## Transcranial Magnetic Stimulation: A Primer

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**Citation Report** 

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Mapping causal interregional influences with concurrent TMS–fMRI. Experimental Brain Research, 2008, 191, 383-402.  | 0.7 | 197       |
| 2  | Noninvasive Brain Stimulation for Parkinson's Disease and Dystonia. Neurotherapeutics, 2008, 5,<br>345-361.   | 2.1 | 121       |
| 4  | The physiological basis of the effects of intermittent theta burst stimulation of the human motor cortex. Journal of Physiology, 2008, 586, 3871-3879.                                  | 1.3 | 267       |
| 5  | Bidirectional longâ€ŧerm motor cortical plasticity and metaplasticity induced by quadripulse<br>transcranial magnetic stimulation. Journal of Physiology, 2008, 586, 3927-3947.         | 1.3 | 239       |
| 6  | Repetitive transcranial magnetic stimulation: faster or longer is not necessarily more. Journal of<br>Physiology, 2008, 586, 3733-3734.   | 1.3 | 9         |
| 7  | Lowâ€frequency repetitive transcranial magnetic stimulation suppresses specific excitatory circuits in the human motor cortex. Journal of Physiology, 2008, 586, 4481-4487.             | 1.3 | 59        |
| 8  | New perspectives on techniques for the clinical psychiatrist: Brain stimulation, chronobiology and psychiatric brain imaging. Psychiatry and Clinical Neurosciences, 2008, 62, 627-637. | 1.0 | 2         |
| 10 | Principles of therapeutic use of transcranial and epidural cortical stimulation. Clinical Neurophysiology, 2008, 119, 2179-2184.  | 0.7 | 125       |
| 11 | Seizure suppression by EEG-guided repetitive transcranial magnetic stimulation in the rat. Clinical Neurophysiology, 2008, 119, 2697-2702.  | 0.7 | 55        |
| 12 | Heterogeneity and hypothesis testing in neuropsychiatric illness. Behavioral and Brain Sciences, 2008, 31, 266-267.   | 0.4 | 6         |
| 13 | Contact forces evoked by transcranial magnetic stimulation of the motor cortex in a multi-finger grasp. Brain Research Bulletin, 2008, 75, 723-736.                                     | 1.4 | 6         |
| 14 | Effects of intermittent thetaâ€burst stimulation on practiceâ€related changes in fast finger movements in healthy subjects. European Journal of Neuroscience, 2008, 28, 822-828.        | 1.2 | 38        |
| 15 | Time-course of "off-line―prefrontal rTMS effects — a PET study. NeuroImage, 2008, 42, 379-384.  | 2.1 | 90        |
| 16 | Sparse linear regression for reconstructing muscle activity from human cortical fMRI. NeuroImage, 2008, 42, 1463-1472.  | 2.1 | 38        |
| 18 | Anxiety and decision-making: Toward a neuroeconomics perspective. Advances in Health Economics and Health Services Research, 2008, , 55-84.   | 0.2 | 14        |
| 19 | Animal models may help fractionate shared and discrete pathways underpinning schizophrenia and autism. Behavioral and Brain Sciences, 2008, 31, 264-265.                                | 0.4 | 0         |
| 20 | A complete theory of psychosis and autism as diametric disorders of social brain must consider full range of clinical syndromes. Behavioral and Brain Sciences, 2008, 31, 277-278.      | 0.4 | 2         |
| 21 | Is this conjectural phenotypic dichotomy a plausible outcome of genomic imprinting?. Behavioral and<br>Brain Sciences, 2008, 31, 267-268.   | 0.4 | 2         |

ARTICLE IF CITATIONS # Towards a computational neuroscience of autism-psychosis spectrum disorders. Behavioral and Brain 22 0.4 1 Sciences, 2008, 31, 282-283. Why is creativity attractive in a potential mate?. Behavioral and Brain Sciences, 2008, 31, 275-276. 0.4 Are schizophrenics more religious? Do they have more daughters?. Behavioral and Brain Sciences, 24 0.4 0 2008, 31, 272-273. Psychosis and autism as two developmental windows on a disordered social brain. Behavioral and Brain Sciences, 2008, 31, 280-281. The "mechanism―of human cognitive variation. Behavioral and Brain Sciences, 2008, 31, 263-264. 26 0.4 0 Mapping autism and schizophrenia onto the ontogenesis of social behaviour: A hierarchical-developmental rather than diametrical perspective. Behavioral and Brain Sciences, 2008, 0.4 31, 262-263. Genomic imprinting and disorders of the social brain; shades of grey rather than black and white. 28 0.4 4 Behavioral and Brain Sciences, 2008, 31, 265-266. Creativity, psychosis, autism, and the social brain. Behavioral and Brain Sciences, 2008, 31, 268-269. 29 0.4 Private speech, cognitive-computational control, and the autism-psychosis continuum. Behavioral and 30 0.4 4 Brain Sciences, 2008, 31, 269-270. Imprinting and psychiatric genetics: Beware the diagnostic phenotype. Behavioral and Brain Sciences, 0.4 <u>2008, 31, 270-271.</u> Kinship asymmetries and the divided self. Behavioral and Brain Sciences, 2008, 31, 271-272. 32 3 0.4 Cortical plasticity: A proposed mechanism by which genomic factors lead to the behavioral and neurological phénotype of autism spectrum and psychotic-spectrum disorders. Behavioral and Brain Sciences, 2008, 31, 276-277. Evolutionary perspectives on psychoses and autism: Does genomic imprinting contribute to 34 0.4 4 phenomenólogical antithesis? Éehavioral and Brain Sciences, 2008, 31, 281-282. The evolutionary social brain: From genes to psychiatric conditions. Behavioral and Brain Sciences, 2008, 31, 284-320. 0.4 Psychiatric disorders and the social brain: Distinguishing mentalizing and empathizing. Behavioral and 36 0.4 2 Brain Sciences, 2008, 31, 279-280. Problems with the imprinting hypothesis of schizophrenia and autism. Behavioral and Brain Sciences, 2008, 31, 273-274. Theory of mind in autism, schizophrenia, and in-between. Behavioral and Brain Sciences, 2008, 31, 38 0.4 74 261-262. Reunifying autism and early-onset schizophrenia in terms of social communication disorders. 39 Behavioral and Brain Sciences, 2008, 31, 278-279.

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 40 | Hypo- or hyper-mentalizing: It all depends upon what one means by "mentalizing― Behavioral and Brain<br>Sciences, 2008, 31, 274-275.   | 0.4 | 17        |
| 41 | Studying the Neurobiology of Social Interaction with Transcranial Direct Current StimulationThe Example of Punishing Unfairness. Cerebral Cortex, 2008, 18, 1987-1990.   | 1.6 | 203       |
| 42 | Digit ratio (2D:4D) as a marker for mental disorders: Low (masculinized) 2D:4D in autism-spectrum<br>disorders, high (feminized) 2D:4D in schizophrenic-spectrum disorders. Behavioral and Brain Sciences,<br>2008, 31, 283-284. | 0.4 | 25        |
| 43 | Psychosis and autism as diametrical disorders of the social brain. Behavioral and Brain Sciences, 2008, 31, 241-261.   | 0.4 | 515       |
| 44 | Asymmetric facilitation from repeated paired magnetic stimulation of human motor cortex.<br>NeuroReport, 2008, 19, 479-482.  | 0.6 | 4         |
| 45 | The motor evoked potential in aids and HAM/TSP State of the evidence. Arquivos De Neuro-Psiquiatria, 2009, 67, 1157-1163.  | 0.3 | 6         |
| 46 | The Trouble with Choice: Studying Decision Variables in the Brain. , 2009, , 463-480.  |     | 18        |
| 47 | Coding of Visual Space during Motor Preparation: Approaching Objects Rapidly Modulate<br>Corticospinal Excitability in Hand-Centered Coordinates. Journal of Neuroscience, 2009, 29, 11841-11851.                                | 1.7 | 96        |
| 48 | I. The Little Explored Efficacy of Magnetic Fields in Cancer Treatment and Postulation of the Mechanism of Action. Electromagnetic Biology and Medicine, 2009, 28, 275-282.  | 0.7 | 0         |
| 49 | Environmental Impacts on Spiking Properties in Hodgkin–Huxley Neuron with Direct Current<br>Stimulus. Chinese Physics Letters, 2009, 26, 118701.   | 1.3 | 3         |
| 50 | Abnormal brain lateralization and connectivity in Schizophrenia. Reviews in the Neurosciences, 2009, 20, 61-70.  | 1.4 | 59        |
| 51 | Is This Hand for Real? Attenuation of the Rubber Hand Illusion by Transcranial Magnetic Stimulation over the Inferior Parietal Lobule. Journal of Cognitive Neuroscience, 2009, 21, 1311-1320.                                   | 1.1 | 124       |
| 52 | Electrical stimulation as a means for achieving recovery of function in stroke patients.<br>NeuroRehabilitation, 2009, 25, 45-58.  | 0.5 | 72        |
| 53 | Associative Motor Cortex Plasticity: Direct Evidence in Humans. Cerebral Cortex, 2009, 19, 2326-2330.  | 1.6 | 63        |
| 54 | The Noninvasive Dissection of the Human Visual Cortex: Using fMRI and TMS to Study the Organization of the Visual Brain. Neuroscientist, 2009, 15, 489-506.  | 2.6 | 23        |
| 55 | Effects of sedative and hypnotic drug combinations on transcranial magnetic motor evoked potential, bispectral index and ARX-derived auditory evoked potential index in dogs. Veterinary Journal, 2009, 181, 163-170.            | 0.6 | 11        |
| 56 | Cognitive Neurology: Stimulating Research on Neglect. Current Biology, 2009, 19, R76-R78.  | 1.8 | 11        |
| 57 | Temporal Frequency Channels Are Linked across Audition and Touch. Current Biology, 2009, 19, 561-566.  | 1.8 | 151       |

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 58 | Modulation of preparatory volitional motor cortical activity by paired associative transcranial magnetic stimulation. Human Brain Mapping, 2009, 30, 3645-3656.                                | 1.9 | 11        |
| 59 | Primary motor cortex and movement prevention: Where Stop meets Go. Neuroscience and Biobehavioral Reviews, 2009, 33, 662-673.  | 2.9 | 154       |
| 60 | Noninvasive transcranial brain stimulation and pain. Current Pain and Headache Reports, 2009, 13, 12-17.   | 1.3 | 53        |
| 61 | Cerebellar Control of Motor Activation and Cancellation in Humans: An Electrophysiological Study.<br>Cerebellum, 2009, 8, 302-311.   | 1.4 | 14        |
| 62 | Transcranial magnetic stimulation, synaptic plasticity and network oscillations. Journal of<br>NeuroEngineering and Rehabilitation, 2009, 6, 7.  | 2.4 | 124       |
| 63 | Primary motor cortical metaplasticity induced by priming over the supplementary motor area. Journal of Physiology, 2009, 587, 4845-4862.   | 1.3 | 75        |
| 64 | Repetitive transcranial magnetic stimulation over the right dorsolateral prefrontal cortex decreases valuations during food choices. European Journal of Neuroscience, 2009, 30, 1980-1988.    | 1.2 | 136       |
| 65 | Focused Ultrasound Effects on Nerve Action Potential in vitro. Ultrasound in Medicine and Biology, 2009, 35, 1737-1747.  | 0.7 | 133       |
| 66 | Effect of electrode cap on measured cortical motor threshold. Journal of Neuroscience Methods, 2009, 176, 225-229.   | 1.3 | 14        |
| 67 | State-Dependent Variability of Neuronal Responses to Transcranial Magnetic Stimulation of the Visual<br>Cortex. Neuron, 2009, 62, 291-303.   | 3.8 | 129       |
| 68 | Repetitive transcranial magnetic stimulation in the treatment of epilepsia partialis continua. Epilepsy<br>and Behavior, 2009, 14, 253-257.  | 0.9 | 115       |
| 69 | Advances in the Application of Technology to Epilepsy: The CIMIT/NIO Epilepsy Innovation Summit.<br>Epilepsy and Behavior, 2009, 16, 3-46.   | 0.9 | 41        |
| 70 | Remapping the Somatosensory Cortex after Stroke: Insight from Imaging the Synapse to Network.<br>Neuroscientist, 2009, 15, 507-524.  | 2.6 | 65        |
| 71 | Reduced cerebral cortex inhibition in dystonia: Direct evidence in humans. Clinical Neurophysiology, 2009, 120, 834-839.   | 0.7 | 20        |
| 73 | Mechanisms controlling motor output to a transfer hand after learning a sequential pinch force skill with the opposite hand. Clinical Neurophysiology, 2009, 120, 1859-1865.                   | 0.7 | 64        |
| 74 | Safety, ethical considerations, and application guidelines for the use of transcranial magnetic stimulation in clinical practice and research. Clinical Neurophysiology, 2009, 120, 2008-2039. | 0.7 | 4,364     |
| 75 | Implantable Neural Prostheses 1. Biological and Medical Physics Series, 2009, , .  | 0.3 | 17        |
| 76 | I. The Little Explored Efficacy of Magnetic Fields in Cancer Treatment and Postulation of the Mechanism of Action. Electromagnetic Biology and Medicine, 2009, 28, 275-282.                    | 0.7 | 12        |

