in movement disorders. Brain and Development, 2000, 22, 132-135.	1.1	28
122	Effects of thirty minutes mobile phone use on the human sensory cortex. Clinical Neurophysiology, 2006, 117, 900-905.	1.5	28
123	Modifying the Cortical Processing for Motor Preparation by Repetitive Transcranial Magnetic Stimulation. Journal of Cognitive Neuroscience, 2007, 19, 1556-1573.	2.3	28
124	Chemical preconditioning-induced reactive astrocytosis contributes to the reduction of post-ischemic edema through aquaporin-4 downregulation. Experimental Neurology, 2011, 227, 89-95.	4.1	28
125	Deterioration of horizontal saccades in progressive supranuclear palsy. Clinical Neurophysiology, 2013, 124, 354-363.	1.5	28
126	Sensory cortex hyperexcitability predicts short survival in amyotrophic lateral sclerosis. Neurology, 2018, 90, e1578-e1587.	1.1	28

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127	Giant somatosensory evoked magnetic field in patients with myoclonus epilepsy. Electroencephalography and Clinical Neurophysiology, 1993, 87, 300-305.	0.3	27
128	Motor cortical reflex myoclonus: a case study with MEG. Electroencephalography and Clinical Neurophysiology, 1997, 102, 505-511.	0.3	27
129	Recovery function of and effects of hyperventilation on somatosensory evoked high-frequency oscillation in Parkinson's disease and myoclonus epilepsy. Neuroscience Research, 2003, 46, 485-492.	1.9	27
130	Can we see the cerebellar activation effect by TMS over the back of the head?. Clinical Neurophysiology, 2009, 120, 2006-2007.	1.5	27
131	Increased primary motor cortical excitability by a single-pulse transcranial magnetic stimulation over the supplementary motor area. Experimental Brain Research, 2012, 219, 339-349.	1.5	27
132	Remote effects of self-paced teeth clenching on the excitability of hand motor area. Experimental Brain Research, 2003, 148, 261-265.	1.5	26
133	Magnetic lumbosacral motor root stimulation with a flat, large round coil. Clinical Neurophysiology, 2009, 120, 770-775.	1.5	26
134	Reduced interhemispheric inhibition in mild cognitive impairment. Experimental Brain Research, 2012, 218, 21-26.	1.5	26
135	Multi-scale simulations predict responses to non-invasive nerve root stimulation. Journal of Neural Engineering, 2014, 11, 056013.	3.5	26
136	Effects of the motor cortical quadripulse transcranial magnetic stimulation (QPS) on the contralateral motor cortex and interhemispheric interactions. Journal of Neurophysiology, 2014, 111, 26-35.	1.8	26
137	Direct comparison of efficacy of the motor cortical plasticity induction and the interindividual variability between TBS and QPS. Brain Stimulation, 2020, 13, 1824-1833.	1.6	26
138	Primary face motor area as the motor representation of articulation. Journal of Neurology, 2007, 254, 442-447.	3.6	25
139	Bidirectional modulation of sensory cortical excitability by quadripulse transcranial magnetic stimulation (QPS) in humans. Clinical Neurophysiology, 2012, 123, 1415-1421.	1.5	25
140	Complex fasciculation potentials and survival in amyotrophic lateral sclerosis. Clinical Neurophysiology, 2014, 125, 1059-1064.	1.5	25
141	Postural tremor in Xâ€linked spinal and bulbar muscular atrophy. Movement Disorders, 2009, 24, 2063-2069.	3.9	24
142	Quadripulse stimulation (QPS). Experimental Brain Research, 2020, 238, 1619-1625.	1.5	23
143	STIMULATION OF CORTICOSPINAL PATHWAYS AT THE LEVEL OF THE PYRAMIDAL DECUSSATION IN NEUROLOGICAL DISORDERS. Brain, 1992, 115, 1947-1961.	7.6	22
144	Effects of high frequency electromagnetic field (EMF) emitted by mobile phones on the human motor cortex. Bioelectromagnetics, 2007, 28, 553-561.	1.6	22

