Robert Chen

List of Publications by Year
in descending order

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367 papers	25,945 citations	4942 84 h-index	8835 145 g-index
373 all docs	373 docs citations	373 times ranked	16749 citing authors

#	Article	IF	Citations
1	Water Diffusion Changes in Wallerian Degeneration and Their Dependence on White Matter Architecture. NeuroImage, 2001, 13, 1174-1185.	2.1	839
2	Nervous system reorganization following injury. Neuroscience, 2002, 111, 761-773.	1.1	636
3	Safety and recommendations for TMS use in healthy subjects and patient populations, with updates on training, ethical and regulatory issues: Expert Guidelines. Clinical Neurophysiology, 2021, 132, 269-306.	0.7	553
4	The clinical diagnostic utility of transcranial magnetic stimulation: Report of an IFCN committee. Clinical Neurophysiology, 2008, 119, 504-532.	0.7	547
5	Interactions between two different inhibitory systems in the human motor cortex. Journal of Physiology, 2001, 530, 307-317.	1.3	459
6	Intracortical Inhibition and Facilitation in Different Representations of the Human Motor Cortex. Journal of Neurophysiology, 1998, 80, 2870-2881.	0.9	419
7	Interactions between inhibitory and excitatory circuits in the human motor cortex. Experimental Brain Research, 2004, 154, 1-10.	0.7	407
8	Multimodal imaging of brain reorganization in motor areas of the contralesional hemisphere of well recovered patients after capsular stroke. Brain, 2006, 129, 791-808.	3.7	403
9	The mechanisms of interhemispheric inhibition in the human motor cortex. Journal of Physiology, 2002, 543, 317-326.	1.3	376
10	Definition and classification of hyperkinetic movements in childhood. Movement Disorders, 2010, 25, 1538-1549.	2.2	374
11	Time course of corticospinal excitability in reaction time and self-paced movements. Annals of Neurology, 1998, 44, 317-325.	2.8	358
12	Mechanism of the silent period following transcranial magnetic stimulation. Experimental Brain Research, 1999, 128, 539-542.	0.7	332
13	Organization of Ipsilateral Excitatory and Inhibitory Pathways in the Human Motor Cortex. Journal of Neurophysiology, 2003, 89, 1256-1264.	0.9	319
14	Deep brain stimulation for Parkinson's disease: disrupting the disruption. Lancet Neurology, The, 2002, 1, 225-231.	4.9	315
15	Involvement of the ipsilateral motor cortex in finger movements of different complexities. Annals of Neurology, 1997, 41, 247-254.	2.8	297
16	Motor cortex plasticity in Parkinson's disease and levodopa-induced dyskinesias. Brain, 2006, 129, 1059-1069.	3.7	286
17	Exploring the connectivity between the cerebellum and motor cortex in humans. Journal of Physiology, 2004, 557, 689-700.	1.3	281
18	Stimulation over the human supplementary motor area interferes with the organization of future elements in complex motor sequences. Brain, 1997, 120, 1587-1602.	3.7	277

#	Article	IF	Citations
19	A Clinical Practice Guideline for the Management of Patients With Degenerative Cervical Myelopathy: Recommendations for Patients With Mild, Moderate, and Severe Disease and Nonmyelopathic Patients With Evidence of Cord Compression. Global Spine Journal, 2017, 7, 70S-83S.	1.2	277
20	Modulation of motor cortex excitability by median nerve and digit stimulation. Experimental Brain Research, 1999, 129, 77.	0.7	276
21	Clinical utility and prospective of TMSâ€“EEG. Clinical Neurophysiology, 2019, 130, 802-844.	0.7	276
22	Mechanisms of Cortical Reorganization in Lower-Limb Amputees. Journal of Neuroscience, 1998, 18, 3443-3450.	1.7	275