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 77 | Using simultaneous repetitive Transcranial Magnetic Stimulation/functional Near Infrared<br>Spectroscopy (rTMS/fNIRS) to measure brain activation and connectivity. NeuroImage, 2009, 47,<br>1177-1184.   | 2.1 | 61        |
| 78 | The neural basis of constraint-induced movement therapy. Current Opinion in Neurology, 2009, 22, 582-588.   | 1.8 | 60        |
| 79 | Chronic low-frequency rTMS of primary motor cortex diminishes exercise training-induced gains in maximal voluntary force in humans. Journal of Applied Physiology, 2009, 106, 403-411.  | 1.2 | 31        |
| 80 | Neurophysiological Responses After Short-Term Strength Training of the Biceps Brachii Muscle.<br>Journal of Strength and Conditioning Research, 2010, 24, 3123-3132.  | 1.0 | 70        |
| 81 | Late Cortical Disinhibition in Human Motor Cortex: A Triple-Pulse Transcranial Magnetic Stimulation Study. Journal of Neurophysiology, 2010, 103, 511-518.  | 0.9 | 77        |
| 82 | A new method for the activation of the locomotor circuitry in humans. Human Physiology, 2010, 36, 700-707.  | 0.1 | 2         |
| 83 | The role of the dorsolateral prefrontal cortex in the inhibition of stereotyped responses.<br>Experimental Brain Research, 2010, 203, 593-600.  | 0.7 | 37        |
| 84 | The Restoration After Repetitive Transcranial Magnetic Stimulation Treatment on Cognitive Ability of<br>Vascular Dementia Rats and Its Impacts on Synaptic Plasticity in Hippocampal CA1 Area. Journal of<br>Molecular Neuroscience, 2010, 41, 145-155. | 1.1 | 57        |
| 85 | A Review of Combined TMS-EEG Studies to Characterize Lasting Effects of Repetitive TMS and Assess Their Usefulness in Cognitive and Clinical Neuroscience. Brain Topography, 2010, 22, 219-232.   | 0.8 | 334       |
| 86 | Brain-Behavior Relations: Transcranial Magnetic Stimulation: A Review. IEEE Engineering in Medicine<br>and Biology Magazine, 2010, 29, 84-96.   | 1.1 | 80        |
| 87 | Recovery of function in humans: Cortical stimulation and pharmacological treatments after stroke.<br>Neurobiology of Disease, 2010, 37, 243-251.  | 2.1 | 106       |
| 88 | Experience, cortical remapping, and recovery in brain disease. Neurobiology of Disease, 2010, 37, 252-258.  | 2.1 | 49        |
| 89 | An endocrine perspective on the role of steroid hormones in the antidepressant treatment efficacy of transcranial magnetic stimulation. Psychoneuroendocrinology, 2010, 35, 171-178.  | 1.3 | 10        |
| 90 | Effect of tDCS with an extracephalic reference electrode on cardio-respiratory and autonomic functions. BMC Neuroscience, 2010, 11, 38.   | 0.8 | 102       |
| 91 | Memory: Reconsolidation Allows Modification of Motor Memories. Current Biology, 2010, 20, R709-R710.  | 1.8 | 3         |
| 92 | Encoding of Motor Skill in the Corticomuscular System of Musicians. Current Biology, 2010, 20, 1869-1874.   | 1.8 | 106       |
| 93 | Physiology of repetitive transcranial magnetic stimulation of the human brain. Brain Stimulation, 2010, 3, 95-118.  | 0.7 | 527       |
| 94 | Brain stimulation in the study and treatment of addiction. Neuroscience and Biobehavioral Reviews, 2010, 34, 559-574.   | 2.9 | 159       |

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| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 95  | Control of wrist position and muscle relaxation by shifting spatial frames of reference for<br>motoneuronal recruitment: possible involvement of corticospinal pathways. Journal of Physiology,<br>2010, 588, 1551-1570. | 1.3 | 70        |
| 96  | Enhanced human brain associative plasticity in Costello syndrome. Journal of Physiology, 2010, 588, 3445-3456.   | 1.3 | 27        |
| 97  | The effects of electrical microstimulation on cortical signal propagation. Nature Neuroscience, 2010, 13, 1283-1291.   | 7.1 | 301       |
| 98  | Force requirements of observed object lifting are encoded by the observer's motor system: a TMS study. European Journal of Neuroscience, 2010, 31, 1144-1153.  | 1.2 | 106       |
| 99  | Socially Explosive Minds: The Triple Imbalance Hypothesis of Reactive Aggression. Journal of Personality, 2010, 78, 67-94.   | 1.8 | 93        |
| 101 | Identifying Phronotypes in Psychiatry. Frontiers in Psychiatry, 2010, 1, 141.  | 1.3 | 4         |
| 102 | Non-Invasive Brain Stimulation: Enhancing Motor and Cognitive Functions In Healthy Old Subjects.<br>Frontiers in Aging Neuroscience, 2010, 2, 149.   | 1.7 | 79        |
| 103 | Reversal of Cortical Reorganization in Human Primary Motor Cortex Following Thumb<br>Reconstruction. Journal of Neurophysiology, 2010, 103, 65-73.   | 0.9 | 10        |
| 104 | Studying the Role of Human Parietal Cortex in Visuospatial Attention with Concurrent TMS-fMRI.<br>Cerebral Cortex, 2010, 20, 2702-2711.  | 1.6 | 110       |
| 105 | Stimulating studies of visual cortical function in migraine. Cephalalgia, 2010, 30, 643-645.   | 1.8 | 1         |
| 106 | Novel and Direct Access to the Human Locomotor Spinal Circuitry. Journal of Neuroscience, 2010, 30, 3700-3708.   | 1.7 | 108       |
| 107 | Mechanisms and Dynamics of Cortical Motor Inhibition in the Stop-signal Paradigm: A TMS Study.<br>Journal of Cognitive Neuroscience, 2010, 22, 225-239.  | 1.1 | 118       |
| 108 | Optimization of electric field distribution of multichannel Transcranial Magnetic Stimulation based on Genetic Algorithm. , 2010, , .  |     | 5         |
| 109 | Stimulating stimulation: can we improve motor recovery following stroke using repetitive transcranial magnetic stimulation?. Physical Therapy Reviews, 2010, 15, 302-308.  | 0.3 | 7         |
| 110 | Quadripulse stimulation – A new patterned rTMS. Restorative Neurology and Neuroscience, 2010, 28, 419-424.   | 0.4 | 35        |
| 111 | Huntingtons Disease: The Value of Transcranial Meganetic Stimulation. Current Medicinal Chemistry, 2010, 17, 2482-2491.  | 1.2 | 27        |
| 112 | The Neural Circuitry of Executive Functions in Healthy Subjects and Parkinson's Disease.<br>Neuropsychopharmacology, 2010, 35, 70-85.  | 2.8 | 163       |
| 113 | Somatosensory evoked potentials and high frequency oscillations are differently modulated by theta<br>burst stimulation over primary somatosensory cortex in humans. Clinical Neurophysiology, 2010, 121,<br>2097-2103.  | 0.7 | 33        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 114 | Effects of olfactory and gustatory stimuli on neural excitability for swallowing. Physiology and Behavior, 2010, 101, 568-575.   | 1.0 | 30        |
| 115 | Assessment and Modulation of Neural Plasticity in Rehabilitation With Transcranial Magnetic<br>Stimulation. PM and R, 2010, 2, S253-68.  | 0.9 | 75        |
| 116 | Event-related rTMS at encoding affects differently deep and shallow memory traces. NeuroImage, 2010, 53, 325-330.  | 2.1 | 36        |
| 118 | Scotomas induced by multiple, spatially invariant TMS pulses have stable size and subjective contrast.<br>International Journal of Psychophysiology, 2010, 77, 157-165.                      | 0.5 | 6         |
| 119 | Caffeine enhances frontal relative negativity of slow brain potentials in a task-free experimental setup. Brain Research Bulletin, 2010, 82, 39-45.  | 1.4 | 15        |
| 120 | Lateralization of forelimb motor evoked potentials by transcranial magnetic stimulation in rats.<br>Clinical Neurophysiology, 2010, 121, 104-108.  | 0.7 | 73        |
| 121 | Retinal origin of phosphenes to transcranial alternating current stimulation. Clinical<br>Neurophysiology, 2010, 121, 1080-1084.   | 0.7 | 138       |
| 122 | The effects of motor cortex rTMS on corticospinal descending activity. Clinical Neurophysiology, 2010, 121, 464-473.   | 0.7 | 115       |
| 123 | Breaks during 5 Hz rTMS are essential for facilitatory after effects. Clinical Neurophysiology, 2010, 121, 426-430.  | 0.7 | 82        |
| 124 | HF-rTMS treatment decreases psychomotor retardation in medication-resistant melancholic depression. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2010, 34, 684-687.       | 2.5 | 32        |
| 125 | Double-blind, randomized, placebo controlled trial on the effect of 10 days low-frequency rTMS over<br>the vertex on sleep in Parkinson's disease. Sleep Medicine, 2010, 11, 759-765.        | 0.8 | 26        |
| 126 | Effects of Anodal Transcranial Direct Current Stimulation on Chronic Neuropathic Pain in Patients<br>With Multiple Sclerosis. Journal of Pain, 2010, 11, 436-442.                            | 0.7 | 215       |
| 127 | Technique of Topographical mapping of FDI muscle response after Single pulse TMS stimulation: A method to study inter hemispheric symmetry and plasticity of human motor cortex. , 2010, , . |     | 2         |
| 129 | Ameliorating spatial neglect with non-invasive brain stimulation: From pathophysiological concepts to novel treatment strategies. Neuropsychological Rehabilitation, 2011, 21, 676-702.      | 1.0 | 36        |
| 130 | Sensorimotor rhythm-based brain–computer interface training: the impact on motor cortical responsiveness. Journal of Neural Engineering, 2011, 8, 025020.                                    | 1.8 | 137       |
| 131 | Règles de sécurité concernant la pratique de la stimulation magnétique transcrânienne en clinique et<br>en recherche. Texte de consensus. Neurophysiologie Clinique, 2011, , .               | 1.0 | 0         |
| 132 | Improving Visual Sensitivity with Subthreshold Transcranial Magnetic Stimulation. Journal of Neuroscience, 2011, 31, 3290-3294.  | 1.7 | 56        |
| 133 | Interference with gesture production by theta burst stimulation over left inferior frontal cortex.<br>Clinical Neurophysiology, 2011, 122, 1197-1202.  | 0.7 | 35        |

ARTICLE IF CITATIONS # Effect of prefrontal transcranial magnetic stimulation on spontaneous truth-telling. Behavioural 134 1.2 39 Brain Research, 2011, 225, 209-214. Investigating Central Mechanisms Underlying the Effects of Action Observation and Imagery Through Transcranial Magnetic Stimulation. Journal of Motor Behavior, 2011, 43, 361-373. Is rTMS an Effective Therapeutic Strategy that Can Be Used to Treat Parkinson's Disease?. CNS and 136 0.8 11 Neurological Disorders - Drug Targets, 2011, 10, 693-702. The Immediate Effects of EEG Neurofeedback on Cortical Excitability and Synchronization., 2011, 381-402. Invasive and Non-Invasive Stimulation in Parkinson's Disease., 2011, , . 138 0 Effects of Repetitive Transcranial Magnetic Stimulation on Dystonia: An Overview. American Journal 0.4 of Neuroscience, 2011, 2, 5-16. 140 The Clinical Application of Transcranial Magnetic Stimulation in the Study of Epilepsy., 0,,. 0 Repetitive Transcranial Magnetic Stimulation in Depression., 2011, , 257-291. 141 142 Alpha Rhythms in Audition: Cognitive and Clinical Perspectives. Frontiers in Psychology, 2011, 2, 73. 1.1 246 143 Accurate and Rapid Estimation of Phosphene Thresholds (REPT). PLoS ONE, 2011, 6, e22342. 1.1 What Has Transcranial Magnetic Stimulation Taught Us About Neural Adaptations To Strength 144 21 1.0 Training? A Brief Review. Journal of Strength and Conditioning Research, 2011, 25, 3208-3217. Effects of 1-Hz Repetitive Transcranial Magnetic Stimulation on Long-Latency Reflexes and Cortical Relay Time. Journal of Clinical Neurophysiology, 2011, 28, 319-322. Strength Training of One Limb Increases Corticomotor Excitability Projecting to the Contralateral 146 0.3 61 Homologous Limb. Motor Control, 2011, 15, 247-266. Entrainment of Perceptually Relevant Brain Oscillations by Non-Invasive Rhythmic Stimulation of the 1.1 451 Human Brain. Frontiers in Psychology, 2011, 2, 170. Neck muscle responses evoked by transcranial magnetic stimulation of the human frontal eye fields. 148 1.2 13 European Journal of Neuroscience, 2011, 33, 2155-2167. Modulation of excitability in human primary somatosensory and motor cortex by paired associative 149 stimulation targeting the primary somatosensory cortex. European Journal of Neuroscience, 2011, 34, 1.2 1292-1300. Impaired Glutamatergic Neurotransmission in Migraine With Aura? Evidence by an Input–Output 150 1.8 28 Curves Transcranial Magnetic Stimulation Study. Headache, 2011, 51, 726-733. Current trends in stroke rehabilitation. A review with focus on brain plasticity. Acta Neurologica 151 Scandinavica, 2011, 123, 147-159.

