

Ulf Ziemann

List of Publications by Year in descending order

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Version: 2024-02-01

389
papers

43,264
citations

2101

100
h-index

2747

192
g-index

452
all docs

452
docs citations

452
times ranked

22242
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting motor behavior: an efficient EEG signal processing pipeline to detect brain states with potential therapeutic relevance for VR-based neurorehabilitation. <i>Virtual Reality</i> , 2023, 27, 347-369.	6.1	9
2	Neurophysiological features in spinocerebellar ataxia type 2: Prospects for novel biomarkers. <i>Clinical Neurophysiology</i> , 2022, 135, 1-12.	1.5	4
3	More invited reviews in clinical neurophysiology. <i>Clinical Neurophysiology</i> , 2022, 136, 39.	1.5	0
4	Bihemispheric sensorimotor oscillatory network states determine cortical responses to transcranial magnetic stimulation. <i>Brain Stimulation</i> , 2022, 15, 167-178.	1.6	10
5	Toward noninvasive brain stimulation 2.0 in Alzheimer's disease. <i>Ageing Research Reviews</i> , 2022, 75, 101555.	10.9	37
6	Prefrontal theta phase-dependent rTMS-induced plasticity of cortical and behavioral responses in human cortex. <i>Brain Stimulation</i> , 2022, 15, 391-402.	1.6	13
7	Rapid Diagnosis of Central Nervous System Scedosporiosis by Specific Quantitative Polymerase Chain Reaction Applied to Formalin-Fixed, Paraffin-Embedded Tissue. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 19.	3.5	2
8	Artifacts in EEG-Based BCI Therapies: Friend or Foe?. <i>Sensors</i> , 2022, 22, 96.	3.8	6
9	Rescue Revascularisation in Acute Internal Carotid Artery Occlusion with a Super Extended Time Window of More than 48 hours. <i>Case Reports in Neurological Medicine</i> , 2022, 2022, 1-4.	0.4	0
10	Complicated Carotid Artery Plaques and Risk of Recurrent Ischemic Stroke or TIA. <i>Journal of the American College of Cardiology</i> , 2022, 79, 2189-2199.	2.8	20
11	Non-invasive brain stimulation and neuroenhancement. <i>Clinical Neurophysiology Practice</i> , 2022, 7, 146-165.	1.4	51
12	Transcranial magnetic stimulation of the brain: What is stimulated? – A consensus and critical position paper. <i>Clinical Neurophysiology</i> , 2022, 140, 59-97.	1.5	124
13	A questionnaire to collect unintended effects of transcranial magnetic stimulation: A consensus based approach. <i>Clinical Neurophysiology</i> , 2022, 141, 101-108.	1.5	12
14	Personalized neurorehabilitative precision medicine: from data to therapies (MWKNeuroReha) – a multi-centre prospective observational clinical trial to predict long-term outcome of patients with acute motor stroke. <i>BMC Neurology</i> , 2022, 22, .	1.8	2
15	Managing disorders of consciousness: the role of electroencephalography. <i>Journal of Neurology</i> , 2021, 268, 4033-4065.	3.6	46
16	A System for Continuous Pre- to Post-reperfusion Intra-carotid Cold Infusion for Selective Brain Hypothermia in Rodent Stroke Models. <i>Translational Stroke Research</i> , 2021, 12, 676-687.	4.2	3
17	Training in the practice of noninvasive brain stimulation: Recommendations from an IFCN committee. <i>Clinical Neurophysiology</i> , 2021, 132, 819-837.	1.5	38
18	Prodromal Spinocerebellar Ataxia Type 2 Subjects Have Quantifiable Gait and Postural Sway Deficits. <i>Movement Disorders</i> , 2021, 36, 471-480.	3.9	40

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19	Safety and recommendations for TMS use in healthy subjects and patient populations, with updates on training, ethical and regulatory issues: Expert Guidelines. <i>Clinical Neurophysiology</i> , 2021, 132, 269-306.	1.5	553
20	TMS-Evoked EEG Response in Neuropsychiatric Disorders. , 2021, , 95-106.		0
21	Point-of-care testing for emergency assessment of coagulation in patients treated with direct oral anticoagulants including edoxaban. <i>Neurological Research and Practice</i> , 2021, 3, 9.	2.0	16
22	Delirium REduction after administration of melatonin in acute ischemic stroke (DREAMS): A propensity score-matched analysis. <i>European Journal of Neurology</i> , 2021, 28, 1958-1966.	3.3	9
23	Spontaneous phase-coupling within cortico-cortical networks: How time counts for brain-state-dependent stimulation. <i>Brain Stimulation</i> , 2021, 14, 404-406.	1.6	4
24	Vagus nerve pressure palsy in hereditary neuropathy with liability to pressure palsies confirmed by neurosonography. <i>Clinical Neurophysiology</i> , 2021, 132, 975-976.	1.5	2
25	Deceleration capacity for rapid risk stratification in patients suffering from acute ischemic stroke. <i>Medicine (United States)</i> , 2021, 100, e25333.	1.0	4
26	Closure or medical therapy of patent foramen ovale in cryptogenic stroke: prospective case series. <i>Neurological Research and Practice</i> , 2021, 3, 16.	2.0	6
27	TMS-EEG signatures of glutamatergic neurotransmission in human cortex. <i>Scientific Reports</i> , 2021, 11, 8159.	3.3	50
28	A degraded state of consciousness in healthy awake humans?. <i>Brain Stimulation</i> , 2021, 14, 710-712.	1.6	9
29	Treatment of progressive multiple sclerosis with high-dose all-trans retinoic acid – no clear evidence of positive disease modifying effects. <i>Neurological Research and Practice</i> , 2021, 3, 25.	2.0	5
30	The use of IV immunoglobulin in the treatment of vaccine-induced immune thrombotic thrombocytopenia. <i>Blood</i> , 2021, 138, 992-996.	1.4	37
31	Prefrontal Theta-Phase Synchronized Brain Stimulation With Real-Time EEG-Triggered TMS. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 691821.	2.0	16
32	Phase-dependent offline enhancement of human motor memory. <i>Brain Stimulation</i> , 2021, 14, 873-883.	1.6	11
33	The new Handbook Series of Clinical Neurophysiology. <i>Clinical Neurophysiology Practice</i> , 2021, 6, 244.	1.4	0
34	Motor cortical excitability and paired-associative stimulation-induced plasticity in amnesic mild cognitive impairment and Alzheimer's disease. <i>Clinical Neurophysiology</i> , 2021, 132, 2264-2273.	1.5	8
35	Effect of stimulus orientation and intensity on short-interval intracortical inhibition (SICI) and facilitation (SICF): A multi-channel transcranial magnetic stimulation study. <i>PLoS ONE</i> , 2021, 16, e0257554.	2.5	9
36	Spontaneous transient brain states in EEG source space in disorders of consciousness. <i>NeuroImage</i> , 2021, 240, 118407.	4.2	23

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37	The new handbook series of clinical neurophysiology. Clinical Neurophysiology, 2021, 132, 2567.	1.5	0
38	Specific Point-of-Care Testing of Coagulation in Patients Treated with Dabigatran. Thrombosis and Haemostasis, 2021, 121, 782-791.	3.4	5
39	Machine learning identifies stroke features between species. Theranostics, 2021, 11, 3017-3034.	10.0	12
40	Research data management in clinical neuroscience: the national research data infrastructure initiative. Neuroforum, 2021, .	0.3	2
41	Sunlight exposure exerts immunomodulatory effects to reduce multiple sclerosis severity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	38
42	Central nervous system physiology. Clinical Neurophysiology, 2021, 132, 3043-3083.	1.5	12
43	Apixaban for treatment of embolic stroke of undetermined source (ATTICUS) randomized trial â€“ update of patient characteristics and study timeline after interim analysis. European Heart Journal, 2021, 42, .	2.2	10
44	Causal decoding of individual cortical excitability states. Neurolmage, 2021, 245, 118652.	4.2	17
45	Short-interval intracortical inhibition and facilitation targeting upper and lower limb muscles. Scientific Reports, 2021, 11, 21993.	3.3	3
46	Recording brain responses to TMS of primary motor cortex by EEG â€“ utility of an optimized sham procedure. Neurolmage, 2021, 245, 118708.	4.2	41
47	Safety and efficacy of erythropoietin for the treatment of patients with optic neuritis (TONE): a randomised, double-blind, multicentre, placebo-controlled study. Lancet Neurology, The, 2021, 20, 991-1000.	10.2	16
48	Brain State-dependent Gain Modulation of Corticospinal Output in the Active Motor System. Cerebral Cortex, 2020, 30, 371-381.	2.9	22
49	Brain oscillation-synchronized stimulation of the left dorsolateral prefrontal cortex in depression using real-time EEG-triggered TMS. Brain Stimulation, 2020, 13, 197-205.	1.6	80
50	Monitoring of low dabigatran concentrations: diagnostic performance at clinically relevant decision thresholds. Journal of Thrombosis and Thrombolysis, 2020, 49, 457-467.	2.1	6
51	Evidence-based guidelines on the therapeutic use of repetitive transcranial magnetic stimulation (rTMS): An update (2014â€“2018). Clinical Neurophysiology, 2020, 131, 474-528.	1.5	1,017
52	Genetic determinants of the humoral immune response in MS. Neurology: Neuroimmunology and NeuroInflammation, 2020, 7, e827.	6.0	7
53	Phase-dependent transcranial magnetic stimulation of the lesioned hemisphere is accurate after stroke. Brain Stimulation, 2020, 13, 1354-1357.	1.6	10
54	Differential effects of disease modifying drugs on peripheral blood B cell subsets: A cross sectional study in multiple sclerosis patients treated with interferon-Î², glatiramer acetate, dimethyl fumarate, fingolimod or natalizumab. PLoS ONE, 2020, 15, e0235449.	2.5	20