23	Constraint-Induced Therapy in Stroke: Magnetic-Stimulation Motor Maps and Cerebral Activation. Neurorehabilitation and Neural Repair, 2003, 17, 48-57.	1.4	267
24	Long-Term Follow-up of Unilateral Pallidotomy in Advanced Parkinson's Disease. New England Journal of Medicine, 2000, 342, 1708-1714.	13.9	263
25	Short and long latency afferent inhibition in Parkinson's disease. Brain, 2003, 126, 1883-1894.	3.7	258
26	Evidence for Impaired Cortical Inhibition in Schizophrenia Using Transcranial Magnetic Stimulation. Archives of General Psychiatry, 2002, 59, 347.	13.8	256
27	Studies of human motor physiology with transcranial magnetic stimulation. Muscle and Nerve, 2000, 23, S26-S32.	1.0	232
28	Inhibitory influence of the ipsilateral motor cortex on responses to stimulation of the human cortex and pyramidal tract. Journal of Physiology, 1998, 510, 249-259.	1.3	219
29	Impaired inhibition in writer's cramp during voluntary muscle activation. Neurology, 1997, 49, 1054-1059.	1.5	218
30	Long-Interval Cortical Inhibition from the Dorsolateral Prefrontal Cortex: a TMSâ€“EEG Study. Neuropsychopharmacology, 2008, 33, 2860-2869.	2.8	211
31	Crossed reduction of human motor cortex excitability by 1-Hz transcranial magnetic stimulation. Neuroscience Letters, 1998, 250, 141-144.	1.0	210
32	Safety of different inter-train intervals for repetitive transcranial magnetic stimulation and recommendations for safe ranges of stimulation parameters. Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control, 1997, 105, 415-421.	1.4	207
33	Two phases of short-interval intracortical inhibition. Experimental Brain Research, 2003, 151, 330-337.	0.7	200
34	rTMS for Suppressing Neuropathic Pain: A Meta-Analysis. Journal of Pain, 2009, 10, 1205-1216.	0.7	199
35	Two Phases of Interhemispheric Inhibition between Motor Related Cortical Areas and the Primary Motor Cortex in Human. Cerebral Cortex, 2009, 19, 1654-1665.	1.6	196
36	Cortical and spinal abnormalities in psychogenic dystonia. Annals of Neurology, 2006, 59, 825-834.	2.8	195

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37	Contralesional repetitive transcranial magnetic stimulation for chronic hemiparesis in subcortical paediatric stroke: a randomised trial. Lancet Neurology, The, 2008, 7, 507-513.	4.9	194
38	Effect of transcranial magnetic stimulation on Parkinson motor functionâ€"Systematic review of controlled clinical trials. Movement Disorders, 2009, 24, 357-363.	2.2	193
39	The effects of repetitive transcranial magnetic stimulation on cortical inhibition in healthy human subjects. Experimental Brain Research, 2006, 174, 403-412.	0.7	192
40	Role of the Ipsilateral Motor Cortex in Voluntary Movement. Canadian Journal of Neurological Sciences, 1997, 24, 284-291.	0.3	180
41	Evidence for Impaired Long-Term Potentiation in Schizophrenia and Its Relationship to Motor Skill Leaning. Cerebral Cortex, 2008, 18, 990-996.	1.6	179
42	Prediction of outcome in patients with anoxic coma. Critical Care Medicine, 1996, 24, 672-678.	0.4	175
43	Intensity-dependent effects of 1 Hz rTMS on human corticospinal excitability. Clinical Neurophysiology, 2002, 113, 1136-1141.	0.7	162
44	Studies of Neuroplasticity With Transcranial Magnetic Stimulation. Journal of Clinical Neurophysiology, 1998, 15, 305-324.	0.9	161
45	The role of the human motor cortex in the control of complex and simple finger movement sequences. Brain, 1998, 121, 1695-1709.	3.7	156
46	The modified bradykinesia rating scale for Parkinson's disease: Reliability and comparison with kinematic measures. Movement Disorders, 2011, 26, 1859-1863.	2.2	152