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 152 | Using repetitive transcranial magnetic stimulation to study the underlying neural mechanisms of human motor learning and memory. Journal of Physiology, 2011, 589, 21-28.                        | 1.3 | 50        |
| 153 | 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        |
| 154 | Assessment of motor pathways by magnetic stimulation in human and veterinary medicine. Veterinary<br>Journal, 2011, 187, 174-181.  | 0.6 | 6         |
| 155 | Neurophysiology of dystonia: The role of inhibition. Neurobiology of Disease, 2011, 42, 177-184.   | 2.1 | 318       |
| 156 | Observation-execution matching and action inhibition in human primary motor cortex during viewing of speech-related lip movements or listening to speech. Neuropsychologia, 2011, 49, 2045-2054. | 0.7 | 48        |
| 157 | TMS: A navigator for NIRS of the primary motor cortex?. Journal of Neuroscience Methods, 2011, 201, 142-148.   | 1.3 | 14        |
| 158 | Transcranial electrical stimulation of cortico-cortical connections in anesthetized mice. Journal of Neuroscience Methods, 2011, 201, 315-321.   | 1.3 | 12        |
| 159 | Ten sessions of adjunctive left prefrontal rTMS significantly reduces fibromyalgia pain: A randomized,<br>controlled pilot study. Pain, 2011, 152, 2477-2484.                                    | 2.0 | 115       |
| 160 | Noninvasive brain stimulation in Alzheimer's disease: Systematic review and perspectives for the future. Experimental Gerontology, 2011, 46, 611-27.   | 1.2 | 128       |
| 161 | Fast estimation of transcranial magnetic stimulation motor threshold. Brain Stimulation, 2011, 4, 50-57.   | 0.7 | 49        |
| 162 | Including prior knowledge for accurate and fast motor threshold estimation. Brain Stimulation, 2011,<br>4, 60-61.  | 0.7 | 5         |
| 163 | The time course of motor cortex plasticity after spaced motor practice. Brain Stimulation, 2011, 4, 156-164.   | 0.7 | 10        |
| 164 | Triple-pulse TMS to study interactions between neural circuits in human cortex. Brain Stimulation, 2011, 4, 281-293.   | 0.7 | 52        |
| 165 | Restoration of vision after optic nerve lesions with noninvasive transorbital alternating current stimulation: a clinical observational study. Brain Stimulation, 2011, 4, 189-201.              | 0.7 | 76        |
| 166 | Ultrasonic neuromodulation by brain stimulation with transcranial ultrasound. Nature Protocols, 2011, 6, 1453-1470.  | 5.5 | 363       |
| 167 | Clinical relevance and neurophysiological correlates of spasticity in cerebrotendinous xanthomatosis. Journal of Neurology, 2011, 258, 783-790.  | 1.8 | 28        |
| 168 | Modulation of corticomotor excitability by an I-wave intervention delivered during low-level voluntary contraction. Experimental Brain Research, 2011, 208, 229-235.                             | 0.7 | 8         |
| 169 | TMS-induced blinking assessed with high-speed video: optical disruption of visual perception.<br>Experimental Brain Research, 2011, 210, 243-250.  | 0.7 | 8         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 170 | Null results in TMS: From absence of evidence to evidence of absence. Neuroscience and Biobehavioral Reviews, 2011, 35, 871-877.   | 2.9 | 70        |
| 171 | Mini-coil for magnetic stimulation in the behaving primate. Journal of Neuroscience Methods, 2011, 194, 242-251.   | 1.3 | 30        |
| 172 | A variational Bayesian approach for the robust analysis of the cortical silent period from EMG recordings of brain stroke patients. Neurocomputing, 2011, 74, 1301-1314.   | 3.5 | 7         |
| 173 | Four models of the functional contribution of mirror systems. Philosophical Explorations, 2011, 14, 185-194.   | 0.4 | 7         |
| 174 | Long-Term Effects on Cortical Excitability and Motor Recovery Induced by Repeated Muscle Vibration in Chronic Stroke Patients. Neurorehabilitation and Neural Repair, 2011, 25, 48-60.   | 1.4 | 140       |
| 175 | Transcranial Magnetic Stimulation at the Interface with Other Techniques. Neuroscientist, 2011, 17, 368-381.   | 2.6 | 64        |
| 176 | Motor control. , 2011, , 36-54.  |     | 2         |
| 177 | Functional mapping of rat brain activation following rTMS using activity-induced manganese-dependent contrast. Neurological Research, 2011, 33, 563-571.   | 0.6 | 6         |
| 178 | Mechanisms of Magnetic Stimulation of Central Nervous System Neurons. PLoS Computational Biology, 2011, 7, e1002022.   | 1.5 | 135       |
| 179 | Modulation of motor cortex neuronal networks by rTMS: comparison of local and remote effects of six different protocols of stimulation. Journal of Neurophysiology, 2011, 105, 2150-2156.  | 0.9 | 290       |
| 180 | Low-frequency rTMS promotes use-dependent motor plasticity in chronic stroke. Neurology, 2012, 78, 256-264.  | 1.5 | 187       |
| 181 | Timing-dependent modulation of the posterior parietal cortex–primary motor cortex pathway by sensorimotor training. Journal of Neurophysiology, 2012, 107, 3190-3199.  | 0.9 | 45        |
| 182 | Short-interval intracortical inhibition blocks long-term potentiation induced by paired associative stimulation. Journal of Neurophysiology, 2012, 107, 1935-1941.   | 0.9 | 37        |
| 183 | Repetitive spinal electromagnetic stimulation opens a window of synaptic plasticity in damaged spinal cord: role of NMDA receptors. Journal of Neurophysiology, 2012, 107, 3027-3039.  | 0.9 | 35        |
| 184 | Asymmetrical frontal resting-state beta oscillations predict trait aggressive tendencies and behavioral inhibition. Social Cognitive and Affective Neuroscience, 2012, 7, 850-857.   | 1.5 | 32        |
| 185 | High-frequency Stimulation Restored Motor-evoked Potentials to the Baseline Level in the Upper<br>Extremities but Not in the Lower Extremities Under Sevoflurane Anesthesia in Spine Surgery. Journal<br>of Neurosurgical Anesthesiology, 2012, 24, 113-120. | 0.6 | 28        |
| 186 | Noninvasive Brain Stimulation in Traumatic Brain Injury. Journal of Head Trauma Rehabilitation, 2012, 27, 274-292.   | 1.0 | 125       |
| 187 | Transcranial Magnetic Stimulation for the Prediction and Enhancement of Rehabilitation Treatment<br>Effects. Journal of Neurologic Physical Therapy, 2012, 36, 87-93.  | 0.7 | 13        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 188 | Influence of Reward on Corticospinal Excitability during Movement Preparation. Journal of Neuroscience, 2012, 32, 18124-18136.   | 1.7 | 76        |
| 189 | Motor cortex disinhibition in normal-pressure hydrocephalus. Journal of Neurosurgery, 2012, 116, 453-459.  | 0.9 | 23        |
| 190 | Efficacy of High-Frequency Repetitive Transcranial Magnetic Stimulation in Treatment-Resistant<br>Depression. Clinical EEG and Neuroscience, 2012, 43, 279-284.  | 0.9 | 24        |
| 191 | Plasticity-Inducing TMS Protocols to Investigate Somatosensory Control of Hand Function. Neural Plasticity, 2012, 2012, 1-12.  | 1.0 | 19        |
| 192 | 125 Years of Perceptual-Motor Skill Research. American Journal of Psychology, 2012, 125, 9.  | 0.5 | 4         |
| 193 | Utilizing Transcranial Magnetic Stimulation to Study the Human Neuromuscular System. Journal of Visualized Experiments, 2012, , .  | 0.2 | 8         |
| 194 | Frequency-dependent effects of repetitive transcranial magnetic stimulation on the human brain.<br>NeuroReport, 2012, 23, 1065-1070.   | 0.6 | 16        |
| 195 | Effects of Intermittent Theta Burst Stimulation on Cerebral Blood Flow and Cerebral Vasomotor Reactivity. Journal of Ultrasound in Medicine, 2012, 31, 1159-1167.  | 0.8 | 5         |
| 196 | The pharmacology of neuroplasticity induced by nonâ€invasive brain stimulation: building models for<br>the clinical use of CNS active drugs. Journal of Physiology, 2012, 590, 4641-4662.                      | 1.3 | 157       |
| 197 | Neurophysiology of Cortical Stimulation. International Review of Neurobiology, 2012, 107, 57-85.   | 0.9 | 40        |
| 198 | Frequency Dependence of P300 Latency by Low-Frequency Repetitive Transcranial Magnetic Stimulation. IEEE Transactions on Magnetics, 2012, 48, 2865-2868.   | 1.2 | 0         |
| 199 | Non-invasive brain stimulation in the functional evaluation of alcohol effects and in the treatment of alcohol craving: A review. Neuroscience Research, 2012, 74, 169-176.                                    | 1.0 | 20        |
| 200 | Repetitive Magnetic Stimulation Induces Functional and Structural Plasticity of Excitatory<br>Postsynapses in Mouse Organotypic Hippocampal Slice Cultures. Journal of Neuroscience, 2012, 32,<br>17514-17523. | 1.7 | 189       |
| 201 | 1Hz rTMS of the left posterior parietal cortex (PPC) modifies sensorimotor timing. Neuropsychologia, 2012, 50, 3729-3735.  | 0.7 | 17        |
| 202 | Non-invasive brain stimulation and language processing in the healthy brain. Aphasiology, 2012, 26, 1082-1102.   | 1.4 | 29        |
| 203 | rTMS stimulation to induce plastic changes at the language motor area in a patient with a left recidivant brain tumor affecting Broca's area. Neurocase, 2012, 18, 132-138.                                    | 0.2 | 19        |
| 204 | Is rTMS an effective therapeutic strategy that can be used to treat anxiety disorders?.<br>Neuropharmacology, 2012, 62, 125-134.   | 2.0 | 37        |
| 205 | Lithium: A switch from LTD- to LTP-like plasticity in human cortex. Neuropharmacology, 2012, 63, 274-279.  | 2.0 | 41        |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 206 | Developing treatments for impaired cognition in schizophrenia. Trends in Cognitive Sciences, 2012, 16, 35-42.   | 4.0 | 89        |
| 207 | Noninvasive Brain Stimulation to Modulate Neuroplasticity in Traumatic Brain Injury.<br>Neuromodulation, 2012, 15, 326-338.   | 0.4 | 90        |
| 208 | Effect of pulse magnetic field stimulation on calcium channel current. Journal of Magnetism and<br>Magnetic Materials, 2012, 324, 3491-3494.  | 1.0 | 10        |
| 209 | Measuring and manipulating brain connectivity with resting state functional connectivity magnetic resonance imaging (fcMRI) and transcranial magnetic stimulation (TMS). NeuroImage, 2012, 62, 2232-2243.             | 2.1 | 315       |
| 210 | Homeostatic metaplasticity of corticospinal excitatory and intracortical inhibitory neural circuits in human motor cortex. Journal of Physiology, 2012, 590, 5765-5781.   | 1.3 | 117       |
| 211 | Peripheral Electrical Stimulation Triggered by Self-Paced Detection of Motor Intention Enhances<br>Motor Evoked Potentials. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2012,<br>20, 595-604. | 2.7 | 129       |
| 212 | Interfacing basal ganglia models and Parkinson's disease phenomenology: How can we translate the findings of electrophysiological studies from research to clinic. Basal Ganglia, 2012, 2, 189-193.                   | 0.3 | 0         |
| 213 | Efficacy of Transcranial Magnetic Stimulation Targets for Depression Is Related to Intrinsic<br>Functional Connectivity with the Subgenual Cingulate. Biological Psychiatry, 2012, 72, 595-603.                       | 0.7 | 828       |
| 214 | The relationship between TMS measures of functional properties and DTI measures of microstructure of the corticospinal tract. Brain Stimulation, 2012, 5, 297-304.  | 0.7 | 31        |
| 215 | Safety and tolerability of repetitive transcranial magnetic stimulation in patients with pathologic positive sensory phenomena: A review of literature. Brain Stimulation, 2012, 5, 320-329.e27.                      | 0.7 | 33        |
| 216 | Modulating the brain at work using noninvasive transcranial stimulation. NeuroImage, 2012, 59, 129-137.   | 2.1 | 80        |
| 217 | Examining cortical dynamics and connectivity with simultaneous single-pulse transcranial magnetic stimulation and fast optical imaging. NeuroImage, 2012, 59, 2504-2510.  | 2.1 | 30        |
| 218 | Variation of stimulation intensity in transcranial magnetic stimulation with depth. Journal of Neuroscience Methods, 2012, 211, 185-190.  | 1.3 | 21        |
| 220 | Long Lasting Modulation of Cortical Oscillations after Continuous Theta Burst Transcranial<br>Magnetic Stimulation. PLoS ONE, 2012, 7, e35080.  | 1.1 | 73        |
| 221 | Cerebellum to motor cortex paired associative stimulation induces bidirectional STDP-like plasticity in human motor cortex. Frontiers in Human Neuroscience, 2012, 6, 260.  | 1.0 | 55        |
| 222 | From motor cortex to visual cortex: The application of noninvasive brain stimulation to amblyopia.<br>Developmental Psychobiology, 2012, 54, 263-273.   | 0.9 | 22        |
| 223 | Human cortical theta reactivity to highâ€frequency repetitive transcranial magnetic stimulation.<br>Human Brain Mapping, 2012, 33, 2224-2237.   | 1.9 | 10        |
| 224 | Where does transcranial magnetic stimulation (TMS) stimulate? Modelling of induced field maps for some common cortical and cerebellar targets. Medical and Biological Engineering and Computing, 2012, 50, 671-681.   | 1.6 | 95        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 225 | Nonâ€linear input–output properties of the cortical networks mediating TMSâ€induced shortâ€interval<br>intracortical inhibition in humans. European Journal of Neuroscience, 2012, 35, 457-467.                    | 1.2 | 11        |
| 226 | High-frequency rTMS treatment increases white matter FA in the left middle frontal gyrus in young patients with treatment-resistant depression. Journal of Affective Disorders, 2012, 136, 249-257.                | 2.0 | 71        |
| 227 | Short-term low intensity PMF does not improve functional or histological outcomes in a rat model of transient focal cerebral ischemia. Brain Research, 2012, 1458, 76-85.  | 1.1 | 12        |
| 228 | Within-subject effect of coil-to-cortex distance on cortical electric field threshold and motor<br>evoked potentials in transcranial magnetic stimulation. Journal of Neuroscience Methods, 2012, 206,<br>158-164. | 1.3 | 33        |
| 229 | The â€~correlates' in neural correlates of consciousness. Neuroscience and Biobehavioral Reviews, 2012,<br>36, 191-197.  | 2.9 | 164       |
| 230 | Facilitation of speech repetition accuracy by theta burst stimulation of the left posterior inferior frontal gyrus. Neuropsychologia, 2012, 50, 2026-2031.   | 0.7 | 41        |
| 231 | flexTMS—A Novel Repetitive Transcranial Magnetic Stimulation Device With Freely Programmable<br>Stimulus Currents. IEEE Transactions on Biomedical Engineering, 2012, 59, 1962-1970.                               | 2.5 | 32        |
| 232 | Neurophysiological techniques in the study of the excitability, connectivity, and plasticity of the human brain. Supplements To Clinical Neurophysiology, 2013, 62, 1-17.  | 2.1 | 5         |
| 234 | An implantable neural interface with electromagnetic stimulation capabilities. Medical Hypotheses, 2013, 81, 322-327.  | 0.8 | 7         |
| 235 | Pharmaco-transcranial magnetic stimulation studies of motor excitability. Handbook of Clinical<br>Neurology / Edited By P J Vinken and G W Bruyn, 2013, 116, 387-397.  | 1.0 | 81        |
| 236 | Epilepsy. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2013, 116, 491-497.   | 1.0 | 5         |
| 237 | Transcranial magnetic stimulation in dystonia. Handbook of Clinical Neurology / Edited By P J Vinken<br>and G W Bruyn, 2013, 116, 543-553.   | 1.0 | 12        |
| 238 | Addiction. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2013, 116, 613-630.  | 1.0 | 6         |
| 239 | TMS and TMS-EEG techniques in the study of the excitability, connectivity, and plasticity of the human motor cortex. Reviews in the Neurosciences, 2013, 24, 431-42.   | 1.4 | 95        |
| 240 | Brain stimulation and functional imaging with fMRI and PET. Handbook of Clinical Neurology / Edited<br>By P J Vinken and G W Bruyn, 2013, 116, 77-95.  | 1.0 | 22        |
| 241 | New insights into amblyopia: Binocular therapy and noninvasive brain stimulation. Journal of AAPOS, 2013, 17, 89-93.   | 0.2 | 53        |
| 242 | Auditory verbal hallucinations as atypical inner speech monitoring, and the potential of neurostimulation as a treatment option. Neuroscience and Biobehavioral Reviews, 2013, 37, 2794-2805.                      | 2.9 | 80        |
| 243 | Neurostimulation as an Approach to Dysphagia Rehabilitation: Current Evidence. Current Physical Medicine and Rehabilitation Reports, 2013, 1, 257-266.   | 0.3 | 6         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 244 | Transcranial magnetic stimulation and sleep disorders: pathophysiologic insights. Sleep Medicine, 2013, 14, 1047-1058.  | 0.8 | 34        |
| 245 | Central Poststroke Pain: Current Diagnosis and Treatment. Topics in Stroke Rehabilitation, 2013, 20, 116-123.   | 1.0 | 41        |
| 246 | Transcranial direct current stimulation (tDCS) and language. Journal of Neurology, Neurosurgery and Psychiatry, 2013, 84, 832-842.  | 0.9 | 168       |
| 247 | Can noninvasive brain stimulation enhance cognition in neuropsychiatric disorders?.<br>Neuropharmacology, 2013, 64, 566-578.  | 2.0 | 198       |
| 248 | Efficient and robust identification of cortical targets in concurrent TMS–fMRI experiments.<br>NeuroImage, 2013, 76, 134-144.   | 2.1 | 12        |
| 250 | Transcranial magnetic stimulation in neurology. Neurology: Clinical Practice, 2013, 3, 519-526.   | 0.8 | 74        |
| 251 | Potentiation of quantitative electroencephalograms following prefrontal repetitive transcranial magnetic stimulation in patients with major depression. Neuroscience Research, 2013, 77, 70-77.   | 1.0 | 35        |
| 252 | Subcortical substrates of TMS induced modulation of the cortico-cortical connectivity. Brain Stimulation, 2013, 6, 138-146.   | 0.7 | 31        |
| 253 | Neural field theory of calcium dependent plasticity with applications to transcranial magnetic stimulation. Journal of Theoretical Biology, 2013, 324, 72-83.   | 0.8 | 29        |
| 254 | Recommendations for the clinical use of motor evoked potentials in multiple sclerosis. NeurologÃa<br>(English Edition), 2013, 28, 408-416.  | 0.2 | 3         |
| 256 | Brain stimulation studies of non-motor cerebellar function: A systematic review. Neuroscience and<br>Biobehavioral Reviews, 2013, 37, 766-789.  | 2.9 | 51        |
| 257 | The Speculative Neuroscience of the Future Human Brain. Humanities, 2013, 2, 209-252.   | 0.1 | 2         |
| 258 | Noninvasive brain stimulation: from physiology to network dynamics and back. Nature Neuroscience, 2013, 16, 838-844.  | 7.1 | 466       |
| 259 | Corticospinal control strategies underlying voluntary and involuntary wrist movements.<br>Behavioural Brain Research, 2013, 236, 350-358.   | 1.2 | 33        |
| 260 | The effect of long-term high frequency repetitive transcranial magnetic stimulation on working<br>memory in schizophrenia and healthy controls—A randomized placebo-controlled, double-blind fMRI<br>study. Behavioural Brain Research, 2013, 237, 300-307. | 1.2 | 64        |
| 261 | Effects of lamotrigine on human motor cortex plasticity. Clinical Neurophysiology, 2013, 124, 148-153.  | 0.7 | 12        |
| 262 | Identification of reproducible individualized targets for treatment of depression with TMS based on intrinsic connectivity. Neurolmage, 2013, 66, 151-160.  | 2.1 | 275       |
| 263 | Non-invasive brain stimulation in neurological diseases. Neuropharmacology, 2013, 64, 579-587.  | 2.0 | 153       |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 264 | Modulating neural plasticity with non-invasive brain stimulation in schizophrenia. European Archives of Psychiatry and Clinical Neuroscience, 2013, 263, 621-631.   | 1.8 | 24        |
| 266 | Amelioration of Persistent, Non-Ketotic Hyperglycemia-Induced Hemichorea by Repetitive Transcranial<br>Magnetic Stimulation. Case Reports in Neurology, 2013, 5, 68-73.   | 0.3 | 12        |
| 267 | Repetitive Transcranial Magnetic Stimulation for Clinical Applications in Neurological and Psychiatric Disorders: An Overview. Eurasian Journal of Medicine, 2013, 45, 191-206.   | 0.2 | 28        |
| 268 | Dorsolateral prefrontal and orbitofrontal cortex interactions during self-control of cigarette craving. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4422-4427.          | 3.3 | 206       |
| 269 | Neural Correlates of Tactile Temporal-Order Judgment in Humans: an fMRI Study. Cerebral Cortex, 2013, 23, 1952-1964.  | 1.6 | 85        |
| 270 | Bilateral Low-Frequency Repetitive Transcranial Magnetic Stimulation of the Auditory Cortex in<br>Tinnitus Patients Is Not Effective: A Randomised Controlled Trial. Audiology and Neuro-Otology, 2013,<br>18, 362-373. | 0.6 | 41        |
| 271 | Evidence for high-fidelity timing-dependent synaptic plasticity of human motor cortex. Journal of<br>Neurophysiology, 2013, 109, 106-112.   | 0.9 | 24        |
| 272 | Microcircuit mechanisms involved in paired associative stimulationâ€induced depression of corticospinal excitability. Journal of Physiology, 2013, 591, 4903-4920.  | 1.3 | 33        |
| 273 | The impact of rTMS over the dorsolateral prefrontal cortex on cognitive processing. , 2013, 2013, 1988-91.  |     | 5         |
| 274 | Computationally efficient simulation of electrical activity at cell membranes interacting with self-generated and externally imposed electric fields. Journal of Neural Engineering, 2013, 10, 026019.                  | 1.8 | 62        |
| 275 | TMS and tDCS in post-stroke aphasia: Integrating novel treatment approaches with mechanisms of plasticity. Restorative Neurology and Neuroscience, 2013, 31, 501-515.   | 0.4 | 48        |
| 276 | Brain Regulation of Muscle Tone in Healthy and Functionally Unstable Ankles. Journal of Sport<br>Rehabilitation, 2013, 22, 202-211.   | 0.4 | 40        |
| 277 | Research Methods in Social and Affective Neuroscience. , 2014, , 123-158.   |     | 8         |
| 278 | On the feasibility of concurrent human TMS-EEG-fMRI measurements. Journal of Neurophysiology, 2013, 109, 1214-1227.   | 0.9 | 34        |
| 279 | Relationship between transcranial magnetic stimulation measures of intracortical inhibition and spectroscopy measures of GABA and glutamate+glutamine. Journal of Neurophysiology, 2013, 109, 1343-1349.                | 0.9 | 104       |
| 280 | Repetitive Transcranial Magnetic Stimulation for Mal de Debarquement Syndrome. Otology and Neurotology, 2013, 34, 175-179.  | 0.7 | 49        |
| 281 | Assessing brain plasticity across the lifespan with transcranial magnetic stimulation: why, how, and what is the ultimate goal?. Frontiers in Neuroscience, 2013, 7, 42.  | 1.4 | 88        |
| 282 | Cortical Hyperexcitability: A New Biomarker in Generalized Epilepsy Syndromes. Epilepsy Currents, 2013, 13, 287-288.  | 0.4 | 2         |