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55	Complicated Carotid Artery Plaques as a Cause of Cryptogenic Stroke. Journal of the American College of Cardiology, 2020, 76, 2212-2222.	2.8	64
56	Induction of LTD-like corticospinal plasticity by low-frequency rTMS depends on pre-stimulus phase of sensorimotor β -rhythm. Brain Stimulation, 2020, 13, 1580-1587.	1.6	38
57	Specific Induction of Double Negative B Cells During Protective and Pathogenic Immune Responses. Frontiers in Immunology, 2020, 11, 606338.	4.8	42
58	Optimizing Patient Selection for Interhospital Transfer and Endovascular Therapy in Acute Ischemic Stroke: Real-World Data From a Supraregional, Hub-and-Spoke Neurovascular Network in Germany. Frontiers in Neurology, 2020, 11, 600917.	2.4	8
59	Occurrence of primary progressive multiple sclerosis in a patient with argyria: Causality or coincidence?. Multiple Sclerosis and Related Disorders, 2020, 46, 102465.	2.0	2
60	Investigating the influence of paired-associative stimulation on multi-session skill acquisition and retention in older adults. Clinical Neurophysiology, 2020, 131, 1497-1507.	1.5	7
61	Brain responsivity provides an individual readout for motor recovery after stroke. Brain, 2020, 143, 1873-1888.	7.6	50
62	Clinical implications of serum neurofilament in newly diagnosed MS patients: A longitudinal multicentre cohort study. EBioMedicine, 2020, 56, 102807.	6.1	67
63	Interhemispheric symmetry of β -rhythm phase-dependency of corticospinal excitability. Scientific Reports, 2020, 10, 7853.	3.3	9
64	Explorative study of emerging blood biomarkers in progressive multiple sclerosis (EmBioProMS): Design of a prospective observational multicentre pilot study. Contemporary Clinical Trials Communications, 2020, 18, 100574.	1.1	5
65	Terminology in Neuromuscular Electrodiagnostic Medicine and Ultrasound: Time for an Update. Muscle and Nerve, 2020, 62, 1-1.	2.2	2
66	EMG Rectification Is Detrimental for Identifying Abnormalities in Corticomuscular and Intermuscular Coherence in Spinocerebellar Ataxia Type 2. Cerebellum, 2020, 19, 665-671.	2.5	11
67	I-waves in motor cortex revisited. Experimental Brain Research, 2020, 238, 1601-1610.	1.5	59
68	Early Administration of Desmopressin and Platelet Transfusion for Reducing Hematoma Expansion in Patients With Acute Antiplatelet Therapy Associated Intracerebral Hemorrhage*. Critical Care Medicine, 2020, 48, 1009-1017.	0.9	21
69	The effects of NMDA receptor blockade on TMS-evoked EEG potentials from prefrontal and parietal cortex. Scientific Reports, 2020, 10, 3168.	3.3	42
70	Terminology in neuromuscular electrodiagnostic medicine and ultrasound: Time for an update. Clinical Neurophysiology, 2020, 131, 1655.	1.5	0
71	The shaky ground truth of real-time phase estimation. NeuroImage, 2020, 214, 116761.	4.2	55
72	Rapid motor cortical reorganization following subacute spinal cord dysfunction. Brain Stimulation, 2020, 13, 783-785.	1.6	5

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73	Point-of-care testing of coagulation in patients treated with edoxaban. <i>Journal of Thrombosis and Thrombolysis</i> , 2020, 50, 632-639.	2.1	8
74	Longitudinal prevalence and determinants of pain in multiple sclerosis: results from the German National Multiple Sclerosis Cohort study. <i>Pain</i> , 2020, 161, 787-796.	4.2	29
75	Methods for analysis of brain connectivity: An IFCN-sponsored review. <i>Clinical Neurophysiology</i> , 2019, 130, 1833-1858.	1.5	106
76	Corticosteroid-responsive aseptic meningitis during regorafenib treatment. <i>Neuro-Oncology Practice</i> , 2019, 6, 508-509.	1.6	2
77	Pulsed Facilitation of Corticospinal Excitability by the Sensorimotor μ -Alpha Rhythm. <i>Journal of Neuroscience</i> , 2019, 39, 10034-10043.	3.6	72
78	Phase of sensorimotor μ -oscillation modulates cortical responses to transcranial magnetic stimulation of the human motor cortex. <i>Journal of Physiology</i> , 2019, 597, 5671-5686.	2.9	44
79	Recurrent ischaemic cerebrovascular events as presenting manifestations of myeloproliferative neoplasms. <i>European Journal of Neurology</i> , 2019, 26, 903-e64.	3.3	15
80	Brain State-dependent Brain Stimulation with Real-time Electroencephalography-Triggered Transcranial Magnetic Stimulation. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	17
81	Human immunodeficiency virus and multiple sclerosis: a review of the literature. <i>Neurological Research and Practice</i> , 2019, 1, 24.	2.0	9
82	Quantifying the effect of trans-spinal magnetic stimulation on spinal excitability. , 2019, , .		2
83	Inhibition in the somatosensory system: An integrative neuropharmacological and neuroimaging approach. <i>NeuroImage</i> , 2019, 202, 116139.	4.2	5
84	The motor band sign in ALS: presentations and frequencies in a consecutive series of ALS patients. <i>Journal of the Neurological Sciences</i> , 2019, 406, 116440.	0.6	25
85	Reproducibility in TMS-EEG studies: A call for data sharing, standard procedures and effective experimental control. <i>Brain Stimulation</i> , 2019, 12, 787-790.	1.6	106
86	Clinical utility and prospective of TMS-EEG. <i>Clinical Neurophysiology</i> , 2019, 130, 802-844.	1.5	276
87	Amyotrophic lateral sclerosis: Origins traced to impaired balance between neural excitation and inhibition in the neonatal period. <i>Muscle and Nerve</i> , 2019, 60, 232-235.	2.2	30
88	Longitudinal cortical network reorganization in early relapsing-remitting multiple sclerosis. <i>Therapeutic Advances in Neurological Disorders</i> , 2019, 12, 175628641983867.	3.5	26
89	Visuomotor task acquisition is reduced by priming paired associative stimulation in older adults. <i>Neurobiology of Aging</i> , 2019, 81, 67-76.	3.1	7
90	Median nerve dissection after brachial artery catheterization revealed by high-resolution ultrasound. <i>Clinical Neurophysiology</i> , 2019, 130, 1081-1082.	1.5	2