47	Rapid modulation of GABA in sensorimotor cortex induced by acute deafferentation. Annals of Neurology, 2002, 52, 755-761.	2.8	147
48	Suppression of the motor cortex by magnetic stimulation of the cerebellum. Experimental Brain Research, 2001, 140, 505-510.	0.7	146
49	Phrenic nerve conduction study in normal subjects. Muscle and Nerve, 1995, 18, 330-335.	1.0	140
50	Evidence for gamma inhibition deficits in the dorsolateral prefrontal cortex of patients with schizophrenia. Brain, 2010, 133, 1505-1514.	3.7	137
51	Multifocal repetitive TMS for motor and mood symptoms of Parkinson disease. Neurology, 2016, 87, 1907-1915.	1.5	131
52	Cutaneomotor integration in humans is somatotopically organized at various levels of the nervous system and is task dependent. Experimental Brain Research, 2000, 130, 48-59.	0.7	129
53	Potentials recorded at the scalp by stimulation near the human subthalamic nucleus. Clinical Neurophysiology, 2001, 112, 431-437.	0.7	127
54	Differential response of speed, amplitude, and rhythm to dopaminergic medications in Parkinson's disease. Movement Disorders, 2011, 26, 2504-2508.	2.2	126

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55	Digit Somatotopy within Cortical Areas of the Postcentral Gyrus in Humans. Cerebral Cortex, 2008, 18, 2341-2351.	1.6	125
56	The Nature and Time Course of Cortical Activation Following Subthalamic Stimulation in Parkinson's Disease. Cerebral Cortex, 2010, 20, 1926-1936.	1.6	125
57	Characterization of Glutamatergic and GABAA-Mediated Neurotransmission in Motor and Dorsolateral Prefrontal Cortex Using Paired-Pulse TMSâ€“EEG. Neuropsychopharmacology, 2017, 42, 502-511.	2.8	124
58	Transcranial magnetic stimulation of the brain: What is stimulated? â€“ A consensus and critical position paper. Clinical Neurophysiology, 2022, 140, 59-97.	0.7	124
59	Consensus paper on short-interval intracortical inhibition and other transcranial magnetic stimulation intracortical paradigms in movement disorders. Brain Stimulation, 2008, 1, 183-191.	0.7	123
60	Dysfunctional Neural Plasticity in Patients With Schizophrenia. Archives of General Psychiatry, 2008, 65, 378.	13.8	119
61	Contribution of transcranial magnetic stimulation to assessment of brain connectivity and networks. Clinical Neurophysiology, 2017, 128, 2125-2139.	0.7	119
62	Digitâ€specific aberrations in the primary somatosensory cortex in Writer's cramp. Annals of Neurology, 2009, 66, 146-154.	2.8	117
63	Involvement of the cerebellothalamocortical pathway in Parkinson disease. Annals of Neurology, 2010, 68, 816-824.	2.8	117
64	Combined insular and striatal dopamine dysfunction are associated with executive deficits in Parkinsonâ€™s disease with mild cognitive impairment. Brain, 2014, 137, 565-575.	3.7	116
65	The mechanisms of action of deep brain stimulation and ideas for the future development. Progress in Neurobiology, 2015, 133, 27-49.	2.8	116
66	Observation???execution matching system for speech: a magnetic stimulation study. NeuroReport, 2001, 12, 1341-1344.	0.6	114
67	The Role of the Corpus Callosum in Transcranial Magnetic Stimulation Induced Interhemispheric Signal Propagation. Biological Psychiatry, 2010, 68, 825-831.	0.7	114
68	Increased motor cortical facilitation and decreased inhibition in Parkinson disease. Neurology, 2013, 80, 1746-1753.	1.5	114
69	Rigidity and spasms from autoimmune encephalomyelopathies: Stiff-person syndrome. Muscle and Nerve, 2006, 34, 677-690.	1.0	113