IF CITATIONS # ARTICLE Role of Neurotrophins in Spinal Plasticity and Locomotion. Current Pharmaceutical Design, 2013, 19, 283 0.9 14 4509-4516. Optimal Coil Orientation for Transcranial Magnetic Stimulation. PLoS ONE, 2013, 8, e60358. 284 1.1 Neural Mechanisms Underlying Stop-and-Restart Difficulties: Involvement of the Motor and Perceptual Systems. PLoS ONE, 2013, 8, e82272. 285 1.1 4 Reward and punishment: investigating cortico-bulbar excitability to disclose the value of goods. Frontiers in Psychology, 2013, 4, 39. Utility of TMS to understand the neurobiology of speech. Frontiers in Psychology, 2013, 4, 446. 287 1.1 16 The Puzzling Case of Hyperexcitability in Amyotrophic Lateral Sclerosis. Journal of Clinical Neurology

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 301 | Graph Theory-Guided Transcranial Magnetic Stimulation in Neurodegenerative Disorders.<br>Bioelectronic Medicine, 2014, 1, 15-18.   | 1.0 | 5         |
| 302 | Now I am ReadyNow I am not: The Influence of Pre-TMS Oscillations and Corticomuscular Coherence on Motor-Evoked Potentials. Cerebral Cortex, 2014, 24, 1708-1719.  | 1.6 | 96        |
| 303 | Heterosynaptic Modulation of Motor Cortical Plasticity in Human. Journal of Neuroscience, 2014, 34, 7314-7321.   | 1.7 | 41        |
| 304 | Temporal dynamics of motor cortex excitability during perception of natural emotional scenes. Social<br>Cognitive and Affective Neuroscience, 2014, 9, 1451-1457.  | 1.5 | 72        |
| 305 | Removing artefacts from TMS-EEG recordings using independent component analysis: Importance for assessing prefrontal and motor cortex network properties. NeuroImage, 2014, 101, 425-439.  | 2.1 | 239       |
| 306 | Voltage-sensitive dye imaging of transcranial magnetic stimulation-induced intracortical dynamics.<br>Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13553-13558.                                       | 3.3 | 60        |
| 307 | Functional protection of learning and memory abilities in rats with vascular dementia. Restorative<br>Neurology and Neuroscience, 2014, 32, 689-700.   | 0.4 | 24        |
| 308 | Invasive and non-invasive brain stimulation for treatment of neuropathic pain in patients with spinal cord injury: A review. Journal of Spinal Cord Medicine, 2014, 37, 19-31.   | 0.7 | 61        |
| 309 | Excitatory Deep Transcranial Magnetic Stimulation With H-Coil Over the Right Homologous Broca's<br>Region Improves Naming in Chronic Post-stroke Aphasia. Neurorehabilitation and Neural Repair, 2014,<br>28, 291-298.                               | 1.4 | 27        |
| 310 | Differential Effect of Conditioning Sequences in Coupling Inhibitory/Facilitatory Repetitive<br>Transcranial Magnetic Stimulation for PostStroke Motor Recovery. CNS Neuroscience and<br>Therapeutics, 2014, 20, 355-363.                            | 1.9 | 47        |
| 311 | Stroke and the Connectome: How Connectivity Guides Therapeutic Intervention. Neuron, 2014, 83, 1354-1368.  | 3.8 | 170       |
| 312 | Brain Stimulation and its Role in Neurological Diseases. , 2014, , 333-369.  |     | 3         |
| 313 | Corticospinal modulation induced by sounds depends on action preparedness. Journal of Physiology, 2014, 592, 153-169.  | 1.3 | 55        |
| 314 | Binocular vision in amblyopia: structure, suppression and plasticity. Ophthalmic and Physiological Optics, 2014, 34, 146-162.  | 1.0 | 138       |
| 315 | Transcranial Magnetic Stimulation of the Prefrontal Cortex in Awake Nonhuman Primates Evokes a<br>Polysynaptic Neck Muscle Response That Reflects Oculomotor Activity at the Time of Stimulation.<br>Journal of Neuroscience, 2014, 34, 14803-14815. | 1.7 | 15        |
| 316 | rTMS in fibromyalgia. Neurology, 2014, 82, 1231-1238.  | 1.5 | 85        |
| 317 | Non-invasive Brain Stimulation in Physical Medicine and Rehabilitation. Current Physical Medicine and Rehabilitation Reports, 2014, 2, 300-309.  | 0.3 | 5         |
| 318 | Transcranial magnetic stimulation and transcranial direct current stimulation: treatments for cognitive and neuropsychiatric symptoms in the neurodegenerative dementias?. Alzheimer's Research and Therapy, 2014, 6, 74.                            | 3.0 | 114       |