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91	Association of Intrathecal Immunoglobulin G Synthesis With Disability Worsening in Multiple Sclerosis. <i>JAMA Neurology</i> , 2019, 76, 841.	9.0	48
92	Pharmacophysiology of TMS-evoked EEG potentials: A mini-review. <i>Brain Stimulation</i> , 2019, 12, 829-831.	1.6	42
93	Neuroaesthetical Changes in Sculpture: The Case of Yannoulis Halepas (1851â€“1938). <i>European Neurology</i> , 2019, 82, 116-123.	1.4	1
94	Delirium Screening in Aphasic Patients With the Intensive Care Delirium Screening Checklist (ICDSC): A Prospective Cohort Study. <i>Frontiers in Neurology</i> , 2019, 10, 1198.	2.4	17
95	Seventy years of our journal. <i>Clinical Neurophysiology</i> , 2019, 130, 2255-2257.	1.5	1
96	Effects of continuous theta-burst stimulation of the primary motor and secondary somatosensory areas on the central processing and the perception of trigeminal nociceptive input in healthy volunteers. <i>Pain</i> , 2019, 160, 172-186.	4.2	11
97	Musical Sonification of Arm Movements in Stroke Rehabilitation Yields Limited Benefits. <i>Frontiers in Neuroscience</i> , 2019, 13, 1378.	2.8	24
98	Changes in motor cortical excitability in schizophrenia following transcranial direct current stimulation. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 90, 43-48.	4.8	8
99	Effects of antiepileptic drugs on cortical excitability in humans: A TMSâ€“EMG and TMSâ€“EEG study. <i>Human Brain Mapping</i> , 2019, 40, 1276-1289.	3.6	60
100	Sensorimotor Oscillatory Phaseâ€“Power Interaction Gates Resting Human Corticospinal Output. <i>Cerebral Cortex</i> , 2019, 29, 3766-3777.	2.9	59
101	EEG-triggered TMS reveals stronger brain state-dependent modulation of motor evoked potentials at weaker stimulation intensities. <i>Brain Stimulation</i> , 2019, 12, 110-118.	1.6	93
102	Role of EMG Rectification for Corticomuscular and Intermuscular Coherence Estimation of Spinocerebellar Ataxia Type 2 (SCA2). <i>Lecture Notes in Computer Science</i> , 2019, , 306-315.	1.3	4
103	Alpha-Synchronized Stimulation of the Dorsolateral Prefrontal Cortex (DLPFC) in Major Depression: A Proof-of-Principle EEG-TMS Study. <i>Biosystems and Biorobotics</i> , 2019, , 1080-1083.	0.3	0
104	Brain-State Dependent Stimulation in Human Motor Cortex for Plasticity Induction Using EEG-TMS. <i>Biosystems and Biorobotics</i> , 2019, , 1057-1060.	0.3	0
105	Progression of corticospinal tract dysfunction in pre-ataxic spinocerebellar ataxia type 2: A two-years follow-up TMS study. <i>Clinical Neurophysiology</i> , 2018, 129, 895-900.	1.5	16
106	Reply to â€œis it significant? Is it relevant?â€ <i>Clinical Neurophysiology</i> , 2018, 129, 887.	1.5	0
107	Recruitment of Additional Corticospinal Pathways in the Human Brain with State-Dependent Paired Associative Stimulation. <i>Journal of Neuroscience</i> , 2018, 38, 1396-1407.	3.6	36
108	The effects of a single dose of fluoxetine on practice-dependent plasticity. <i>Clinical Neurophysiology</i> , 2018, 129, 1349-1356.	1.5	6

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109	Short-interval and long-interval intracortical inhibition of TMS-evoked EEG potentials. <i>Brain Stimulation</i> , 2018, 11, 818-827.	1.6	43
110	Treatment choices and neuropsychological symptoms of a large cohort of early MS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2018, 5, e446.	6.0	54
111	Real-time EEG-defined excitability states determine efficacy of TMS-induced plasticity in human motor cortex. <i>Brain Stimulation</i> , 2018, 11, 374-389.	1.6	310
112	Histiocytic necrotising lymphadenitis identical to Kikuchi-Fujimoto disease in CNS lupus. <i>BMJ Case Reports</i> , 2018, 2018, bcr-2018-225668.	0.5	1
113	Limitations of Specific Coagulation Tests for Direct Oral Anticoagulants: A Critical Analysis. <i>Journal of the American Heart Association</i> , 2018, 7, e009807.	3.7	40
114	β -Rhythm Extracted With Personalized EEG Filters Correlates With Corticospinal Excitability in Real-Time Phase-Triggered EEG-TMS. <i>Frontiers in Neuroscience</i> , 2018, 12, 954.	2.8	46
115	Nil effects of β -rhythm phase-dependent burst-rTMS on cortical excitability in humans: A resting-state EEG and TMS-EEG study. <i>PLoS ONE</i> , 2018, 13, e0208747.	2.5	15
116	Phase Synchronicity of β -Rhythm Determines Efficacy of Interhemispheric Communication Between Human Motor Cortices. <i>Journal of Neuroscience</i> , 2018, 38, 10525-10534.	3.6	49
117	Apheresis therapies for NMOSD attacks. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2018, 5, e504.	6.0	173
118	Event-related desynchronization during movement attempt and execution in severely paralyzed stroke patients: An artifact removal relevance analysis. <i>NeuroImage: Clinical</i> , 2018, 20, 972-986.	2.7	30
119	Intraspinal intradural nodular fasciitis mimicking glioblastoma metastasis: a case report. <i>Folia Neuropathologica</i> , 2018, 56, 75-79.	1.2	2
120	Low-Frequency and Rare-Coding Variation Contributes to Multiple Sclerosis Risk. <i>Cell</i> , 2018, 175, 1679-1687.e7.	28.9	115
121	Cardiac Myxoma and Cerebrovascular Events: A Retrospective Cohort Study. <i>Frontiers in Neurology</i> , 2018, 9, 823.	2.4	41
122	Fourth European stroke science workshop. <i>European Stroke Journal</i> , 2018, 3, 206-219.	5.5	1
123	Intravenous thrombolysis in acute central retinal artery occlusion – A prospective interventional case series. <i>PLoS ONE</i> , 2018, 13, e0198114.	2.5	49
124	Sensorimotor mu-alpha power is positively related to corticospinal excitability. <i>Brain Stimulation</i> , 2018, 11, 1119-1122.	1.6	55
125	Reduced Performance During a Sentence Repetition Task by Continuous Theta-Burst Magnetic Stimulation of the Pre-supplementary Motor Area. <i>Frontiers in Neuroscience</i> , 2018, 12, 361.	2.8	5
126	Cortical Excitability and Interhemispheric Connectivity in Early Relapsing/Remitting Multiple Sclerosis Studied With TMS-EEG. <i>Frontiers in Neuroscience</i> , 2018, 12, 393.	2.8	28

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127	Management of Embolic Stroke of Undetermined Source (ESUS). <i>Drugs</i> , 2018, 78, 823-831.	10.9	18
128	Comparison of cortical EEG responses to realistic sham versus real TMS of human motor cortex. <i>Brain Stimulation</i> , 2018, 11, 1322-1330.	1.6	89
129	Extended enhancement of corticospinal connectivity with concurrent cortical and peripheral stimulation controlled by sensorimotor desynchronization. <i>Brain Stimulation</i> , 2018, 11, 1331-1335.	1.6	15
130	Transcranial magnetic stimulation in hereditary ataxias: Diagnostic utility, pathophysiological insight and treatment. <i>Clinical Neurophysiology</i> , 2018, 129, 1688-1698.	1.5	22
131	Modulation of cortical responses by transcranial direct current stimulation of dorsolateral prefrontal cortex: A resting-state EEG and TMS-EEG study. <i>Brain Stimulation</i> , 2018, 11, 1024-1032.	1.6	48
132	Multi-parametric quantitative MRI of normal appearing white matter in multiple sclerosis, and the effect of disease activity on T2. <i>Brain Imaging and Behavior</i> , 2017, 11, 744-753.	2.1	32
133	Thirty years of transcranial magnetic stimulation: where do we stand?. <i>Experimental Brain Research</i> , 2017, 235, 973-984.	1.5	59
134	Priming theta burst stimulation enhances motor cortex plasticity in young but not old adults. <i>Brain Stimulation</i> , 2017, 10, 298-304.	1.6	69
135	Guiding transcranial brain stimulation by EEG/MEG to interact with ongoing brain activity and associated functions: A position paper. <i>Clinical Neurophysiology</i> , 2017, 128, 843-857.	1.5	211
136	Effects of tDCS on motor learning and memory formation: A consensus and critical position paper. <i>Clinical Neurophysiology</i> , 2017, 128, 589-603.	1.5	275
137	Point-of-care testing for emergency assessment of coagulation in patients treated with direct oral anticoagulants. <i>Critical Care</i> , 2017, 21, 32.	5.8	58
138	Thromboembolic Risk Reduction Via Transseptal Thrombus Aspiration in a Patient With Spontaneous Left Atrial Thrombus and Stroke. <i>JACC: Cardiovascular Interventions</i> , 2017, 10, e57-e59.	2.9	3
139	Assessment and modulation of cortical inhibition using transcranial magnetic stimulation. <i>E-Neuroforum</i> , 2017, 23, .	0.1	4
140	Low intensity transcranial electric stimulation: Safety, ethical, legal regulatory and application guidelines. <i>Clinical Neurophysiology</i> , 2017, 128, 1774-1809.	1.5	783
141	Immunotherapies in neuromyelitis optica spectrum disorder: efficacy and predictors of response. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2017, 88, 639-647.	1.9	123
142	Modulating motor cortical neuroplasticity with priming paired associative stimulation in young and old adults. <i>Clinical Neurophysiology</i> , 2017, 128, 763-769.	1.5	24
143	Untersuchung und Modulation kortikaler Inhibition mittels transkranieller Magnetstimulation. <i>E-Neuroforum</i> , 2017, 23, .	0.1	0
144	Plasticity induced by non-invasive transcranial brain stimulation: A position paper. <i>Clinical Neurophysiology</i> , 2017, 128, 2318-2329.	1.5	276