70	Evidence for excessive frontal evoked gamma oscillatory activity in schizophrenia during working memory. Schizophrenia Research, 2010, 121, 146-152.	1.1	113
71	The role of the cerebellum in the pathophysiology and treatment of neuropsychiatric disorders: A review. Brain Research Reviews, 2008, 59, 185-200.	9.1	112
72	Involvement of human thalamus in the preparation of self-paced movement. Brain, 2004, 127, 2717-2731.	3.7	111

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73	Effect of Low-Frequency Repetitive Transcranial Magnetic Stimulation on Interhemispheric Inhibition. Journal of Neurophysiology, 2005, 94, 1668-1675.	0.9	111
74	The EEG correlates of the TMS-induced EMG silent period in humans. NeuroImage, 2013, 83, 120-134.	2.1	111
75	Transcranial Magnetic Stimulation in Different Current Directions Activates Separate Cortical Circuits. Journal of Neurophysiology, 2011, 105, 749-756.	0.9	108
76	Impairments of speed and amplitude of movement in Parkinson's disease: A pilot study. Movement Disorders, 2009, 24, 1001-1008.	2.2	104
77	The Time Course of Changes in Motor Cortex Excitability Associated with Voluntary Movement. Canadian Journal of Neurological Sciences, 1999, 26, 163-169.	0.3	102
78	Reliability of Long-Interval Cortical Inhibition in Healthy Human Subjects: A TMSâ€“EEG Study. Journal of Neurophysiology, 2010, 104, 1339-1346.	0.9	102
79	Palliative care for advanced Parkinson disease: An interdisciplinary clinic and new scale, the ESAS-PD. Parkinsonism and Related Disorders, 2012, 18, S6-S9.	1.1	102
80	The long-term outcome of orthostatic tremor. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, jnnp-2014-309942.	0.9	100
81	Cerebral blood flow changes induced by pedunculopontine nucleus stimulation in patients with advanced Parkinson's disease: A [¹⁵O] H₂O PET study. Human Brain Mapping, 2009, 30, 3901-3909.	1.9	99
82	Potentiation of Gamma Oscillatory Activity through Repetitive Transcranial Magnetic Stimulation of the Dorsolateral Prefrontal Cortex. Neuropsychopharmacology, 2009, 34, 2359-2367.	2.8	98
83	The cerebellothalamocortical pathway in essential tremor. Neurology, 2003, 60, 1985-1987.	1.5	97
84	Interhemispheric and ipsilateral connections in Parkinson's disease: Relation to mirror movements. Movement Disorders, 2007, 22, 813-821.	2.2	97
85	Mirror movements in parkinsonism: evaluation of a new clinical sign. Journal of Neurology, Neurosurgery and Psychiatry, 2005, 76, 1355-1359.	0.9	96
86	Salience network and parahippocampal dopamine dysfunction in memoryâ€impaired Parkinson disease. Annals of Neurology, 2015, 77, 269-280.	2.8	93
87	Effects of short interval intracortical inhibition and intracortical facilitation on short interval intracortical facilitation in human primary motor cortex. Journal of Physiology, 2009, 587, 5665-5678.	1.3	92
88	Suppression of Î³-Oscillations in the Dorsolateral Prefrontal Cortex following Long Interval Cortical Inhibition: A TMSâ€“EEG Study. Neuropsychopharmacology, 2009, 34, 1543-1551.	2.8	89
89	Impairment of motor cortex activation and deactivation in Parkinson's disease. Clinical Neurophysiology, 2001, 112, 600-607.	0.7	88
90	Cortical excitability and interhemispheric inhibition after subcortical pediatric stroke: Plastic organization and effects of rTMSâ†. Clinical Neurophysiology, 2010, 121, 1922-1929.	0.7	88

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91	Diagnostic contribution and therapeutic perspectives of transcranial magnetic stimulation in dementia. Clinical Neurophysiology, 2021, 132, 2568-2607.	0.7	85