ARTICLE IF CITATIONS # Expanding the electrotherapeutic toolkit: a perspective on transcranial pulsating electromagnetic 319 1.0 1 fields (T-PEMF). Acta Neuropsychiatrica, 2014, 26, 261-263. Effects of Short-Term Dexamethasone Administration on Corticospinal Excitability. Medicine and 0.2 Science in Sports and Exercise, 2014, 46, 695-701. Motor Intention Determines Sensory Attenuation of Brain Responses to Self-initiated Sounds. Journal 321 1.1 74 of Cognitive Neuroscience, 2014, 26, 1481-1489. Motor System., 2014, , 207-235. Change of Cognition Effects by Impact of the Transcranial Magnetic Stimulation. IEEE Transactions on 323 1.2 0 Magnetics, 2014, 50, 1-4. rTMS in the Treatment of Drug Addiction: An Update about Human Studies. Behavioural Neurology, 324 1.1 2014, 2014, 1-11. Cerebellar Transcranial Magnetic Stimulation: The Role of Coil Geometry and Tissue Depth. Brain 325 0.7 127 Stimulation, 2014, 7, 643-649. Working memory improvement with non-invasive brain stimulation of the dorsolateral prefrontal 327 0.8 518 cortex: A systematic review and meta-analysis. Brain and Cognition, 2014, 86, 1-9. Deep-brain magnetic stimulation promotes adult hippocampal neurogenesis and alleviates 328 1.3 51 stress-related behaviors in mouse models for neuropsychiatric disorders. Molecular Brain, 2014, 7, 11. Numerical modelling of plasticity induced by transcranial magnetic stimulation. Journal of Computational Neuroscience, 2014, 36, 499-514. Reliability of transcranial magnetic stimulation induced corticomotor excitability measurements for a hand muscle in healthy and chronic stroke subjects. Journal of the Neurological Sciences, 2014, 341, 330 0.3 43 105-109. The contribution of transcranial magnetic stimulation in the diagnosis and in the management of dementia. Clinical Neurophysiology, 2014, 125, 1509-1532. Relapses in multiple sclerosis: effects of highâ€dose steroids on cortical excitability. European Journal 332 1.7 32 of Neurology, 2014, 21, 630. Dynamic mechanisms underlying afterdischarge: A human subdural recording study. Clinical Neurophysiology, 2014, 125, 1324-1338. Cortical Inhibition, Excitation, and Connectivity in Schizophrenia: A Review of Insights From 334 2.363 Transcranial Magnetic Stimulation. Schizophrenia Bulletin, 2014, 40, 685-696. Transcranial magnetic stimulation in brain injury. Annales Francaises D'Anesthesie Et De Reanimation, 1.4 2014, 33, 83-87 Changes of oscillatory brain activity induced by repetitive transcranial magnetic stimulation of the 336 2.1 43 left dorsolateral prefrontal cortex in healthy subjects. NeuroImage, 2014, 88, 91-99. Occipital cortex activation by long-term repetitive tactile stimulation is necessary for object recognition in blinds: A case report. Neurocase, 2014, 20, 273-282.

|     |   | CITATION R                    | EPORT |           |
|-----|---|-------------------------------|-------|-----------|
| #   | Article   |                               | IF    | CITATIONS |
| 338 | Cortical reorganization after spinal cord injury: Always for good?. Neuroscience, 2014,   | 283, 78-94.                   | 1.1   | 100       |
| 339 | Mapping human brain networks with cortico-cortical evoked potentials. Philosophical of the Royal Society B: Biological Sciences, 2014, 369, 20130528.   | Transactions                  | 1.8   | 165       |
| 340 | Deception rate in a "lying game†Different effects of excitatory repetitive transcr<br>stimulation of right and left dorsolateral prefrontal cortex not found with inhibitory sti<br>Neuroscience Letters, 2014, 583, 21-25. | anial magnetic<br>mulation.   | 1.0   | 11        |
| 341 | The effect of motor imagery with specific implement in expert badminton player. Neur 275, 102-112.  | oscience, 2014,               | 1.1   | 34        |
| 342 | Disrupting the Ipsilateral Motor Cortex Interferes with Training of a Complex Motor Ta<br>Adults. Cerebral Cortex, 2014, 24, 1030-1036.   | sk in Older                   | 1.6   | 37        |
| 343 | Resting-state networks link invasive and noninvasive brain stimulation across diverse p<br>neurological diseases. Proceedings of the National Academy of Sciences of the United<br>America, 2014, 111, E4367-75.            | sychiatric and<br>States of   | 3.3   | 486       |
| 344 | Neuromechanical coupling in the regulation of muscle tone and joint stiffness. Scandir of Medicine and Science in Sports, 2014, 24, 737-748.  | navian Journal                | 1.3   | 53        |
| 346 | Lasting Modulation Effects of rTMS on Neural Activity and Connectivity as Revealed by EEG. IEEE Transactions on Biomedical Engineering, 2014, 61, 2070-2080.  | Resting-State                 | 2.5   | 60        |
| 347 | Excitability of the central masticatory pathways in patients with sleep bruxism. Neuros 2014, 558, 82-86.   | cience Letters,               | 1.0   | 13        |
| 348 | EEG-neurofeedback for optimising performance. III: A review of methodological and the considerations. Neuroscience and Biobehavioral Reviews, 2014, 44, 159-182.  | eoretical                     | 2.9   | 207       |
| 349 | Influence of Waveform and Current Direction on Short-Interval Intracortical Facilitation<br>Paired-Pulse TMS Study. Brain Stimulation, 2014, 7, 49-58.  | n: A                          | 0.7   | 44        |
| 350 | Repetitive Paired-pulse Transcranial Magnetic Stimulation Over the Visual Cortex Selec<br>Focal Flash VEPs. Brain Stimulation, 2014, 7, 275-280.  | tively Inhibits               | 0.7   | 2         |
| 351 | Can forearm muscle activity be selectively recorded using conventional surface EMG-e<br>transcranial magnetic stimulation? A feasibility study. Journal of Electromyography and<br>2014, 24, 325-331.                       | ectrodes in<br>I Kinesiology, | 0.7   | 9         |
| 352 | Anti-depressive mechanism of repetitive transcranial magnetic stimulation in rat: The r<br>endocannabinoid system. Journal of Psychiatric Research, 2014, 51, 79-87.  | ole of the                    | 1.5   | 57        |
| 353 | Jitter of Corticospinal Neurons During Repetitive Transcranial Magnetic Stimulation. M<br>Possible Clinical Implications. Brain Stimulation, 2014, 7, 580-586.  | ethod and                     | 0.7   | 8         |
| 354 | Antipsychotic treatment with quetiapine increases the cortical silent period. Schizophi 2014, 156, 128-132.   | renia Research,               | 1.1   | 17        |
| 355 | TMS-EEG Signatures of GABAergic Neurotransmission in the Human Cortex. Journal of 2014, 34, 5603-5612.  | Neuroscience,                 | 1.7   | 282       |
| 356 | Treatment and Physiology in Parkinson's Disease and Dystonia: Using Transcranial Stimulation to Uncover the Mechanisms of Action. Current Neurology and Neuroscien 2014, 14, 449.   | Magnetic<br>ce Reports,       | 2.0   | 20        |

ARTICLE IF CITATIONS Facilitating the right but not left DLPFC by TMS decreases truthfulness of object-naming responses. 357 1.2 17 Behavioural Brain Research, 2014, 271, 89-93. From different neurophysiological methods to conflicting pathophysiological views in migraine: A critical review of literature. Clinical Neurophysiology, 2014, 125, 1721-1730. Therapeutic applications of repetitive transcranial magnetic stimulation (rTMS) in movement 359 1.1 47 disorders: A review. Parkinsonism and Related Disorders, 2014, 20, 695-707. Top-down suppression of incompatible motor activations during response selection under conflict. 360 Neurolmage, 2014, 86, 138-149. Probing feedforward and feedback contributions to awareness with visual masking and transcranial 361 1.1 21 magnetic stimulation. Frontiers in Psychology, 2014, 5, 1173. Amblyopia Treatment Strategies and New Drug Therapies. Journal of Pediatric Ophthalmology and 0.3 Strabismus, 2014, 51, 78-86 Reviews and Perspectives. Canadian Journal of Psychiatry, 2014, 59, 1-2. 363 0.9 5 An Overview of Organizational Neuroscience. Monographs in Leadership and Management, 2015, , 17-50. 0.2 364 14 Transcranial magnetic stimulation to understand pathophysiology and as potential treatment for 365 3.6 63 neurodegenerative diseases. Translational Neurodegeneration, 2015, 4, 22. Low-Frequency Repetitive Transcranial Magnetic Stimulation Targeted to Premotor Cortex Followed by Primary Motor Cortex Modulates Excitability Differently Than Premotor Cortex or Primary Motor 0.4 Cortex Stimulation Alone. Neuromodulation, 2015, 18, 678-685. Repetitive Transcranial Magnetic Stimulation in ADHD., 2015,,. 367 0 Theta burst stimulation to characterize changes in brain plasticity following mild traumatic brain 368 0.4 injury: A proof-of-principle study. Restorative Neurology and Neuroscience, 2015, 33, 611-620. The contribution of interindividual factors to variability of response in transcranial direct current 369 1.8 340 stimulation studies. Frontiers in Cellular Neuroscience, 2015, 9, 181. Non-Invasive Brain Stimulation: An Interventional Tool for Enhancing Behavioral Training after 370 1.0 89 Stroke. Frontiers in Human Neuroscience, 2015, 9, 265. Modulating pathological oscillations by rhythmic non-invasive brain stimulationâ€"a therapeutic 371 1.2 18 concept?. Frontiers in Systems Neuroscience, 2015, 9, 33. Chronaxie Measurements in Patterned Neuronal Cultures from Rat Hippocampus. PLoS ONE, 2015, 10, e0132577. MRI Guided Brain Stimulation without the Use of a Neuronavigation System. BioMed Research 373 0.9 11 International, 2015, 2015, 1-8. 374 An Overview of Biofield Devices. Global Advances in Health and Medicine, 2015, 4, gahmj.2015.022...