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145	Early corticospinal tract damage in prodromal SCA2 revealed by EEG-EMG and EMG-EMG coherence. Clinical Neurophysiology, 2017, 128, 2493-2502.	1.5	29
146	The impact of GABAergic drugs on TMS-induced brain oscillations in human motor cortex. Neurolmage, 2017, 163, 1-12.	4.2	73
147	The associative brain at work: Evidence from paired associative stimulation studies in humans. Clinical Neurophysiology, 2017, 128, 2140-2164.	1.5	120
148	Statistical data analyses for clinical neurophysiology. Clinical Neurophysiology, 2017, 128, 1837-1838.	1.5	6
149	Polarity-independent effects of tDCS on paired associative stimulation-induced plasticity. Brain Stimulation, 2017, 10, 1061-1069.	1.6	5
150	Emergency Coagulation Assessment During Treatment With Direct Oral Anticoagulants. Stroke, 2017, 48, 2457-2463.	2.0	40
151	First virtual special issue (VSI) in Clinical Neurophysiology: A novel way of enhancing accessibility and visibility of published research. Clinical Neurophysiology, 2017, 128, 2527.	1.5	0
152	Motor cortex excitability in seizure-free STX1B mutation carriers with a history of epilepsy and febrile seizures. Clinical Neurophysiology, 2017, 128, 2503-2509.	1.5	6
153	Evidence-based guidelines on the therapeutic use of transcranial direct current stimulation (tDCS). Clinical Neurophysiology, 2017, 128, 56-92.	1.5	1,213
154	Influence of female sex and fertile age on neuromyelitis optica spectrum disorders. Multiple Sclerosis Journal, 2017, 23, 1092-1103.	3.0	60
155	Giant nerves in chronic inflammatory polyradiculoneuropathy. Muscle and Nerve, 2017, 55, 285-289.	2.2	21
156	Corticomuscular Coherence: a Novel Tool to Assess the Pyramidal Tract Dysfunction in Spinocerebellar Ataxia Type 2. Cerebellum, 2017, 16, 602-606.	2.5	21
157	Apixaban for treatment of embolic stroke of undetermined source (ATTICUS randomized trial): Rationale and study design. International Journal of Stroke, 2017, 12, 985-990.	5.9	147
158	Diagnostic Accuracy of a Novel Chromogenic Direct Thrombin Inhibitor Assay: Clinical Experiences for Dabigatran Monitoring. Thrombosis and Haemostasis, 2017, 117, 2369-2375.	3.4	11
159	Lifting the veil on the dynamics of neuronal activities evoked by transcranial magnetic stimulation. ELife, 2017, 6, .	6.0	51
160	Impaired Cerebellum to Primary Motor Cortex Associative Plasticity in Parkinson's Disease and Spinocerebellar Ataxia Type 3. Frontiers in Neurology, 2017, 8, 445.	2.4	22
161	A Data-Driven Approach to Responder Subgroup Identification after Paired Continuous Theta Burst Stimulation. Frontiers in Human Neuroscience, 2017, 11, 382.	2.0	13
162	The spectral features of EEG responses to transcranial magnetic stimulation of the primary motor cortex depend on the amplitude of the motor evoked potentials. PLoS ONE, 2017, 12, e0184910.	2.5	104

#	ARTICLE	IF	CITATIONS
163	Das Hertie-Institut für Klinische Hirnforschung. Ein Modell zukünftiger Universitätsmedizin?. E-Neuroforum, 2016, 22, 27-29.	0.1	0
164	Closed-Loop Neuroscience and Non-Invasive Brain Stimulation: A Tale of Two Loops. Frontiers in Cellular Neuroscience, 2016, 10, 92.	3.7	151
165	Investigation of Motor Cortical Plasticity and Corticospinal Tract Diffusion Tensor Imaging in Patients with Parkinsons Disease and Essential Tremor. PLoS ONE, 2016, 11, e0162265.	2.5	24
166	Insertable cardiac monitors after cryptogenic stroke – a risk factor based approach to enhance the detection rate for paroxysmal atrial fibrillation. European Journal of Neurology, 2016, 23, 375-381.	3.3	89
167	Spinocerebellar ataxia type 2: Measures of saccade changes improve power for clinical trials. Movement Disorders, 2016, 31, 570-578.	3.9	39
168	Central motor conduction time as prodromal biomarker in spinocerebellar ataxia type 2. Movement Disorders, 2016, 31, 603-604.	3.9	18
169	MR spectroscopy for in vivo assessment of the oncometabolite 2-hydroxyglutarate and its effects on cellular metabolism in human brain gliomas at 9.4T. Journal of Magnetic Resonance Imaging, 2016, 44, 823-833.	3.4	36
170	Effects of the Selective 5-GABAAR Antagonist S44819 on Excitability in the Human Brain: A TMS-EEG Phase I Study. Journal of Neuroscience, 2016, 36, 12312-12320.	3.6	85
171	Reinforcement learning of self-regulated sensorimotor 2-oscillations improves motor performance. NeuroImage, 2016, 134, 142-152.	4.2	66
172	Thickening of the peripheral nerves in metachromatic leukodystrophy. Journal of the Neurological Sciences, 2016, 368, 399-401.	0.6	12
173	TEMPORARY REMOVAL: Priming theta burst stimulation enhances motor cortex plasticity in young but not old adults. Brain Stimulation, 2016, , .	1.6	0
174	Novel multiple sclerosis susceptibility loci implicated in epigenetic regulation. Science Advances, 2016, 2, e1501678.	10.3	133
175	Abnormal corticospinal tract function and motor cortex excitability in non-ataxic SCA2 mutation carriers: A TMS study. Clinical Neurophysiology, 2016, 127, 2713-2719.	1.5	27
176	Neuromyelitis optica: Evaluation of 871 attacks and 1,153 treatment courses. Annals of Neurology, 2016, 79, 206-216.	5.3	315
177	Changes in brain functional connectivity patterns are driven by an individual lesion in MS: a resting-state fMRI study. Brain Imaging and Behavior, 2016, 10, 1117-1126.	2.1	39
178	Clinical Neurophysiology – From present to future. Clinical Neurophysiology, 2016, 127, 1-2.	1.5	6
179	Brain State-Dependent Transcranial Magnetic Closed-Loop Stimulation Controlled by Sensorimotor Desynchronization Induces Robust Increase of Corticospinal Excitability. Brain Stimulation, 2016, 9, 415-424.	1.6	91
180	Ten Years of Theta Burst Stimulation in Humans: Established Knowledge, Unknowns and Prospects. Brain Stimulation, 2016, 9, 323-335.	1.6	397

#	ARTICLE	IF	CITATIONS
181	Repetitive magnetic stimulation induces plasticity of inhibitory synapses. Nature Communications, 2016, 7, 10020.	12.8	151
182	Safety and Clinical Outcomes of Rituximab Treatment in Patients with Multiple Sclerosis and Neuromyelitis Optica: Experience from a National Online Registry (GRAID). Journal of Neuroimmune Pharmacology, 2016, 11, 1-8.	4.1	33
183	Brainâ€“robot interface driven plasticity: Distributed modulation of corticospinal excitability. NeuroImage, 2016, 125, 522-532.	4.2	67
184	Callosal anatomical and effective connectivity between primary motor cortices predicts visually cued bimanual temporal coordination performance. Brain Structure and Function, 2016, 221, 3427-3443.	2.3	23
185	Neuromuscular correlates of subthalamic stimulation and upper limb freezing in Parkinsonâ€™s disease. Clinical Neurophysiology, 2016, 127, 610-620.	1.5	21
186	Interdisciplinary management of central nervous system metastasis and neoplastic meningitis: recent developments and future perspectives. Journal of Cancer Metastasis and Treatment, 2016, 2, 163.	0.8	0
187	Modeling TMS-induced I-waves in human motor cortex. Progress in Brain Research, 2015, 222, 105-124.	1.4	21
188	Successful Replication of GWAS Hits for Multiple Sclerosis in 10,000 Germans Using the Exome Array. Genetic Epidemiology, 2015, 39, 601-608.	1.3	15
189	Augmenting LTP-Like Plasticity in Human Motor Cortex by Spaced Paired Associative Stimulation. PLoS ONE, 2015, 10, e0131020.	2.5	30
190	Inter-subject and Inter-session Variability of Plasticity Induction by Non-invasive Brain Stimulation: Boon or Bane?. Brain Stimulation, 2015, 8, 662-663.	1.6	100
191	Low Doses of Ethanol Enhance LTD-like Plasticity in Human Motor Cortex. Neuropsychopharmacology, 2015, 40, 2969-2980.	5.4	14
192	Consensus Paper: Probing Homeostatic Plasticity of Human Cortex With Non-invasive Transcranial Brain Stimulation. Brain Stimulation, 2015, 8, 442-454.	1.6	138
193	Consensus Paper: Probing Homeostatic Plasticity of Human Cortex With Non-invasive Transcranial Brain Stimulation. Brain Stimulation, 2015, 8, 993-1006.	1.6	103
194	Resistant Against De-depression: LTD-Like Plasticity in the Human Motor Cortex Induced by Spaced cTBS. Cerebral Cortex, 2015, 25, 1724-1734.	2.9	61
195	Non-invasive electrical and magnetic stimulation of the brain, spinal cord, roots and peripheral nerves: Basic principles and procedures for routine clinical and research application. An updated report from an I.F.C.N. Committee. Clinical Neurophysiology, 2015, 126, 1071-1107.	1.5	1,957
196	Left Dorsal Speech Stream Components and Their Contribution to Phonological Processing. Journal of Neuroscience, 2015, 35, 1411-1422.	3.6	57
197	Brain-state dependent brain stimulation: Real-time EEG alpha band analysis using sliding window FFT phase progression extrapolation to trigger an alpha phase locked TMS pulse with 1 millisecond accuracy. Brain Stimulation, 2015, 8, 378-379.	1.6	3
198	Bridging the gap between motor imagery and motor execution with a brainâ€“robot interface. NeuroImage, 2015, 108, 319-327.	4.2	81