92	Seizures in healthy people with repeated "safe" trains of transcranial magnetic stimuli. Lancet, The, 1996, 347, 825-826.	6.3	84
93	Effects of peripheral sensory input on cortical inhibition in humans. Journal of Physiology, 2002, 544, 617-629.	1.3	84
94	Unilateral subdural motor cortex stimulation improves essential tremor but not Parkinson's disease. Brain, 2011, 134, 2096-2105.	3.7	83
95	STIMULUS-SENSITIVE MYOCLONUS IN AKINETIC-RIGID SYNDROMES. Brain, 1992, 115, 1875-1888.	3.7	81
96	Interhemispheric Inhibition in Distal and Proximal Arm Representations in the Primary Motor Cortex. Journal of Neurophysiology, 2007, 97, 2511-2515.	0.9	81
97	The Relationship Between Cortical Inhibition, Antipsychotic Treatment, and the Symptoms of Schizophrenia. Biological Psychiatry, 2009, 65, 503-509.	0.7	81
98	Stop-related subthalamic beta activity indexes global motor suppression in Parkinson's disease. Movement Disorders, 2016, 31, 1846-1853.	2.2	81
99	Increased cortical inhibition in persons with schizophrenia treated with clozapine. Journal of Psychopharmacology, 2008, 22, 203-209.	2.0	79
100	Deep brain stimulation of the ventral intermediate nucleus of the thalamus in medically refractory orthostatic tremor: Preliminary observations. Movement Disorders, 2008, 23, 2357-2362.	2.2	78
101	Cortical Plasticity Following Nerve Transfer in the Upper Extremity. Hand Clinics, 2008, 24, 425-444.	0.4	77
102	Transcranial Magnetic Stimulation. Journal of Neuropsychiatry and Clinical Neurosciences, 2002, 14, 406-415.	0.9	74
103	Facilitatory I Wave Interaction in Proximal Arm and Lower Limb Muscle Representations of the Human Motor Cortex. Journal of Neurophysiology, 2000, 83, 1426-1434.	0.9	73
104	The effects of inhibitory and facilitatory intracortical circuits on interhemispheric inhibition in the human motor cortex. Journal of Physiology, 2007, 580, 1021-1032.	1.3	73
105	The Rationale Driving the Evolution of Deep Brain Stimulation to Constant-Current Devices. Neuromodulation, 2015, 18, 85-89.	0.4	73
106	Respiratory electrophysiological studies in Guillain-Barre syndrome.. Journal of Neurology, Neurosurgery and Psychiatry, 1996, 60, 191-194.	0.9	72
107	An open trial of clozapine for dystonia. Movement Disorders, 1999, 14, 652-657.	2.2	72
108	Modulation of cognitive cerebello-cerebral functional connectivity by lateral cerebellar continuous theta burst stimulation. NeuroImage, 2017, 158, 48-57.	2.1	72

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109	The Effect of Repetitive Transcranial Magnetic Stimulation on Gamma Oscillatory Activity in Schizophrenia. PLoS ONE, 2011, 6, e22627.	1.1	72
110	An automated method to determine the transcranial magnetic stimulation-induced contralateral silent period. Clinical Neurophysiology, 2003, 114, 938-944.	0.7	70
111	Task-dependent intracortical inhibition is impaired in focal hand dystonia. Movement Disorders, 2005, 20, 545-551.	2.2	70
112	Effect of muscle activity immediately after botulinum toxin injection for writer's cramp. Movement Disorders, 1999, 14, 307-312.	2.2	69
113	Short interval intracortical inhibition and facilitation during the silent period in human. Journal of Physiology, 2007, 583, 971-982.	1.3	69
114	Impaired presynaptic inhibition in the motor cortex in Parkinson disease. Neurology, 2009, 72, 842-849.	1.5	68
115	Mechanisms underlying human motor system plasticity. Muscle and Nerve, 2001, 24, 602-613.	1.0	67
116	Interactions between long latency afferent inhibition and interhemispheric inhibitions in the human motor cortex. Journal of Physiology, 2005, 563, 915-924.	1.3	67