|     |   | CITATION R          | EPORT |           |
|-----|---|---------------------|-------|-----------|
| #   | ARTICLE   |                     | IF    | CITATIONS |
| 375 | TMS Array Coils Optimization by Means of CFSO. IEEE Transactions on Magnetics, 201  | 5, 51, 1-4.         | 1.2   | 23        |
| 376 | Effects of noninvasive brain stimulation on cognitive function in healthy aging and Alzh<br>disease: a systematic review and meta-analysis. Neurobiology of Aging, 2015, 36, 2348   | neimer's<br>3-2359. | 1.5   | 268       |
| 377 | Consensus Paper: Probing Homeostatic Plasticity of Human Cortex With Non-invasive<br>Brain Stimulation. Brain Stimulation, 2015, 8, 442-454.  | Transcranial        | 0.7   | 138       |
| 378 | Consensus Paper: Probing Homeostatic Plasticity of Human Cortex With Non-invasive Brain Stimulation. Brain Stimulation, 2015, 8, 993-1006.  | Transcranial        | 0.7   | 103       |
| 379 | Central fatigue induced by short-lasting finger tapping and isometric tasks: A study of evoked at spinal and supraspinal levels. Neuroscience, 2015, 305, 316-327.  | silent periods      | 1.1   | 32        |
| 380 | A Review of Transcranial Magnetic Stimulation as a Treatment for Post-Traumatic Stres<br>Current Psychiatry Reports, 2015, 17, 83.  | s Disorder.         | 2.1   | 36        |
| 381 | Noninvasive Brain Stimulation: The Potential for Use in the Rehabilitation of Pediatric A<br>Injury. Archives of Physical Medicine and Rehabilitation, 2015, 96, S129-S137.   | cquired Brain       | 0.5   | 21        |
| 382 | Sexual motivation is reflected by stimulus-dependent motor cortex excitability. Social C<br>Affective Neuroscience, 2015, 10, 1061-1065.  | Cognitive and       | 1.5   | 9         |
| 383 | Immediate increases in quadriceps corticomotor excitability during an electromyograpl intervention. Journal of Electromyography and Kinesiology, 2015, 25, 316-322.   | ny biofeedback      | 0.7   | 30        |
| 384 | Corticospinal excitability during imagined and observed dynamic force production task Effortfulness matters. Neuroscience, 2015, 290, 398-405.  | s:                  | 1.1   | 26        |
| 385 | Non-invasive electrical and magnetic stimulation of the brain, spinal cord, roots and pe<br>nerves: Basic principles and procedures for routine clinical and research application. An<br>report from an I.F.C.N. Committee. Clinical Neurophysiology, 2015, 126, 1071-1107. | ripheral<br>updated | 0.7   | 1,957     |
| 386 | Effects of l-Dopa and pramipexole on plasticity induced by QPS in human motor cortex Neural Transmission, 2015, 122, 1253-1261.   | . Journal of        | 1.4   | 14        |
| 387 | Synaptic rearrangement following axonal injury: Old and new players. Neuropharmacol 113-123.  | ogy, 2015, 96,      | 2.0   | 32        |
| 388 | Transcranial magnetic stimulation of medial prefrontal cortex modulates implicit attitu food. Appetite, 2015, 89, 70-76.  | des towards         | 1.8   | 14        |
| 389 | Neural summation in human motor cortex by subthreshold transcranial magnetic stimu<br>Experimental Brain Research, 2015, 233, 671-677.  | ulations.           | 0.7   | 8         |
| 390 | Physiological consequences of abnormal connectivity in a developmental epilepsy. Ann<br>Neurology, 2015, 77, 487-503.   | als of              | 2.8   | 64        |
| 391 | Brain surface reformatted imaging (BSRI) for intraoperative neuronavigation in brain tu<br>Acta Neurochirurgica, 2015, 157, 265-274.  | imor surgery.       | 0.9   | 2         |
| 392 | Co-registration of magnetic resonance spectroscopy and transcranial magnetic stimula of Neuroscience Methods, 2015, 242, 52-57.   | ation. Journal      | 1.3   | 9         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 393 | Noninvasive stimulation of the temporoparietal junction: A systematic review. Neuroscience and<br>Biobehavioral Reviews, 2015, 55, 547-572.   | 2.9 | 98        |
| 394 | Dissecting neural circuits for multisensory integration and crossmodal processing. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140203.                                       | 1.8 | 46        |
| 395 | Transcranial magnetic stimulation reveals complex cognitive control representations in the rostral frontal cortex. Neuroscience, 2015, 300, 425-431.  | 1.1 | 15        |
| 396 | Variability of behavioural responses to transcranial magnetic stimulation: Origins and predictors.<br>Neuropsychologia, 2015, 74, 137-144.  | 0.7 | 39        |
| 397 | Corticobasal degeneration: clinical characteristics and multidisciplinary therapeutic approach in 26 patients. Neurological Sciences, 2015, 36, 1651-1657.  | 0.9 | 20        |
| 398 | The Neurobiological Grounding of Persistent Stuttering: from Structure to Function. Current<br>Neurology and Neuroscience Reports, 2015, 15, 63.  | 2.0 | 104       |
| 399 | Neural Excitability Alterations After Anterior Cruciate Ligament Reconstruction. Journal of Athletic<br>Training, 2015, 50, 665-674.  | 0.9 | 100       |
| 400 | TMS as a Tool for Examining Cognitive Processing. Current Neurology and Neuroscience Reports, 2015, 15, 52.   | 2.0 | 17        |
| 401 | Modulating reconsolidation: a link to causal systems-level dynamics of human memories. Trends in Cognitive Sciences, 2015, 19, 475-482.   | 4.0 | 50        |
| 402 | Effects of cerebellar continuous theta burst stimulation on resting tremor in Parkinson's disease.<br>Parkinsonism and Related Disorders, 2015, 21, 1061-1066.  | 1.1 | 45        |
| 403 | Amblyopia and the binocular approach to its therapy. Vision Research, 2015, 114, 4-16.  | 0.7 | 171       |
| 406 | TMSâ€induced motor evoked potentials in Wilson's disease: A systematic literature review.<br>Bioelectromagnetics, 2015, 36, 255-266.  | 0.9 | 4         |
| 407 | Glutamate and GABA Imbalance Following Traumatic Brain Injury. Current Neurology and Neuroscience Reports, 2015, 15, 27.  | 2.0 | 336       |
| 408 | Neuroimaging and neuromodulation approaches to study eating behavior and prevent and treat eating disorders and obesity. NeuroImage: Clinical, 2015, 8, 1-31.   | 1.4 | 351       |
| 409 | Resetting tremor by single and paired transcranial magnetic stimulation in Parkinson's disease and<br>essential tremor. Clinical Neurophysiology, 2015, 126, 2330-2336.   | 0.7 | 20        |
| 410 | Modulation of attention functions by anodal tDCS on right PPC. Neuropsychologia, 2015, 74, 96-107.  | 0.7 | 83        |
| 411 | Changes in supraspinal and spinal excitability of the biceps brachii following brief, non-fatiguing submaximal contractions of the elbow flexors in resistance-trained males. Neuroscience Letters, 2015, 607, 66-71. | 1.0 | 19        |
| 412 | Posttraumatic Stress Disorder and Related Diseases in Combat Veterans. , 2015, , .  |     | 3         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 413 | The Two-Brains Hypothesis: Towards a guide for brain–brain and brain–machine interfaces. Journal of<br>Integrative Neuroscience, 2015, 14, 281-293.   | 0.8 | 8         |
| 414 | Mechanisms and therapeutic applications of electromagnetic therapy in Parkinson's disease.<br>Behavioral and Brain Functions, 2015, 11, 26.   | 1.4 | 29        |
| 415 | Neurodegenerative Disorders as Systemic Diseases. , 2015, , .   |     | 2         |
| 416 | Probing the effects of mild traumatic brain injury with transcranial magnetic stimulation of the primary motor cortex. Brain Injury, 2015, 29, 1032-1043.   | 0.6 | 15        |
| 417 | Decreased neural activity and neural connectivity while performing a set-shifting task after inhibiting repetitive transcranial magnetic stimulation on the left dorsal prefrontal cortex. BMC Neuroscience, 2015, 16, 45.  | 0.8 | 10        |
| 418 | Repetitive transcranial magnetic stimulation in patients with drug-resistant major depression: A<br>six-month clinical follow-up study. International Journal of Psychiatry in Clinical Practice, 2015, 19,<br>252-258.   | 1.2 | 69        |
| 419 | Sites of electrical stimulation used in neurology. Annals of Physical and Rehabilitation Medicine, 2015, 58, 201-207.   | 1.1 | 5         |
| 420 | Repetitive Activation of the Corticospinal Pathway by Means of rTMS may Reduce the Efficiency of Corticomotoneuronal Synapses. Cerebral Cortex, 2015, 25, 1629-1637.  | 1.6 | 19        |
| 421 | Non-invasive Human Brain Stimulation in Cognitive Neuroscience: A Primer. Neuron, 2015, 87, 932-945.  | 3.8 | 195       |
| 422 | Transcranial Magnetic Stimulation Changes Response Selectivity of Neurons in the Visual Cortex.<br>Brain Stimulation, 2015, 8, 613-623.   | 0.7 | 13        |
| 423 | Increases in frontostriatal connectivity are associated with response to dorsomedial repetitive transcranial magnetic stimulation in refractory binge/purge behaviors. NeuroImage: Clinical, 2015, 8, 611-618.  | 1.4 | 62        |
| 424 | Hemi-spatial neglect rehabilitation using non-invasive brain stimulation: Or how to modulate the disconnection syndrome?. Annals of Physical and Rehabilitation Medicine, 2015, 58, 251-258.  | 1.1 | 33        |
| 425 | TMS and drugs revisited 2014. Clinical Neurophysiology, 2015, 126, 1847-1868.   | 0.7 | 498       |
| 426 | Transcranial Direct Current Stimulation: Protocols and Physiological Mechanisms of Action. , 2015, ,<br>101-111.  |     | 21        |
| 427 | Transcranial Magnetic Stimulation Reveals Cortical Hyperexcitability in Episodic Cluster Headache.<br>Journal of Pain, 2015, 16, 53-59.   | 0.7 | 18        |
| 428 | Chronic high-frequency repetitive transcranial magnetic stimulation improves age-related cognitive impairment in parallel with alterations in neuronal excitability and the voltage-dependent Ca2+ current in female mice. Neurobiology of Learning and Memory, 2015, 118, 1-7. | 1.0 | 14        |
| 429 | Evidence that transcranial direct current stimulation (tDCS) generates little-to-no reliable<br>neurophysiologic effect beyond MEP amplitude modulation in healthy human subjects: A systematic<br>review. Neuropsychologia, 2015, 66, 213-236.                                 | 0.7 | 441       |
| 431 | Repetitive magnetic stimulation induces plasticity of excitatory postsynapses on proximal dendrites of cultured mouse CA1 pyramidal neurons. Brain Structure and Function, 2015, 220, 3323-3337.  | 1.2 | 87        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 432 | Active Head Motion Compensation of TMS Robotic System Using Neuro-Fuzzy Estimation. MATEC Web of Conferences, 2016, 56, 07001.   | 0.1 | 2         |
| 433 | Inducing LTD-Like Effect in the Human Motor Cortex with Low Frequency and Very Short Duration<br>Paired Associative Stimulation: An Exploratory Study. Neural Plasticity, 2016, 2016, 1-8.                             | 1.0 | 5         |
| 434 | Systematic Underreproduction of Time Is Independent of Judgment Certainty. Neural Plasticity, 2016, 2016, 1-8.   | 1.0 | 5         |
| 435 | Neuromodulation of Attentional Control in Major Depression: A Pilot DeepTMS Study. Neural<br>Plasticity, 2016, 2016, 1-10.   | 1.0 | 21        |
| 436 | How Does Transcranial Magnetic Stimulation Influence Glial Cells in the Central Nervous System?.<br>Frontiers in Neural Circuits, 2016, 10, 26.  | 1.4 | 75        |
| 437 | Repetitive Transcranial Magnetic Stimulation: A Call for Better Data. Frontiers in Neural Circuits, 2016, 10, 57.  | 1.4 | 17        |
| 438 | Development of a Sensitive Outcome for Economical Drug Screening for Progressive Multiple Sclerosis Treatment. Frontiers in Neurology, 2016, 7, 131.   | 1.1 | 59        |
| 439 | EEG and Eye Tracking Demonstrate Vigilance Enhancement with Challenge Integration. Frontiers in<br>Human Neuroscience, 2016, 10, 273.  | 1.0 | 52        |
| 440 | Pairing Voluntary Movement and Muscle-Located Electrical Stimulation Increases Cortical Excitability. Frontiers in Human Neuroscience, 2016, 10, 482.  | 1.0 | 26        |
| 441 | Non-invasive Brain Stimulation and Auditory Verbal Hallucinations: New Techniques and Future<br>Directions. Frontiers in Neuroscience, 2015, 9, 515.   | 1.4 | 19        |
| 442 | Targeting Neural Endophenotypes of Eating Disorders with Non-invasive Brain Stimulation. Frontiers in Neuroscience, 2016, 10, 30.  | 1.4 | 37        |
| 443 | Cortico-Striatal-Thalamic Loop Circuits of the Salience Network: A Central Pathway in Psychiatric<br>Disease and Treatment. Frontiers in Systems Neuroscience, 2016, 10, 104.  | 1.2 | 378       |
| 444 | European Society for Swallowing Disorders – European Union Geriatric Medicine Society<br>white paper: oropharyngeal dysphagia as a geriatric syndrome. Clinical Interventions in Aging, 2016,<br>Volume 11, 1403-1428. | 1.3 | 445       |
| 445 | Beauty Measured and Manipulated by the Brain: The Psychophysiology of Beauty. Japanese Journal of<br>Physiological Psychology and Psychophysiology, 2016, 34, 9-26.  | 0.0 | 1         |
| 446 | Neurocognitive Explorations of Social Mimicry. , 0, , 171-192.   |     | 2         |
| 447 | Transcranial Magnetic Stimulation in Migraine: A New Therapy and New Insights into Pathogenesis.<br>Critical Reviews in Biomedical Engineering, 2016, 44, 319-326.   | 0.5 | 1         |
| 448 | Transcranial Direct Current Stimulation in the Treatment of Essential Tremor. Neurologist, 2016, 21, 28-29.  | 0.4 | 15        |
| 449 | Central post-stroke pain: theories, diagnosis and treatment. Future Neurology, 2016, 11, 5-8.  | 0.9 | 1         |