#	ARTICLE	IF	CITATIONS
199	Resetting tremor by single and paired transcranial magnetic stimulation in Parkinson's disease and essential tremor. <i>Clinical Neurophysiology</i> , 2015, 126, 2330-2336.	1.5	20
200	Point-of-Care Testing of Coagulation in Patients Treated With Non-Vitamin K Antagonist Oral Anticoagulants. <i>Stroke</i> , 2015, 46, 2741-2747.	2.0	62
201	TMS and drugs revisited 2014. <i>Clinical Neurophysiology</i> , 2015, 126, 1847-1868.	1.5	498
202	Metaplasticity in Human Cortex. <i>Neuroscientist</i> , 2015, 21, 185-202.	3.5	181
203	Repetitive magnetic stimulation induces plasticity of excitatory postsynapses on proximal dendrites of cultured mouse CA1 pyramidal neurons. <i>Brain Structure and Function</i> , 2015, 220, 3323-3337.	2.3	87
204	Deleterious Effects of a Low Amount of Ethanol on LTP-Like Plasticity in Human Cortex. <i>Neuropsychopharmacology</i> , 2014, 39, 1508-1518.	5.4	30
205	Inter-subject Variability of LTD-like Plasticity in Human Motor Cortex: A Matter of Preceding Motor Activation. <i>Brain Stimulation</i> , 2014, 7, 864-870.	1.6	86
206	Non-invasive Cerebellar Stimulation – a Consensus Paper. <i>Cerebellum</i> , 2014, 13, 121-138.	2.5	243
207	Acute effects of lithium on excitability of human motor cortex. <i>Clinical Neurophysiology</i> , 2014, 125, 2240-2246.	1.5	5
208	Analysis of periinterventional complications of intracranial angioplasty and stenting: A single center experience. <i>European Journal of Radiology</i> , 2014, 83, 2190-2195.	2.6	4
209	Modulation of brain plasticity in stroke: a novel model for neurorehabilitation. <i>Nature Reviews Neurology</i> , 2014, 10, 597-608.	10.1	644
210	Characterization of GABAB-receptor mediated neurotransmission in the human cortex by paired-pulse TMS-EEG. <i>NeuroImage</i> , 2014, 103, 152-162.	4.2	123
211	Two Distinct Interneuron Circuits in Human Motor Cortex Are Linked to Different Subsets of Physiological and Behavioral Plasticity. <i>Journal of Neuroscience</i> , 2014, 34, 12837-12849.	3.6	122
212	In Cold Blood: Intraarterial Cold Infusions for Selective Brain Cooling in Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 743-752.	4.3	51
213	What is the threshold for developing and applying optimized procedures to determine the corticomotor threshold?. <i>Clinical Neurophysiology</i> , 2014, 125, 1-2.	1.5	31
214	TMS-EEG Signatures of GABAergic Neurotransmission in the Human Cortex. <i>Journal of Neuroscience</i> , 2014, 34, 5603-5612.	3.6	282
215	A Model of TMS-induced I-waves in Motor Cortex. <i>Brain Stimulation</i> , 2014, 7, 401-414.	1.6	111
216	Evidence-based guidelines on the therapeutic use of repetitive transcranial magnetic stimulation (rTMS). <i>Clinical Neurophysiology</i> , 2014, 125, 2150-2206.	1.5	1,647

#	ARTICLE	IF	CITATIONS
217	Working memory performance of early MS patients correlates inversely with modularity increases in resting state functional connectivity networks. <i>NeuroImage</i> , 2014, 94, 385-395.	4.2	106
218	Coupling brain-machine interfaces with cortical stimulation for brain-state dependent stimulation: enhancing motor cortex excitability for neurorehabilitation. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 122.	2.0	108
219	Pharmaco-transcranial magnetic stimulation studies of motor excitability. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2013, 116, 387-397.	1.8	81
220	Relation of Brain Stimulation Induced Changes in MEP Amplitude and BOLD Signal. <i>Brain Stimulation</i> , 2013, 6, 330-339.	1.6	7
221	Transcranial magnetic stimulation and amyotrophic lateral sclerosis: pathophysiological insights. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013, 84, 1161-1170.	1.9	213
222	Within-lesion differences in quantitative MRI parameters predict contrast enhancement in multiple sclerosis. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 1454-1461.	3.4	37
223	Effects of lamotrigine on human motor cortex plasticity. <i>Clinical Neurophysiology</i> , 2013, 124, 148-153.	1.5	12
224	Utility of TMS to understand the neurobiology of speech. <i>Frontiers in Psychology</i> , 2013, 4, 446.	2.1	16
225	The contribution of transcranial magnetic stimulation in the functional evaluation of microcircuits in human motor cortex. <i>Frontiers in Neural Circuits</i> , 2013, 7, 18.	2.8	194
226	Ceramide Synthase 6 Plays a Critical Role in the Development of Experimental Autoimmune Encephalomyelitis. <i>Journal of Immunology</i> , 2012, 188, 5723-5733.	0.8	47
227	Spatiotemporal Dynamics of Bimanual Integration in Human Somatosensory Cortex and Their Relevance to Bimanual Object Manipulation. <i>Journal of Neuroscience</i> , 2012, 32, 5667-5677.	3.6	28
228	The pharmacology of neuroplasticity induced by non-invasive brain stimulation: building models for the clinical use of CNS active drugs. <i>Journal of Physiology</i> , 2012, 590, 4641-4662.	2.9	157
229	Repetitive Magnetic Stimulation Induces Functional and Structural Plasticity of Excitatory Postsynapses in Mouse Organotypic Hippocampal Slice Cultures. <i>Journal of Neuroscience</i> , 2012, 32, 17514-17523.	3.6	189
230	Cortical inhibition in attention deficit hyperactivity disorder: new insights from the electroencephalographic response to transcranial magnetic stimulation. <i>Brain</i> , 2012, 135, 2215-2230.	7.6	76
231	Lithium: A switch from LTD- to LTP-like plasticity in human cortex. <i>Neuropharmacology</i> , 2012, 63, 274-279.	4.1	41
232	A practical guide to diagnostic transcranial magnetic stimulation: Report of an IFCN committee. <i>Clinical Neurophysiology</i> , 2012, 123, 858-882.	1.5	944
233	A checklist for assessing the methodological quality of studies using transcranial magnetic stimulation to study the motor system: An international consensus study. <i>Clinical Neurophysiology</i> , 2012, 123, 1698-1704.	1.5	196
234	Homeostatic metaplasticity of corticospinal excitatory and intracortical inhibitory neural circuits in human motor cortex. <i>Journal of Physiology</i> , 2012, 590, 5765-5781.	2.9	117