117	Motor neuron disease presenting as acute respiratory failure: a clinical and pathological study.. Journal of Neurology, Neurosurgery and Psychiatry, 1996, 60, 455-458.	0.9	66
118	Reduced Cerebellar Inhibition in Schizophrenia: A Preliminary Study. American Journal of Psychiatry, 2005, 162, 1203-1205.	4.0	66
119	Changes in motor cortex excitability with stimulation of anterior thalamus in epilepsy. Neurology, 2006, 66, 566-571.	1.5	66
120	Deep Brain Stimulation of the Ventral Intermediate Nucleus of the Thalamus for Tremor in Patients With Multiple Sclerosis. Neurosurgery, 2010, 67, 646-651.	0.6	66
121	Involvement of the Basal Ganglia and Cerebellar Motor Pathways in the Preparation of Self-Initiated and Externally Triggered Movements in Humans. Journal of Neuroscience, 2007, 27, 6029-6036.	1.7	65
122	Transcranial Magnetic Stimulation for Pain, Headache, and Comorbid Depression: INS-NANS Expert Consensus Panel Review and Recommendation. Neuromodulation, 2020, 23, 267-290.	0.4	65
123	Focal Dystonia and Repetitive Motion Disorders. Clinical Orthopaedics and Related Research, 1998, 351, 102???106.	0.7	64
124	Representation of facial muscles in human motor cortex. Journal of Physiology, 2005, 567, 323-336.	1.3	64
125	Effects of theta burst stimulation on motor cortex excitability in Parkinsonâ€™s disease. Clinical Neurophysiology, 2012, 123, 815-821.	0.7	64
126	Motor Cortical Plasticity in Parkinsonâ€™s Disease. Frontiers in Neurology, 2013, 4, 128.	1.1	64

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127	Cortical Plasticity Induction by Pairing Subthalamic Nucleus Deep-Brain Stimulation and Primary Motor Cortical Transcranial Magnetic Stimulation in Parkinson's Disease. Journal of Neuroscience, 2016, 36, 396-404.	1.7	64
128	Systematic examination of low-intensity ultrasound parameters on human motor cortex excitability and behavior. ELife, 2020, 9, .	2.8	64
129	Transcranial magnetic stimulation to understand pathophysiology and as potential treatment for neurodegenerative diseases. Translational Neurodegeneration, 2015, 4, 22.	3.6	63
130	Evidence for inhibitory deficits in the prefrontal cortex in schizophrenia. Brain, 2015, 138, 483-497.	3.7	63
131	Subthalamic nucleus stimulation modulates afferent inhibition in Parkinson disease. Neurology, 2007, 68, 356-363.	1.5	62
132	Very Fast Oscillations Evoked by Median Nerve Stimulation in the Human Thalamus and Subthalamic Nucleus. Journal of Neurophysiology, 2004, 92, 3171-3182.	0.9	61
133	Subthalamic deep brain stimulation at individualized frequencies for Parkinson disease. Neurology, 2012, 78, 1930-1938.	1.5	61
134	Plasticity of the human motor system following muscle reconstruction: a magnetic stimulation and functional magnetic resonance imaging study. Clinical Neurophysiology, 2003, 114, 2434-2446.	0.7	60
135	Primary diffuse leptomeningeal oligodendroglioma. Journal of Neurosurgery, 1995, 83, 724-728.	0.9	59
136	Safety of transcranial magnetic stimulation in patients with implanted deep brain stimulators. Movement Disorders, 1999, 14, 157-158.	2.2	59
137	Interactions between short latency afferent inhibition and long interval intracortical inhibition. Experimental Brain Research, 2009, 199, 177-183.	0.7	59
138	Repetitive transcranial magnetic stimulation of the primary motor cortex in the treatment of motor signs in Parkinson's disease: A quantitative review of the literature. Movement Disorders, 2015, 30, 750-758.	2.2	56
139	Single Pulse Stimulation of the Human Subthalamic Nucleus Facilitates the Motor Cortex at Short Intervals. Journal of Neurophysiology, 2004, 92, 1937-1943.	0.9	55