| #   | Article  | IF                              | CITATIONS                            |
|---|--|---------------------------------|--------------------------------------|
| 450   | Functional Mechanisms of Recovery after Chronic Stroke: Modeling with the Virtual Brain. ENeuro, 2016, 3, ENEURO.0158-15.2016.   | 0.9                             | 61                                   |
| 451   | A low-cost system for coil tracking during transcranial magnetic stimulation. Restorative Neurology and Neuroscience, 2016, 34, 337-346.   | 0.4                             | 9                                    |
| 452   | Changes in the functional state of spinal-cord cell structures under gravitational unloading.<br>Biophysics (Russian Federation), 2016, 61, 755-758.   | 0.2                             | 2                                    |
| 453   | Repetitive transcranial magnetic stimulation modulates the impact of a negative mood induction.<br>Social Cognitive and Affective Neuroscience, 2017, 12, nsw180.  | 1.5                             | 14                                   |
| 454   | Encoding of Touch Intensity But Not Pleasantness in Human Primary Somatosensory Cortex. Journal of Neuroscience, 2016, 36, 5850-5860.  | 1.7                             | 82                                   |
| 456   | A network approach for modulating memory processes via direct and indirect brain stimulation:<br>Toward a causal approach for the neural basis of memory. Neurobiology of Learning and Memory,<br>2016, 134, 162-177.  | 1.0                             | 90                                   |
| 457   | Non-invasive Brain Stimulation for the Treatment of Nicotine Addiction: Potential and Challenges.<br>Neuroscience Bulletin, 2016, 32, 550-556.   | 1.5                             | 14                                   |
| 458   | Maintenance of balance between motor cortical excitation and inhibition after long-term training.<br>Neuroscience, 2016, 336, 114-122.   | 1.1                             | 24                                   |
| 459   | Cerebellar role in Parkinson's disease. Journal of Neurophysiology, 2016, 116, 917-919.  | 0.9                             | 66                                   |
|   |  |                                 |                                      |
| 460   | Physiology of Transcranial Direct and Alternating Current Stimulation. , 2016, , 29-46.  |                                 | 14                                   |
| 460<br>461                                    | Physiology of Transcranial Direct and Alternating Current Stimulation. , 2016, , 29-46.<br>Does intrinsic motivation enhance motor cortex excitability?. Psychophysiology, 2016, 53, 1732-1738.  | 1.2                             | 14<br>4                              |
| 460<br>461<br>462                             | Physiology of Transcranial Direct and Alternating Current Stimulation. , 2016, , 29-46.   Does intrinsic motivation enhance motor cortex excitability?. Psychophysiology, 2016, 53, 1732-1738.   Canadian Network for Mood and Anxiety Treatments (CANMAT) 2016 Clinical Guidelines for the Management of Adults with Major Depressive Disorder. Canadian Journal of Psychiatry, 2016, 61, 561-575.  | 1.2                             | 14<br>4<br>415                       |
| 460<br>461<br>462<br>463                      | Physiology of Transcranial Direct and Alternating Current Stimulation. , 2016, , 29-46.   Does intrinsic motivation enhance motor cortex excitability?. Psychophysiology, 2016, 53, 1732-1738.   Canadian Network for Mood and Anxiety Treatments (CANMAT) 2016 Clinical Guidelines for the Management of Adults with Major Depressive Disorder. Canadian Journal of Psychiatry, 2016, 61, 561-575.   Noninvasive neurostimulation on mice by 5 MHz ultrasound. , 2016, , .  | 1.2<br>0.9                      | 14<br>4<br>415<br>1                  |
| 460<br>461<br>462<br>463                      | Physiology of Transcranial Direct and Alternating Current Stimulation., 2016, , 29-46.   Does intrinsic motivation enhance motor cortex excitability?. Psychophysiology, 2016, 53, 1732-1738.   Canadian Network for Mood and Anxiety Treatments (CANMAT) 2016 Clinical Guidelines for the Management of Adults with Major Depressive Disorder. Canadian Journal of Psychiatry, 2016, 61, 561-575.   Noninvasive neurostimulation on mice by 5 MHz ultrasound., 2016, ,.   Improved Anatomical Specificity of Non-invasive Neuro-stimulation by High Frequency (5 MHz) ultrasound. Scientific Reports, 2016, 6, 24738.   | 1.2<br>0.9<br>1.6               | 14<br>4<br>415<br>1<br>84            |
| 460<br>461<br>462<br>463<br>464               | Physiology of Transcranial Direct and Alternating Current Stimulation. , 2016, , 29-46.   Does intrinsic motivation enhance motor cortex excitability?. Psychophysiology, 2016, 53, 1732-1738.   Canadian Network for Mood and Anxiety Treatments (CANMAT) 2016 Clinical Guidelines for the Management of Adults with Major Depressive Disorder. Canadian Journal of Psychiatry, 2016, 61, 561-575.   Noninvasive neurostimulation on mice by 5 MHz ultrasound. , 2016, , .   Improved Anatomical Specificity of Non-invasive Neuro-stimulation by High Frequency (5 MHz) Ultrasound. Scientific Reports, 2016, 6, 24738.   Neurostimulation techniques in the treatment of nicotine dependence: A review. American Journal on Addictions, 2016, 25, 436-451.  | 1.2<br>0.9<br>1.6<br>1.3        | 14<br>4<br>415<br>1<br>84<br>18      |
| 460<br>461<br>462<br>463<br>464<br>465        | Physiology of Transcranial Direct and Alternating Current Stimulation., 2016, , 29-46.   Does intrinsic motivation enhance motor cortex excitability?. Psychophysiology, 2016, 53, 1732-1738.   Canadian Network for Mood and Anxiety Treatments (CANMAT) 2016 Clinical Guidelines for the Management of Adults with Major Depressive Disorder. Canadian Journal of Psychiatry, 2016, 61, 561-575.   Noninvasive neurostimulation on mice by 5 MHz ultrasound., 2016, ,.   Improved Anatomical Specificity of Non-invasive Neuro-stimulation by High Frequency (5 MHz)   Ultrasound. Scientific Reports, 2016, 6, 24738.   Neurostimulation techniques in the treatment of nicotine dependence: A review. American Journal on Addictions, 2016, 25, 436-451.   Neurophysiologic studies of functional neurologic disorders. Handbook of Clinical Neurology / Edited By PJ Vinken and G W Bruyn, 2016, 139, 61-71.  | 1.2<br>0.9<br>1.6<br>1.3        | 14<br>4<br>15<br>1<br>84<br>18<br>25 |
| 460<br>461<br>462<br>463<br>464<br>465<br>466 | Physiology of Transcranial Direct and Alternating Current Stimulation., 2016, , 29-46.   Does intrinsic motivation enhance motor cortex excitability?. Psychophysiology, 2016, 53, 1732-1738.   Canadian Network for Mood and Anxiety Treatments (CANMAT) 2016 Clinical Guidelines for the Management of Adults with Major Depressive Disorder. Canadian Journal of Psychiatry, 2016, 61, 561-575.   Noninvasive neurostimulation on mice by 5 MHz ultrasound., 2016,,.   Improved Anatomical Specificity of Non-invasive Neuro-stimulation by High Frequency (5 MHz)   Ultrasound. Scientific Reports, 2016, 6, 24738.   Neurostimulation techniques in the treatment of nicotine dependence: A review. American Journal on Addictions, 2016, 25, 436-451.   Neurophysiologic studies of functional neurologic disorders. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2016, 139, 61-71.   The correlation between transcranial magnetic stimulation parameters and neuromuscular properties in children with cerebral palsy., 2016, 2016, 5473-5476. | 1.2<br>0.9<br>1.6<br>1.3<br>1.0 | 14   4   415   1   84   18   25   6  |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 469 | Combining Multiple Data Acquisition Systems to Study Corticospinal Output and Multi-segment Biomechanics. Journal of Visualized Experiments, 2016, , .  | 0.2 | 1         |
| 470 | Brain networks stimulation in dementia: insights from functional imaging. Current Opinion in Neurology, 2016, 29, 756-762.  | 1.8 | 19        |
| 471 | Trait―and stateâ€dependent cortical inhibitory deficits in bipolar disorder. Bipolar Disorders, 2016, 18,<br>261-271.   | 1.1 | 9         |
| 472 | Calcium dependent plasticity applied to repetitive transcranial magnetic stimulation with a neural field model. Journal of Computational Neuroscience, 2016, 41, 107-125.   | 0.6 | 17        |
| 473 | Short-term effects of repetitive transcranial magnetic stimulation on sleep bruxism – a pilot study.<br>International Journal of Oral Science, 2016, 8, 61-65.  | 3.6 | 16        |
| 474 | Intra-Subject Consistency and Reliability of Response Following 2 mA Transcranial Direct Current<br>Stimulation. Brain Stimulation, 2016, 9, 819-825.   | 0.7 | 56        |
| 475 | Refinement of a model of acquired epilepsy for identification and validation of biomarkers of epileptogenesis in rats. Epilepsy and Behavior, 2016, 61, 120-131.  | 0.9 | 8         |
| 476 | rTMS for the Treatment of Depression: a Comprehensive Review of Effective Protocols on Right DLPFC.<br>International Journal of Mental Health and Addiction, 2016, 14, 539-549.   | 4.4 | 3         |
| 477 | Repetitive transcranial magnetic stimulation regulates L-type Ca2+ channel activity inhibited by early sevoflurane exposure. Brain Research, 2016, 1646, 207-218.   | 1.1 | 9         |
| 478 | Amblyopia update. Current Opinion in Ophthalmology, 2016, 27, 380-386.  | 1.3 | 25        |
| 479 | Effects of theta burst stimulation on referred phantom sensations in patients with spinal cord injury.<br>NeuroReport, 2016, 27, 209-212.   | 0.6 | 8         |
| 480 | Role of the dorsolateral prefrontal cortex in contextâ€dependent motor performance. European<br>Journal of Neuroscience, 2016, 43, 954-960.   | 1.2 | 3         |
| 481 | Intermittent Theta-Burst Stimulation of the Right Dorsolateral Prefrontal Cortex to Promote<br>Metaphor Comprehension in Parkinson Disease: A Case Study. Archives of Physical Medicine and<br>Rehabilitation, 2016, 97, 74-83. | 0.5 | 21        |
| 482 | Low-frequency rTMS over the Parieto–frontal network during a sensorimotor task: The role of absolute beta power in the sensorimotor integration. Neuroscience Letters, 2016, 611, 1-5.  | 1.0 | 14        |
| 483 | Limits of Executive Control. Psychological Science, 2016, 27, 748-757.  | 1.8 | 15        |
| 484 | Minimum number of trials required for within- and between-session reliability of TMS measures of corticospinal excitability. Neuroscience, 2016, 320, 205-209.  | 1.1 | 146       |
| 485 | Who May Benefit From Armeo Power Treatment? A Neurophysiological Approach to Predict<br>Neurorehabilitation Outcomes. PM and R, 2016, 8, 971-978.   | 0.9 | 43        |
| 486 | TMS-EEG: A window into the neurophysiological effects of transcranial electrical stimulation in non-motor brain regions. Neuroscience and Biobehavioral Reviews, 2016, 64, 175-184.   | 2.9 | 86        |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 487 | Reductions in Cortico-Striatal Hyperconnectivity Accompany Successful Treatment of<br>Obsessive-Compulsive Disorder with Dorsomedial Prefrontal rTMS. Neuropsychopharmacology, 2016,<br>41, 1395-1403.                                      | 2.8 | 113       |
| 488 | Are studies of motor cortex plasticity relevant in human patients with Parkinson's disease?. Clinical<br>Neurophysiology, 2016, 127, 50-59.   | 0.7 | 23        |
| 489 | Differential effects of 10-Hz and 40-Hz transcranial alternating current stimulation (tACS) on endogenous versus exogenous attention. Cognitive Neuroscience, 2017, 8, 102-111.   | 0.6 | 55        |
| 490 | rTMS of the prefrontal cortex has analgesic effects on neuropathic pain in subjects with spinal cord<br>injury. Spinal Cord, 2017, 55, 20-25.   | 0.9 | 56        |
| 491 | Guiding transcranial brain stimulation by EEG/MEG to interact with ongoing brain activity and associated functions: A position paper. Clinical Neurophysiology, 2017, 128, 843-857.   | 0.7 | 211       |
| 492 | Preparation and execution of teeth clenching and foot muscle contraction influence on corticospinal hand-muscle excitability. Scientific Reports, 2017, 7, 41249.   | 1.6 | 14        |
| 493 | Transcranial Magnetic and Direct Current Stimulation in Children. Current Neurology and Neuroscience Reports, 2017, 17, 11.   | 2.0 | 118       |
| 494 | Transcranial magnetic stimulation (TMS) responses elicited in hindlimb muscles as an assessment of synaptic plasticity in spino-muscular circuitry after chronic spinal cord injury. Neuroscience Letters, 2017, 642, 37-42.                | 1.0 | 17        |
| 495 | Effects of repetitive transcranial magnetic stimulation combined with sensory cueing on unilateral neglect in subacute patients with right hemispheric stroke: a randomized controlled study. Clinical Rehabilitation, 2017, 31, 1154-1163. | 1.0 | 32        |
| 496 | Modulation of frontoâ€parietal connections during the rubber hand illusion. European Journal of<br>Neuroscience, 2017, 45, 964-974.   | 1.2 | 28        |
| 497 | A brief essay on non-pharmacological treatment of Alzheimer's disease. Reviews in the Neurosciences, 2017, 28, 587-597.   | 1.4 | 15        |
| 498 | Cerebellum: An explanation for dystonia?. Cerebellum and Ataxias, 2017, 4, 6.   | 1.9 | 50        |
| 499 | Disrupting dorsolateral prefrontal cortex by <scp>rTMS</scp> reduces the P300 based marker of deception. Brain and Behavior, 2017, 7, e00656.   | 1.0 | 4         |
| 500 | Seeing in the dark: Phosphene thresholds with eyes open versus closed in the absence of visual inputs.<br>Brain Stimulation, 2017, 10, 828-835.   | 0.7 | 21        |
| 501 | How Social Status Shapes Person Perception and Evaluation: A Social Neuroscience Perspective.<br>Perspectives on Psychological Science, 2017, 12, 468-507.  | 5.2 | 91        |
| 502 | Neuromodulation interventions for addictive disorders: challenges, promise, and roadmap for future research. Brain, 2017, 140, aww284.  | 3.7 | 55        |
| 503 | Abnormal sensorimotor integration correlates with cognitive profile in vascular parkinsonism.<br>Journal of the Neurological Sciences, 2017, 377, 161-166.  | 0.3 | 3         |
| 504 | Repetitive Transcranial Magnetic Stimulation and Treatment-emergent Mania and Hypomania: A Review of the Literature. Journal of Psychiatric Practice, 2017, 23, 150-159.  | 0.3 | 29        |