#	ARTICLE	IF	CITATIONS
235	Effective connectivity hierarchically links temporoparietal and frontal areas of the auditory dorsal stream with the motor cortex lip area during speech perception. <i>Brain and Language</i> , 2012, 122, 135-141.	1.6	20
236	The relationship between TMS measures of functional properties and DTI measures of microstructure of the corticospinal tract. <i>Brain Stimulation</i> , 2012, 5, 297-304.	1.6	31
237	Plasticity of motor threshold and motor-evoked potential amplitude – A model of intrinsic and synaptic plasticity in human motor cortex?. <i>Brain Stimulation</i> , 2012, 5, 586-593.	1.6	53
238	Quantitative proton density mapping: correcting the receiver sensitivity bias via pseudo proton densities. <i>NeuroImage</i> , 2012, 63, 540-552.	4.2	59
239	Monitoring Cortical Excitability during Repetitive Transcranial Magnetic Stimulation in Children with ADHD: A Single-Blind, Sham-Controlled TMS-EEG Study. <i>PLoS ONE</i> , 2012, 7, e50073.	2.5	41
240	Cerebellum to motor cortex paired associative stimulation induces bidirectional STDP-like plasticity in human motor cortex. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 260.	2.0	55
241	Movement related cortical potentials of cued versus self-initiated movements: Double dissociated modulation by dorsal premotor cortex versus supplementary motor area rTMS. <i>Human Brain Mapping</i> , 2012, 33, 824-839.	3.6	69
242	Effective connectivity between human supplementary motor area and primary motor cortex: a paired-coil TMS study. <i>Experimental Brain Research</i> , 2012, 220, 79-87.	1.5	85
243	CCSVI: Is Blinding the Key?. <i>European Journal of Vascular and Endovascular Surgery</i> , 2012, 43, 124-125.	1.5	5
244	Dysbalance of cortical inhibition and excitation in abstinent cocaine-dependent patients. <i>Journal of Psychiatric Research</i> , 2012, 46, 248-255.	3.1	23
245	Facilitation of speech repetition accuracy by theta burst stimulation of the left posterior inferior frontal gyrus. <i>Neuropsychologia</i> , 2012, 50, 2026-2031.	1.6	41
246	Prolongation of central motor conduction time by neck extension in compressive cervical myelopathy. <i>Clinical Neurophysiology</i> , 2011, 122, 1891-1893.	1.5	3
247	Development of biomarkers for multiple sclerosis as a neurodegenerative disorder. <i>Progress in Neurobiology</i> , 2011, 95, 670-685.	5.7	47
248	Inhibitory and Disinhibitory Effects on I-Wave Facilitation in Motor Cortex. <i>Journal of Neurophysiology</i> , 2011, 105, 100-106.	1.8	30
249	Modulation of excitability in human primary somatosensory and motor cortex by paired associative stimulation targeting the primary somatosensory cortex. <i>European Journal of Neuroscience</i> , 2011, 34, 1292-1300.	2.6	15
250	Neuromodulatory Neurotransmitters Influence LTP-Like Plasticity in Human Cortex: A Pharmacology-TMS Study. <i>Neuropsychopharmacology</i> , 2011, 36, 1894-1902.	5.4	74
251	Observation-execution matching and action inhibition in human primary motor cortex during viewing of speech-related lip movements or listening to speech. <i>Neuropsychologia</i> , 2011, 49, 2045-2054.	1.6	48
252	Triple-pulse TMS to study interactions between neural circuits in human cortex. <i>Brain Stimulation</i> , 2011, 4, 281-293.	1.6	52

#	ARTICLE	IF	CITATIONS
253	Long-term outcome in patients treated for benign dural arteriovenous fistulas of the posterior fossa. <i>Neuroradiology</i> , 2011, 53, 493-500.	2.2	9
254	Combined ¹ H and ³¹ P spectroscopy provides new insights into the pathobiochemistry of brain damage in multiple sclerosis. <i>NMR in Biomedicine</i> , 2011, 24, 536-546.	2.8	61
255	Motor callosal disconnection in early relapsing–remitting multiple sclerosis. <i>Human Brain Mapping</i> , 2011, 32, 846-855.	3.6	44
256	Transcranial Magnetic Stimulation at the Interface with Other Techniques. <i>Neuroscientist</i> , 2011, 17, 368-381.	3.5	64
257	Paraneoplastic cerebellar degeneration mimicking development of secondary progressive multiple sclerosis in a patient with relapsing–remitting multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2011, 17, 498-500.	3.0	0
258	Deficient Homeostatic Regulation of Practice-Dependent Plasticity in Writer’s Cramp. <i>Cerebral Cortex</i> , 2011, 21, 1203-1212.	2.9	72
259	State-Dependent and Timing-Dependent Bidirectional Associative Plasticity in the Human SMA-M1 Network. <i>Journal of Neuroscience</i> , 2011, 31, 15376-15383.	3.6	114
260	Intraoperative Motor Evoked Potential Alteration in Intracranial Tumor Surgery and Its Relation to Signal Alteration in Postoperative Magnetic Resonance Imaging. <i>Neurosurgery</i> , 2010, 67, 302-313.	1.1	105
261	Late Cortical Disinhibition in Human Motor Cortex: A Triple-Pulse Transcranial Magnetic Stimulation Study. <i>Journal of Neurophysiology</i> , 2010, 103, 511-518.	1.8	77
262	Localization of thoracic CSF leaks by gadolinium-enhanced MR-myelography and successful MR-targeted epidural blood patching: a case report. <i>Journal of Neurology</i> , 2010, 257, 1398-1399.	3.6	4
263	Determinants of the induction of cortical plasticity by non–invasive brain stimulation in healthy subjects. <i>Journal of Physiology</i> , 2010, 588, 2291-2304.	2.9	665
264	Effects of antiepileptic drugs on associative LTP–like plasticity in human motor cortex. <i>European Journal of Neuroscience</i> , 2010, 32, 1215-1222.	2.6	47
265	Plasticity resembling spike-timing dependent synaptic plasticity: the evidence in human cortex. <i>Frontiers in Synaptic Neuroscience</i> , 2010, 2, 34.	2.5	94
266	TMS in cognitive neuroscience: Virtual lesion and beyond. <i>Cortex</i> , 2010, 46, 124-127.	2.4	48
267	The effects of motor cortex rTMS on corticospinal descending activity. <i>Clinical Neurophysiology</i> , 2010, 121, 464-473.	1.5	115
268	The Bereitschaftspotential in essential tremor. <i>Clinical Neurophysiology</i> , 2010, 121, 622-630.	1.5	10
269	Homeostatic and Nonhomeostatic Modulation of Learning in Human Motor Cortex. <i>Journal of Neuroscience</i> , 2009, 29, 5597-5604.	3.6	168
270	Consensus paper: Combining transcranial stimulation with neuroimaging. <i>Brain Stimulation</i> , 2009, 2, 58-80.	1.6	299

#	ARTICLE	IF	CITATIONS
271	Modulation of preparatory volitional motor cortical activity by paired associative transcranial magnetic stimulation. <i>Human Brain Mapping</i> , 2009, 30, 3645-3656.	3.6	11
272	Modulation of interhemispheric inhibition by volitional motor activity: an ipsilateral silent period study. <i>Journal of Physiology</i> , 2009, 587, 5393-5410.	2.9	130
273	Interactions between short-interval intracortical inhibition and short-latency afferent inhibition in human motor cortex. <i>Journal of Physiology</i> , 2009, 587, 5163-5176.	2.9	55
274	Saccade velocity is reduced in presymptomatic spinocerebellar ataxia type 2. <i>Clinical Neurophysiology</i> , 2009, 120, 632-635.	1.5	80
275	Hysteresis effects on the input-output curve of motor evoked potentials. <i>Clinical Neurophysiology</i> , 2009, 120, 1003-1008.	1.5	105
276	Interindividual variability and age-dependency of motor cortical plasticity induced by paired associative stimulation. <i>Experimental Brain Research</i> , 2008, 187, 467-475.	1.5	325
277	Inhibitory circuits and the nature of their interactions in the human motor cortex - a pharmacological TMS study. <i>Journal of Physiology</i> , 2008, 586, 495-514.	2.9	190
278	Interhemispheric motor inhibition: its role in controlling electromyographic mirror activity. <i>European Journal of Neuroscience</i> , 2008, 28, 364-371.	2.6	97
279	Modifying motor learning through gating and homeostatic metaplasticity. <i>Brain Stimulation</i> , 2008, 1, 60-66.	1.6	230
280	State of the art: Pharmacologic effects on cortical excitability measures tested by transcranial magnetic stimulation. <i>Brain Stimulation</i> , 2008, 1, 151-163.	1.6	342
281	Consensus: Motor cortex plasticity protocols. <i>Brain Stimulation</i> , 2008, 1, 164-182.	1.6	529
282	State of the art: Physiology of transcranial motor cortex stimulation. <i>Brain Stimulation</i> , 2008, 1, 345-362.	1.6	302
283	Consensus: Can transcranial direct current stimulation and transcranial magnetic stimulation enhance motor learning and memory formation?. <i>Brain Stimulation</i> , 2008, 1, 363-369.	1.6	225
284	Deafferentation of neighbouring motor cortex areas does not further enhance saturated practice-dependent plasticity in healthy adults. <i>Clinical Neurophysiology</i> , 2008, 119, 886-891.	1.5	6
285	Movement-related cortical potentials in patients with Machado-Joseph disease. <i>Clinical Neurophysiology</i> , 2008, 119, 1010-1019.	1.5	11
286	Interference of short-interval intracortical inhibition (SICI) and short-interval intracortical facilitation (SICF). <i>Clinical Neurophysiology</i> , 2008, 119, 2291-2297.	1.5	253
287	The clinical diagnostic utility of transcranial magnetic stimulation: Report of an IFCN committee. <i>Clinical Neurophysiology</i> , 2008, 119, 504-532.	1.5	547
288	Neurophysiology of unimanual motor control and mirror movements. <i>Clinical Neurophysiology</i> , 2008, 119, 744-762.	1.5	188