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145	Evaluation of spinal and bulbar muscular atrophy by the clustering index method. Muscle and Nerve, 2011, 44, 539-546.	2.2	22
146	Effects of electromagnetic fields emitted from Wâ€CDMAâ€like mobile phones on sleep in humans. Bioelectromagnetics, 2013, 34, 589-598.	1.6	22
147	Cortical hemoglobin concentration changes underneath the coil after single-pulse transcranial magnetic stimulation: a near-infrared spectroscopy study. Journal of Neurophysiology, 2013, 109, 1626-1637.	1.8	22
148	Is multiple system atrophy with cerebellar ataxia (MSA-C) like spinocerebellar ataxia and multiple system atrophy with parkinsonism (MSA-P) like Parkinsonâ€™s disease? â€“ A saccade study on pathophysiology. Clinical Neurophysiology, 2016, 127, 1491-1502.	1.5	22
149	Novel pathogenic XK mutations in McLeod syndrome and interaction between XK protein and chorein. Neurology: Genetics, 2019, 5, e328.	1.9	22
150	Remote effects of voluntary teeth clenching on excitability changes of the human hand motor area. Neuroscience Letters, 2005, 377, 25-30.	2.1	21
151	Effects of thirty-minute mobile phone exposure on saccades. Clinical Neurophysiology, 2007, 118, 1545-1556.	1.5	21
152	â€œClustering Index methodâ€• A new technique for differentiation between neurogenic and myopathic changes using surface EMG. Clinical Neurophysiology, 2011, 122, 1032-1041.	1.5	21
153	Air-puff-induced facilitation of motor cortical excitability studied in patients with discrete brain lesions. Brain, 1999, 122, 2259-2277.	7.6	20
154	Neural Control of Cross-language Asymmetry in the Bilingual Brain. Cerebral Cortex, 2010, 20, 2244-2251.	2.9	20
155	Increased facilitation of the primary motor cortex in de novo Parkinson's disease. Parkinsonism and Related Disorders, 2019, 66, 125-129.	2.2	20
156	Effects of Wâ€CDMA 1950â€‰MHz EMF emitted by mobile phones on regional cerebral blood flow in humans. Bioelectromagnetics, 2009, 30, 536-544.	1.6	19
157	Different degrees of loss of function between GEFS+ and SMEI Na_v1.1 missense mutants at the same residue induced by rescuable folding defects. Epilepsia, 2012, 53, e111-4.	5.1	19
158	Quadri-pulse stimulation induces stimulation frequency dependent cortical hemoglobin concentration changes within the ipsilateral motor cortical network. Brain Stimulation, 2013, 6, 40-48.	1.6	19
159	Saccade abnormalities associated with focal cerebral lesions â€“ How cortical and basal ganglia commands shape saccades in humans. Clinical Neurophysiology, 2016, 127, 2953-2967.	1.5	19
160	Exaggerated 16â€“20 Hz motor cortical oscillation in patients with positive or negative myoclonus. Clinical Neurophysiology, 2003, 114, 1278-1284.	1.5	18
161	Interhemispheric Transmission of Visuomotor Information for Motor Implementation. Cerebral Cortex, 2005, 15, 1025-1036.	2.9	18
162	Supramaximal responses can be elicited in hand muscles by magnetic stimulation of the cervical motor roots. Brain Stimulation, 2010, 3, 153-160.	1.6	18

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163	Aging influences central motor conduction less than peripheral motor conduction: A transcranial magnetic stimulation study. Muscle and Nerve, 2012, 46, 926-931.	2.2	18
164	The effect of age on the homotopic motor cortical long-term potentiation-like effect induced by quadripulse stimulation. Experimental Brain Research, 2017, 235, 2103-2108.	1.5	18
165	Magneto-Electrical Stimulation of Central Motor Pathways Compared with Percutaneous Electrical Stimulation. European Neurology, 1990, 30, 14-18.	1.4	17
166	1950â€‰MHz IMTâ€2000 field does not activate microglial cells in vitro. Bioelectromagnetics, 2010, 31, 104-112.	1.6	17
167	The 3-Second Rule in Hereditary Pure Cerebellar Ataxia: A Synchronized Tapping Study. PLoS ONE, 2015, 10, e0118592.	2.5	17
168	Coil model comparison for cerebellar transcranial magnetic stimulation. Biomedical Physics and Engineering Express, 2018, 5, 015020.	1.2	17
169	A multi-scale computational approach based on TMS experiments for the assessment of electro-stimulation thresholds of the brain at intermediate frequencies. Physics in Medicine and Biology, 2018, 63, 225006.	3.0	17
170	Magnetic stimulation of the descending and ascending tracts at the foramen magnum level. Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control, 1997, 105, 128-131.	1.4	16
171	Primary motor cortex isolation: complete paralysis with preserved primary motor cortex. Journal of the Neurological Sciences, 1998, 155, 115-119.	0.6	16
172	Effects of thirty-minute mobile phone use on visuo-motor reaction time. Clinical Neurophysiology, 2006, 117, 2504-2511.	1.5	16
173	Cortico-conus motor conduction time (CCCT) for leg muscles. Clinical Neurophysiology, 2010, 121, 1930-1933.	1.5	16
174	Prominent cauda equina involvement in patients with chronic inflammatory demyelinating polyradiculoneuropathy. Journal of the Neurological Sciences, 2010, 290, 112-114.	0.6	16
175	Utility of TMS to understand the neurobiology of speech. Frontiers in Psychology, 2013, 4, 446.	2.1	16
176	MRI-based visualization of rTMS-induced cortical plasticity in the primary motor cortex. PLoS ONE, 2019, 14, e0224175.	2.5	16
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