140	Low-frequency repetitive transcranial magnetic stimulation for treatment of levodopa-induced dyskinesias. Neurology, 2007, 68, 704-705.	1.5	54
141	Bi-directional interhemispheric inhibition during unimanual sustained contractions. BMC Neuroscience, 2009, 10, 31.	0.8	54
142	Myoclonus: Pathophysiology and Treatment Options. Current Treatment Options in Neurology, 2016, 18, 21.	0.7	54
143	Changing cortical excitability with low-frequency magnetic stimulation. Neurology, 2001, 57, 379-380.	1.5	53
144	Changes in cortical and pallidal oscillatory activity during the execution of a sensory trick in patients with cervical dystonia. Experimental Neurology, 2007, 204, 845-848.	2.0	53

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145	Measurement and Modulation of Plasticity of the Motor System in Humans Using Transcranial Magnetic Stimulation. Motor Control, 2009, 13, 442-453.	0.3	53
146	Determining optimal rTMS parameters through changes in cortical inhibition. Clinical Neurophysiology, 2014, 125, 755-762.	0.7	53
147	Invasive and Noninvasive Brain Stimulation in Parkinson's Disease: Clinical Effects and Future Perspectives. Clinical Pharmacology and Therapeutics, 2019, 106, 763-775.	2.3	53
148	Somatosensory evoked potentials (SEPs) recorded from deep brain stimulation (DBS) electrodes in the thalamus and subthalamic nucleus (STN). Clinical Neurophysiology, 2004, 115, 424-434.	0.7	52
149	Triple-pulse TMS to study interactions between neural circuits in human cortex. Brain Stimulation, 2011, 4, 281-293.	0.7	52
150	Impaired interhemispheric inhibition in writer's cramp. Neurology, 2010, 75, 441-447.	1.5	51
151	Pallidal deep brain stimulation modulates cortical excitability and plasticity. Annals of Neurology, 2018, 83, 352-362.	2.8	51
152	Dysfunction in emotion processing underlies functional (psychogenic) dystonia. Movement Disorders, 2018, 33, 136-145.	2.2	51
153	MRI-targeted repetitive transcranial magnetic stimulation of Heschlâ€™s gyrus for refractory auditory hallucinations. Brain Stimulation, 2012, 5, 577-585.	0.7	48
154	Characterization of the influence of age on GABAA and glutamatergic mediated functions in the dorsolateral prefrontal cortex using paired-pulse TMS-EEG. Aging, 2017, 9, 556-572.	1.4	47
155	Neurophysiological biomarkers using transcranial magnetic stimulation in Alzheimerâ€™s disease and mild cognitive impairment: A systematic review and meta-analysis. Neuroscience and Biobehavioral Reviews, 2021, 121, 47-59.	2.9	47
156	Associated movement disorders in orthostatic tremor. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, 725-729.	0.9	46
157	Augmenting Plasticity Induction in Human Motor Cortex by Disinhibition Stimulation. Cerebral Cortex, 2016, 26, 58-69.	1.6	46
158	Calreticulin: An Intracellular Ca++-Binding Protein Abundantly Expressed and Regulated by Androgen in Prostatic Epithelial Cells**This work was supported by Boehringer Ingelheim International GmbH, American Cancer Society, Illinois Division Grant 95â€“58, the Robert H. Lurie Cancer Center Grant 200, NCI 1R21 CA69851â€“01, a CaPCURE award, and NIH Grant R01-DK-51193.. Endocrinology, 1998, 139, 4337-4344.	1.4	45
159	Central motor conduction time. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2013, 116, 375-386.	1.0	45
160	Effect of antipsychotics on cortical inhibition using transcranial magnetic stimulation. Psychopharmacology, 2003, 170, 255-262.	1.5	43
161	Changes in cortical excitability with thalamic deep brain stimulation. Neurology, 2005, 64, 1913-1919.	1.5	43