#	ARTICLE	IF	CITATIONS
289	The Human Motor Corpus Callosum. <i>Reviews in the Neurosciences</i> , 2008, 19, 451-66.	2.9	33
290	Multimodal evoked potentials measure and predict disability progression in early relapsing—remitting multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2008, 14, 553-556.	3.0	66
291	Homeostatic Metaplasticity in the Human Somatosensory Cortex. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 1517-1528.	2.3	39
292	Functional Connectivity Between Secondary and Primary Motor Areas Underlying Hand—Foot Coordination. <i>Journal of Neurophysiology</i> , 2007, 98, 414-422.	1.8	82
293	Human Motor Corpus Callosum: Topography, Somatotopy, and Link between Microstructure and Function. <i>Journal of Neuroscience</i> , 2007, 27, 12132-12138.	3.6	375
294	Cortical inhibition and excitation in abstinent cocaine-dependent patients: a transcranial magnetic stimulation study. <i>NeuroReport</i> , 2007, 18, 289-292.	1.2	38
295	Segregating two inhibitory circuits in human motor cortex at the level of GABAA receptor subtypes: A TMS study. <i>Clinical Neurophysiology</i> , 2007, 118, 2207-2214.	1.5	200
296	Homeostatic plasticity in human motor cortex demonstrated by two consecutive sessions of paired associative stimulation. <i>European Journal of Neuroscience</i> , 2007, 25, 3461-3468.	2.6	151
297	Ischemic-type posterior inferior cerebellar artery dissection ? a case report. <i>European Journal of Neurology</i> , 2007, 14, e36-e36.	3.3	3
298	Suppression of LTP-like plasticity in human motor cortex by the GABAB receptor agonist baclofen. <i>Experimental Brain Research</i> , 2007, 180, 181-186.	1.5	114
299	TMS-assisted neurophysiological profiling of the dopamine receptor agonist cabergoline in human motor cortex. <i>Journal of Neural Transmission</i> , 2007, 114, 223-229.	2.8	31
300	Ipsilateral silent period: A marker of callosal conduction abnormality in early relapsing—remitting multiple sclerosis?. <i>Journal of the Neurological Sciences</i> , 2006, 250, 133-139.	0.6	42
301	GABAAreceptor subtype specific enhancement of inhibition in human motor cortex. <i>Journal of Physiology</i> , 2006, 575, 721-726.	2.9	185
302	Physiology of modulation of motor cortex excitability by low-frequency suprathreshold repetitive transcranial magnetic stimulation. <i>Experimental Brain Research</i> , 2006, 171, 26-34.	1.5	61
303	The role of GABAB receptors in intracortical inhibition in the human motor cortex. <i>Experimental Brain Research</i> , 2006, 173, 86-93.	1.5	472
304	Extensive training of elementary finger tapping movements changes the pattern of motor cortex excitability. <i>Experimental Brain Research</i> , 2006, 174, 199-209.	1.5	113
305	Role of the right dorsal premotor cortex in “physiological”-mirror EMG activity. <i>Experimental Brain Research</i> , 2006, 175, 633-640.	1.5	35
306	Chapter 3 Long-term potentiation (LTP)-like plasticity and learning in human motor cortex “ investigations with transcranial magnetic stimulation (TMS). <i>Supplements To Clinical Neurophysiology</i> , 2006, 59, 19-25.	2.1	32

#	ARTICLE	IF	CITATIONS
307	Brain Stem Infarction Caused by Proximal Internal Carotid Artery Stenosis in a Patient with a Persisting Primitive Trigeminal Artery. <i>Cerebrovascular Diseases</i> , 2006, 22, 200-202.	1.7	14
308	Modification of Practice-dependent Plasticity in Human Motor Cortex by Neuromodulators. <i>Cerebral Cortex</i> , 2006, 16, 1106-1115.	2.9	104
309	Pharmacological Modulation of Plasticity in the Human Motor Cortex. <i>Neurorehabilitation and Neural Repair</i> , 2006, 20, 243-251.	2.9	78
310	Saccade Velocity as a Surrogate Disease Marker in Spinocerebellar Ataxia Type 2. <i>Annals of the New York Academy of Sciences</i> , 2005, 1039, 524-527.	3.8	20
311	Exploring Motor Cortical Plasticity Using Transcranial Magnetic Stimulation in Humans. <i>Annals of the New York Academy of Sciences</i> , 2005, 1048, 175-184.	3.8	16
312	Dissociated effects of diazepam and lorazepam on short-latency afferent inhibition. <i>Journal of Physiology</i> , 2005, 569, 315-323.	2.9	162
313	Reply from Vincenzo Di Lazzaro, Fabio Pilato, Michele Dileone, Pietro A. Tonali and Ulf Ziemann. <i>Journal of Physiology</i> , 2005, 569, 710-710.	2.9	0
314	Improving disability in stroke with RTMS. <i>Lancet Neurology</i> , The, 2005, 4, 454-455.	10.2	50
315	Modification of motor cortical excitability by an acetylcholinesterase inhibitor. <i>Experimental Brain Research</i> , 2005, 164, 399-405.	1.5	28
316	The ipsilateral silent period in boys with attention-deficit/hyperactivity disorder. <i>Clinical Neurophysiology</i> , 2005, 116, 1889-1896.	1.5	47
317	Physical interactions between induced electrical fields can have substantial effects on neuronal excitation during simultaneous TMS of two brain areas. <i>Clinical Neurophysiology</i> , 2005, 116, 1733-1742.	1.5	10
318	TMS Induced Plasticity in Human Cortex. <i>Reviews in the Neurosciences</i> , 2004, 15, 253-66.	2.9	163
319	Cortico-motoneuronal excitation of three hand muscles determined by a novel penta-stimulation technique. <i>Brain</i> , 2004, 127, 1887-1898.	7.6	21
320	Chapter 74 LTP-like plasticity in human motor cortex. <i>Supplements To Clinical Neurophysiology</i> , 2004, 57, 702-707.	2.1	27
321	Slowing fastest finger movements of the dominant hand with low-frequency rTMS of the hand area of the primary motor cortex. <i>Experimental Brain Research</i> , 2004, 155, 196-203.	1.5	80
322	Saccade velocity is controlled by polyglutamine size in spinocerebellar ataxia 2. <i>Annals of Neurology</i> , 2004, 56, 444-447.	5.3	88
323	Learning Modifies Subsequent Induction of Long-Term Potentiation-Like and Long-Term Depression-Like Plasticity in Human Motor Cortex. <i>Journal of Neuroscience</i> , 2004, 24, 1666-1672.	3.6	519
324	Estimated magnitude and interactions of cortico-motoneuronal and Ia afferent input to spinal motoneurons of the human hand. <i>Neuroscience Letters</i> , 2004, 364, 48-52.	2.1	15

#	ARTICLE	IF	CITATIONS
325	Involvement of the human dorsal premotor cortex in unimanual motor control: an interference approach using transcranial magnetic stimulation. <i>Neuroscience Letters</i> , 2004, 367, 189-193.	2.1	44
326	Subtle hemispheric asymmetry of motor cortical inhibitory tone. <i>Clinical Neurophysiology</i> , 2004, 115, 330-340.	1.5	55
327	TMS and drugs. <i>Clinical Neurophysiology</i> , 2004, 115, 1717-1729.	1.5	563
328	Cortical correlates of neuromotor development in healthy children. <i>Clinical Neurophysiology</i> , 2003, 114, 1662-1670.	1.5	121
329	The α_2 -adrenergic agonist guanfacine reduces excitability of human motor cortex through disfacilitation and increase of inhibition. <i>Clinical Neurophysiology</i> , 2003, 114, 1834-1840.	1.5	26
330	Chapter 8 Transcranial magnetic stimulation. <i>Handbook of Clinical Neurophysiology</i> , 2003, 1, 95-125.	0.0	4
331	Chapter 16 Motor control in mirror movements: studies with transcranial magnetic stimulation. <i>Supplements To Clinical Neurophysiology</i> , 2003, 56, 175-180.	2.1	9
332	Methylphenidate facilitates and disinhibits the motor cortex in intact humans. <i>NeuroReport</i> , 2003, 14, 773-776.	1.2	61
333	Pharmacology of TMS. <i>Supplements To Clinical Neurophysiology</i> , 2003, 56, 226-31.	2.1	39
334	Improving Hand Function in Chronic Stroke. <i>Archives of Neurology</i> , 2002, 59, 1278.	4.5	226
335	Chapter 32 Modulation of cortical plasticity. <i>Supplements To Clinical Neurophysiology</i> , 2002, 54, 210-215.	2.1	0
336	Congenital hemiparesis: different functional reorganization of somatosensory and motor pathways. <i>Clinical Neurophysiology</i> , 2002, 113, 1273-1278.	1.5	13
337	Dual modulating effects of amphetamine on neuronal excitability and stimulation-induced plasticity in human motor cortex. <i>Clinical Neurophysiology</i> , 2002, 113, 1308-1315.	1.5	41
338	Transitions between dynamical states of differing stability in the human brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 10948-10953.	7.1	199
339	Complex modulation of human motor cortex excitability by the specific serotonin re-uptake inhibitor sertraline. <i>Neuroscience Letters</i> , 2002, 319, 116-120.	2.1	83
340	Stimulation-Induced Within-Representation and Across-Representation Plasticity in Human Motor Cortex. <i>Journal of Neuroscience</i> , 2002, 22, 5563-5571.	3.6	47
341	Short-interval paired-pulse inhibition and facilitation of human motor cortex: the dimension of stimulus intensity. <i>Journal of Physiology</i> , 2002, 545, 153-167.	2.9	466
342	Early consolidation in human primary motor cortex. <i>Nature</i> , 2002, 415, 640-644.	27.8	720

#	ARTICLE	IF	CITATIONS
343	Hemispheric asymmetry of ipsilateral motor cortex activation during unimanual motor tasks: further evidence for motor dominance. <i>Clinical Neurophysiology</i> , 2001, 112, 107-113.	1.5	171
344	New graphical method to measure silent periods evoked by transcranial magnetic stimulation. <i>Clinical Neurophysiology</i> , 2001, 112, 1451-1460.	1.5	136
345	Modulation of practice-dependent plasticity in human motor cortex. <i>Brain</i> , 2001, 124, 1171-1181.	7.6	416
346	Analogous Corticocortical Inhibition and Facilitation in Ipsilateral and Contralateral Human Motor Cortex Representations of the Tongue. <i>Journal of Clinical Neurophysiology</i> , 2001, 18, 550-558.	1.7	52
347	Role of the human motor cortex in rapid motor learning. <i>Experimental Brain Research</i> , 2001, 136, 431-438.	1.5	398
348	Transkranielle Magnetstimulation: Neue Einsatzmöglichkeiten zur Messung kortikaler und kortikospinaler Erregbarkeit. <i>Aktuelle Neurologie</i> , 2001, 28, 249-264.	0.1	8
349	I-Waves in Motor Cortex. <i>Journal of Clinical Neurophysiology</i> , 2000, 17, 397-405.	1.7	219
350	Reproducibility of intracortical inhibition and facilitation using the paired-pulse paradigm. <i>Muscle and Nerve</i> , 2000, 23, 1594-1597.	2.2	90
351	Exploration of motor cortex excitability in a diabetic patient with hemiballism-hemichorea. <i>Movement Disorders</i> , 2000, 15, 1000-1005.	3.9	18
352	The relative metabolic demand of inhibition and excitation. <i>Nature</i> , 2000, 406, 995-998.	27.8	296
353	Effects of low-frequency transcranial magnetic stimulation on motor excitability and basic motor behavior. <i>Clinical Neurophysiology</i> , 2000, 111, 1002-1007.	1.5	354
354	Reproducibility of intracortical inhibition and facilitation using the paired-pulse paradigm. <i>Muscle and Nerve</i> , 2000, 23, 1594-1597.	2.2	1
355	Dissociation of the pathways mediating ipsilateral and contralateral motor-evoked potentials in human hand and arm muscles. <i>Journal of Physiology</i> , 1999, 518, 895-906.	2.9	280
356	Complete suppression of voluntary motor drive during the silent period after transcranial magnetic stimulation. <i>Experimental Brain Research</i> , 1999, 124, 447-454.	1.5	112
357	Changes in 5-HT1A and NMDA binding sites by a single rapid transcranial magnetic stimulation procedure in rats. <i>Brain Research</i> , 1999, 826, 309-312.	2.2	108
358	Altered seizure susceptibility after high-frequency transcranial magnetic stimulation in rats. <i>Neuroscience Letters</i> , 1999, 273, 155-158.	2.1	49
359	Intracortical inhibition and facilitation in the conventional paired TMS paradigm. <i>Electroencephalography and Clinical Neurophysiology Supplement</i> , 1999, 51, 127-36.	0.0	45
360	Mechanisms, functional relevance and modulation of plasticity in the human central nervous system. <i>Electroencephalography and Clinical Neurophysiology Supplement</i> , 1999, 51, 174-82.	0.0	8

#	ARTICLE	IF	CITATIONS
361	Reorganization in motor cortex in amputees and in normal volunteers after ischemic limb deafferentation. <i>Electroencephalography and Clinical Neurophysiology Supplement</i> , 1999, 51, 183-7.	0.0	22
362	Sleep and rTMS. Investigating the link between transcranial magnetic stimulation, sleep, and depression. <i>Electroencephalography and Clinical Neurophysiology Supplement</i> , 1999, 51, 315-21.	0.0	1
363	Motor excitability changes under antiepileptic drugs. <i>Advances in Neurology</i> , 1999, 81, 291-8.	0.8	8
364	Demonstration of facilitatory I wave interaction in the human motor cortex by paired transcranial magnetic stimulation. <i>Journal of Physiology</i> , 1998, 511, 181-190.	2.9	387
365	Transient visual field defects induced by transcranial magnetic stimulation over human occipital pole. <i>Experimental Brain Research</i> , 1998, 118, 19-26.	1.5	122
366	Transcranial magnetic stimulation: its current role in epilepsy research. <i>Epilepsy Research</i> , 1998, 30, 11-30.	1.6	147
367	Decreased neuronal inhibition in cerebral cortex in obsessive compulsive disorder on transcranial magnetic stimulation. <i>Lancet, The</i> , 1998, 352, 881-882.	13.7	81
368	Crossed reduction of human motor cortex excitability by 1-Hz transcranial magnetic stimulation. <i>Neuroscience Letters</i> , 1998, 250, 141-144.	2.1	210
369	Pharmacological control of facilitatory I-wave interaction in the human motor cortex. A paired transcranial magnetic stimulation study. <i>Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control</i> , 1998, 109, 321-330.	1.4	164
370	Dextromethorphan decreases the excitability of the human motor cortex. <i>Neurology</i> , 1998, 51, 1320-1324.	1.1	369
371	High-frequency repetitive transcranial magnetic stimulation delays rapid eye movement sleep. <i>NeuroReport</i> , 1998, 9, 3439-3443.	1.2	145
372	Modulation of Plasticity in Human Motor Cortex after Forearm Ischemic Nerve Block. <i>Journal of Neuroscience</i> , 1998, 18, 1115-1123.	3.6	336
373	Mechanisms of Deafferentation-Induced Plasticity in Human Motor Cortex. <i>Journal of Neuroscience</i> , 1998, 18, 7000-7007.	3.6	379
374	Intracortical Inhibition and Facilitation in Different Representations of the Human Motor Cortex. <i>Journal of Neurophysiology</i> , 1998, 80, 2870-2881.	1.8	419
375	Studies of Neuroplasticity With Transcranial Magnetic Stimulation. <i>Journal of Clinical Neurophysiology</i> , 1998, 15, 305-324.	1.7	161
376	Decreased motor inhibition in Tourette's disorder: evidence from transcranial magnetic stimulation. <i>American Journal of Psychiatry</i> , 1997, 154, 1277-1284.	7.2	376
377	Changes in human motor cortex excitability induced by dopaminergic and anti-dopaminergic drugs. <i>Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control</i> , 1997, 105, 430-437.	1.4	220
378	Delay in simple reaction time after focal transcranial magnetic stimulation of the human brain occurs at the final motor output stage. <i>Brain Research</i> , 1997, 744, 32-40.	2.2	81

#	ARTICLE	IF	CITATIONS
379	Pergolide: treatment of choice in restless legs syndrome (RLS) and nocturnal myoclonus syndrome (NMS). A double-blind randomized crossover trial of pergolide versus L-Dopa. Journal of Neural Transmission, 1997, 104, 461-468.	2.8	71
380	Electrical and magnetic stimulation of the intercostal nerves: a comparative study. Electromyography and Clinical Neurophysiology, 1997, 37, 509-12.	0.2	2
381	Enhancement of human motor cortex inhibition by the dopamine receptor agonist pergolide: evidence from transcranial magnetic stimulation. Neuroscience Letters, 1996, 208, 187-190.	2.1	143
382	Effects of antiepileptic drugs on motor cortex excitability in humans: A transcranial magnetic stimulation study. Annals of Neurology, 1996, 40, 367-378.	5.3	988
383	Fasciculations: Clinical, electromyographic, and ultrasonographic assessment. Journal of Neurology, 1996, 243, 579-584.	3.6	74
384	The effect of lorazepam on the motor cortical excitability in man. Experimental Brain Research, 1996, 109, 127-35.	1.5	688
385	Interaction between intracortical inhibition and facilitation in human motor cortex.. Journal of Physiology, 1996, 496, 873-881.	2.9	955
386	Hemispheric asymmetry of transcallosalinhibition in man. Experimental Brain Research, 1995, 104, 527-33.	1.5	260
387	Inhibition of human motor cortex by ethanol A transcranial magnetic stimulation study. Brain, 1995, 118, 1437-1446.	7.6	215
388	Spinal and supraspinal mechanisms contribute to the silent period in the contracting soleus muscle after transcranial magnetic stimulation of human motor cortex. Neuroscience Letters, 1993, 156, 167-171.	2.1	187
389	Phasic and tonic responses of premotor and primary motor cortex neurons to torque changes. Experimental Brain Research, 1991, 86, 303-10.	1.5	21