162	Long-term subthalamic nucleus stimulation improves sensorimotor integration and proprioception. Journal of Neurology, Neurosurgery and Psychiatry, 2013, 84, 1020-1028.	0.9	43

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163	Electrophysiological features of myoclonusâ€dystonia. Movement Disorders, 2008, 23, 2055-2061.	2.2	42
164	Human dorsomedial parieto-motor circuit specifies grasp during the planning of goal-directed hand actions. Cortex, 2017, 92, 175-186.	1.1	42
165	Heterosynaptic Modulation of Motor Cortical Plasticity in Human. Journal of Neuroscience, 2014, 34, 7314-7321.	1.7	41
166	The influence of sensory afferent input on local motor cortical excitatory circuitry in humans. Journal of Physiology, 2015, 593, 1667-1684.	1.3	41
167	Possible differences between the time courses of presynaptic and postsynaptic GABAB mediated inhibition in the human motor cortex. Experimental Brain Research, 2008, 184, 571-577.	0.7	40
168	Induction of Human Motor Cortex Plasticity by Theta Burst Transcranial Ultrasound Stimulation. Annals of Neurology, 2022, 91, 238-252.	2.8	40
169	Lambert-Eaton myasthenic syndrome presenting with severe respiratory failure. , 1996, 19, 1328-1333.		39
170	Neurocardiogenic Syncope Complicating Pediatric Transcranial Magnetic Stimulation. Pediatric Neurology, 2008, 39, 196-197.	1.0	39
171	Safety of transcranial magnetic stimulation in Parkinson's disease: A review of the literature. Parkinsonism and Related Disorders, 2013, 19, 573-585.	1.1	39
172	Effects of subthalamic nucleus stimulation on motor cortex plasticity in Parkinson disease. Neurology, 2015, 85, 425-432.	1.5	39
173	3-Tesla MRI of deep brain stimulation patients: safety assessment of coils and pulse sequences. Journal of Neurosurgery, 2020, 132, 586-594.	0.9	39
174	Short-interval intracortical inhibition blocks long-term potentiation induced by paired associative stimulation. Journal of Neurophysiology, 2012, 107, 1935-1941.	0.9	37
175	Movement related potentials and oscillatory activities in the human internal globus pallidus during voluntary movements. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, 91-97.	0.9	37
176	Effects of lorazepam and baclofen on shortâ€and longâ€latency afferent inhibition. Journal of Physiology, 2018, 596, 5267-5280.	1.3	36
177	Principles of Electrophysiological Assessments for Movement Disorders. Journal of Movement Disorders, 2020, 13, 27-38.	0.7	36
178	Human Studies of Transcranial Ultrasound neuromodulation: A systematic review of effectiveness and safety. Brain Stimulation, 2022, 15, 737-746.	0.7	36
179	Analysis of fractal electrodes for efficient neural stimulation. Frontiers in Neuroengineering, 2013, 6, 3.	4.8	35
180	Subacute uremic and diabetic polyneuropathy. Muscle and Nerve, 1997, 20, 59-64.	1.0	34

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181	Direct demonstration of inhibitory interactions between long interval intracortical inhibition and short interval intracortical inhibition. Journal of Physiology, 2011, 589, 2955-2962.	1.3	34
182	Research Priorities in Limb and Task-Specific Dystonias. Frontiers in Neurology, 2017, 8, 170.	1.1	34
183	Rubber hand illusion modulates the influences of somatosensory and parietal inputs to the motor cortex. Journal of Neurophysiology, 2019, 121, 563-573.	0.9	34
184	Exploring the effect of inducing long-term potentiation in the human motor cortex on motor learning. Brain Stimulation, 2011, 4, 137-144.	0.7	33
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