| #   | Article  | IF   | CITATIONS |
|-----|--|------|-----------|
| 505 | Coordinate-Based Meta-Analysis of the Default Mode and Salience Network for Target Identification in<br>Non-Invasive Brain Stimulation of Alzheimer's Disease and Behavioral Variant Frontotemporal<br>Dementia Networks. Journal of Alzheimer's Disease, 2017, 57, 825-843. | 1.2  | 37        |
| 506 | Moving Beyond Attentional Biases: Shifting the Interhemispheric Balance between Left and Right<br>Posterior Parietal Cortex Modulates Attentional Control Processes. Journal of Cognitive<br>Neuroscience, 2017, 29, 1267-1278.  | 1.1  | 17        |
| 507 | Neural recording and modulation technologies. Nature Reviews Materials, 2017, 2, .   | 23.3 | 414       |
| 508 | Combining aerobic exercise and repetitive transcranial magnetic stimulation to improve brain function in health and disease. Neuroscience and Biobehavioral Reviews, 2017, 83, 11-20.  | 2.9  | 36        |
| 509 | Intermittent theta-burst stimulation induces correlated changes in cortical and corticospinal excitability in healthy older subjects. Clinical Neurophysiology, 2017, 128, 2419-2427.  | 0.7  | 21        |
| 510 | Resting State Functional Connectivity Signature of Treatment Effects of Repetitive Transcranial<br>Magnetic Stimulation in Mal de Debarquement Syndrome. Brain Connectivity, 2017, 7, 617-626.   | 0.8  | 26        |
| 511 | Reduced motor cortical inhibition in migraine: A blinded transcranial magnetic stimulation study.<br>Clinical Neurophysiology, 2017, 128, 2411-2418.   | 0.7  | 15        |
| 512 | Transcranial magnetic stimulation in basic and clinical neuroscience: A comprehensive review of fundamental principles and novel insights. Neuroscience and Biobehavioral Reviews, 2017, 83, 381-404.  | 2.9  | 256       |
| 513 | Disruption of M1 Activity during Performance Plateau Impairs Consolidation of Motor Memories.<br>Journal of Neuroscience, 2017, 37, 9197-9206.   | 1.7  | 26        |
| 514 | A Neural Basis for Contagious Yawning. Current Biology, 2017, 27, 2713-2717.e2.  | 1.8  | 17        |
| 515 | Brain stimulation for arm recovery after stroke (B-STARS): protocol for a randomised controlled trial in subacute stroke patients. BMJ Open, 2017, 7, e016566.   | 0.8  | 10        |
| 516 | Properties of afterdischarges from electrical stimulation in patients with epilepsy. Epilepsy Research, 2017, 137, 39-44.  | 0.8  | 9         |
| 517 | Therapeutic effects of anti-gravity treadmill (AlterG) training on reflex hyper-excitability,<br>corticospinal tract activities, and muscle stiffness in children with cerebral palsy. , 2017, 2017, 485-490.  |      | 9         |
| 518 | Left hemispheric breakdown of LTP-like cortico-cortical plasticity in schizophrenic patients. Clinical<br>Neurophysiology, 2017, 128, 2037-2042.   | 0.7  | 10        |
| 519 | Modality-specific Changes in Motor Cortex Excitability After Visuo-proprioceptive Realignment.<br>Journal of Cognitive Neuroscience, 2017, 29, 2054-2067.  | 1.1  | 18        |
| 520 | Non-invasive Brain Stimulation (NIBS) in Motor Recovery After Stroke: Concepts to Increase Efficacy.<br>Current Behavioral Neuroscience Reports, 2017, 4, 280-289.   | 0.6  | 27        |
| 521 | Quantitative analysis of motor evoked potentials in the neonatal lamb. Scientific Reports, 2017, 7, 16095.   | 1.6  | 6         |
| 522 | The analysis of TMS brain mapping of plastic changes in scapular-arm replantation patients. European Neuropsychopharmacology, 2017, 27, S714.  | 0.3  | 0         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 523 | Using non-invasive transcranial stimulation to improve motor and cognitive function in Parkinson's disease: a systematic review and meta-analysis. Scientific Reports, 2017, 7, 14840.                 | 1.6 | 56        |
| 524 | Inhibitory rTMS of secondary somatosensory cortex reduces intensity but not pleasantness of gentle touch. Neuroscience Letters, 2017, 653, 84-91.  | 1.0 | 26        |
| 525 | Improved SNR for combined TMS-fMRI: A support device for commercially available body array coil.<br>Journal of Neuroscience Methods, 2017, 289, 1-7.   | 1.3 | 11        |
| 526 | Neurophysiological studies on atypical parkinsonian syndromes. Parkinsonism and Related Disorders, 2017, 42, 12-21.  | 1.1 | 25        |
| 527 | Osteoarthritis Prevalence in Retired National Football League Players With a History of Concussion and Lower Extremity Injury. Journal of Athletic Training, 2017, 52, 518-525.                        | 0.9 | 16        |
| 528 | Local Immediate versus Long-Range Delayed Changes in Functional Connectivity Following rTMS on the Visual Attention Network. Brain Stimulation, 2017, 10, 263-269.                                     | 0.7 | 23        |
| 529 | Neurobiological after-effects of non-invasive brain stimulation. Brain Stimulation, 2017, 10, 1-18.  | 0.7 | 288       |
| 530 | Noninvasive brain stimulation treatments for addiction and major depression. Annals of the New York Academy of Sciences, 2017, 1394, 31-54.  | 1.8 | 114       |
| 531 | Transcranial magnetic stimulation to dorsolateral prefrontal cortex affects conflict-induced<br>behavioural adaptation in a Wisconsin Card Sorting Test analogue. Neuropsychologia, 2017, 94, 36-43.   | 0.7 | 18        |
| 532 | Assessing rTMS effects in MdDS: Cross-modal comparison between resting state EEG and fMRI connectivity. , 2017, 2017, 1950-1953.   |     | 4         |
| 534 | Increased Low-Frequency Resting-State Brain Activity by High-Frequency Repetitive TMS on the Left<br>Dorsolateral Prefrontal Cortex. Frontiers in Psychology, 2017, 8, 2266.                           | 1.1 | 22        |
| 535 | Semi-automatic 10/20 Identification Method for MRI-Free Probe Placement in Transcranial Brain<br>Mapping Techniques. Frontiers in Neuroscience, 2017, 11, 4.   | 1.4 | 26        |
| 536 | Paired Associative Stimulation of the Temporal Cortex: Effects on the Auditory Steady-State Response.<br>Frontiers in Psychiatry, 2017, 8, 227.  | 1.3 | 7         |
| 537 | Reproducibility of Single-Pulse, Paired-Pulse, and Intermittent Theta-Burst TMS Measures in Healthy<br>Aging, Type-2 Diabetes, and Alzheimer's Disease. Frontiers in Aging Neuroscience, 2017, 9, 263. | 1.7 | 59        |
| 538 | A Data-Driven Approach to Responder Subgroup Identification after Paired Continuous Theta Burst<br>Stimulation. Frontiers in Human Neuroscience, 2017, 11, 382.  | 1.0 | 13        |
| 539 | Recent Advances in Non-invasive Brain Stimulation for Major Depressive Disorder. Frontiers in Human Neuroscience, 2017, 11, 526.   | 1.0 | 25        |
| 540 | Evaluation of the Cortical Silent Period of the Laryngeal Motor Cortex in Healthy Individuals.<br>Frontiers in Neuroscience, 2017, 11, 88.   | 1.4 | 16        |
| 541 | Cortico-Striatal-Thalamic Loop Circuits of the Orbitofrontal Cortex: Promising Therapeutic Targets in Psychiatric Illness. Frontiers in Systems Neuroscience, 2017, 11, 25.                            | 1.2 | 212       |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 542 | Navigated Transcranial Magnetic Stimulation: A Biologically Based Assay of Lower Extremity<br>Impairment and Gait Velocity. Neural Plasticity, 2017, 2017, 1-7.                         | 1.0 | 15        |
| 543 | Effect of Intermediate-Frequency Repetitive Transcranial Magnetic Stimulation on Recovery following<br>Traumatic Brain Injury in Rats. BioMed Research International, 2017, 2017, 1-11. | 0.9 | 11        |
| 544 | Low-Frequency Repetitive Transcranial Magnetic Stimulation for Stroke-Induced Upper Limb Motor<br>Deficit: A Meta-Analysis. Neural Plasticity, 2017, 2017, 1-12.                        | 1.0 | 36        |
| 545 |   |     |           |

|     |  | CITATION REPORT           |     |           |
|-----|--|---------------------------|-----|-----------|
| #   | Article  |                           | IF  | CITATIONS |
| 560 | TMS evoked N100 reflects local GABA and glutamate balance. Brain Stimulation, 2018   | , 11, 1071-1079.          | 0.7 | 36        |
| 561 | Characterizing the corticomotor connectivity of the bilateral ankle muscles during rest<br>isometric contraction in healthy adults. Journal of Electromyography and Kinesiology, 2   | : and<br>2018, 41, 9-18.  | 0.7 | 7         |
| 562 | The challenges of producing effective small coils for transcranial magnetic stimulation Biomedical Physics and Engineering Express, 2018, 4, 037002.   | of mice.                  | 0.6 | 19        |
| 563 | On the electrode positioning for bipolar EMG recording of forearm extensor and flexor activity after transcranial magnetic stimulation. Journal of Electromyography and Kines 40, 23-31.   | muscle<br>siology, 2018,  | 0.7 | 8         |
| 564 | Short-interval and long-interval intracortical inhibition of TMS-evoked EEG potentials.<br>Stimulation, 2018, 11, 818-827.   | Brain                     | 0.7 | 43        |
| 565 | Multisensory Perception: Magnetic Disruption ofÂAttention in Human Parietal Lobe. C 2018, 28, R259-R261.   | urrent Biology,           | 1.8 | 4         |
| 566 | Evidencias actuales sobre la estimulaciÃ <sup>3</sup> n magnética transcraneal y su utilidad pote<br>neurorrehabilitación postictus: Ampliando horizontes en el tratamiento de la enferme<br>cerebrovascular. NeurologÃa, 2018, 33, 459-472.                 | encial en la<br>edad      | 0.3 | 26        |
| 567 | Modulation of Cerebellar-Cortical Connections in Multiple System Atrophy Type C by C<br>Repetitive Transcranial Magnetic Stimulation. Neuromodulation, 2018, 21, 402-408.  | Cerebellar                | 0.4 | 15        |
| 568 | Investigating the neurobiology of schizophrenia and other major psychiatric disorders<br>Transcranial Magnetic Stimulation. Schizophrenia Research, 2018, 192, 30-38.  | with                      | 1.1 | 34        |
| 569 | The clinical utility of repetitive transcranial magnetic stimulation in reducing the risks of transitioning from acute to chronic pain in traumatically injured patients. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 87, 322-331. | þf                        | 2.5 | 16        |
| 570 | Alterations in the Timing of Huperzine A Cerebral Pharmacodynamics in the Acute Trau<br>Injury Setting. Journal of Neurotrauma, 2018, 35, 393-397.   | ımatic Brain              | 1.7 | 6         |
| 571 | The relationship between the sensory responses to ankle-joint loading and corticomot<br>International Journal of Neuroscience, 2018, 128, 435-441.   | or excitability.          | 0.8 | 10        |
| 572 | Maintenance repetitive transcranial magnetic stimulation (rTMS) for relapse preventio depression: A review. Psychiatry Research, 2018, 262, 363-372.   | n in with                 | 1.7 | 51        |
| 573 | Towards assessing corticospinal excitability bilaterally: Validation of a double-coil TMS Journal of Neuroscience Methods, 2018, 293, 162-168.   | method.                   | 1.3 | 31        |
| 574 | Efficacy of Noninvasive Brain Stimulation on Unilateral Neglect After Stroke. American Physical Medicine and Rehabilitation, 2018, 97, 261-269.  | Journal of                | 0.7 | 23        |
| 575 | Neuronal differentiation of human mesenchymal stem cells in response to the domain graphene substrates. Journal of Biomedical Materials Research - Part A, 2018, 106, 43-  | size of<br>51.            | 2.1 | 21        |
| 576 | Micromagnetic Stimulation of the Mouse Auditory Cortex <italic>In VivoImplantable Solenoid System. IEEE Transactions on Biomedical Engineering, 2018, 65,</italic>   | :> Using an<br>1301-1310. | 2.5 | 27        |
| 577 | Real-time EEG-defined excitability states determine efficacy of TMS-induced plasticity i cortex. Brain Stimulation, 2018, 11, 374-389.   | n human motor             | 0.7 | 310       |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 578 | Non-invasive Cerebellar Stimulation: a Promising Approach for Stroke Recovery?. Cerebellum, 2018, 17, 359-371.  | 1.4 | 65        |
| 579 | Micro-coil-induced Inhomogeneous Electric Field Produces sound-driven-like Neural Responses in<br>Microcircuits of the Mouse Auditory Cortex In Vivo. Neuroscience, 2018, 371, 346-370.                 | 1.1 | 12        |
| 580 | And yet it moves : Recovery of volitional control after spinal cord injury. Progress in Neurobiology, 2018, 160, 64-81.   | 2.8 | 149       |
| 581 | EMG-triggered stimulation post spinal cord injury: A case report. Physiotherapy Theory and Practice, 2018, 34, 309-315.   | 0.6 | 1         |
| 582 | Neurostimulation techniques in the treatment of cocaine dependence: A review of the literature.<br>Addictive Behaviors, 2018, 76, 145-155.  | 1.7 | 15        |
| 583 | Non-Invasive Brain Stimulation in Dementia: A Complex Network Story. Neurodegenerative Diseases, 2018, 18, 281-301.   | 0.8 | 39        |
| 584 | Brain stimulation methods for pain treatment. General Physiology and Biophysics, 2018, 37, 477-494.   | 0.4 | 0         |
| 585 | Coil model comparison for cerebellar transcranial magnetic stimulation. Biomedical Physics and Engineering Express, 2018, 5, 015020.  | 0.6 | 17        |
| 586 | Neurostimulation for Functional Neurological Disorder: Evaluating Longitudinal Neurophysiology.<br>Movement Disorders Clinical Practice, 2018, 5, 561-563.  | 0.8 | 6         |
| 587 | BDNF Val66Met polymorphism is associated with altered activity-dependent modulation of short-interval intracortical inhibition in bilateral M1. PLoS ONE, 2018, 13, e0197505.                           | 1.1 | 12        |
| 588 | A Real-Time Phase-Locking System for Non-invasive Brain Stimulation. Frontiers in Neuroscience, 2018, 12, 877.  | 1.4 | 25        |
| 589 | Non-invasive Brain Stimulation as a Set of Research Tools in NeuroIS: Opportunities and<br>Methodological Considerations. Communications of the Association for Information Systems, 2018, ,<br>78-100. | 0.7 | 1         |
| 590 | Brain stimulation and physical performance. Progress in Brain Research, 2018, 240, 317-339.   | 0.9 | 39        |
| 591 | The Effects of Waveform and Current Direction on the Efficacy and Test–Retest Reliability of<br>Transcranial Magnetic Stimulation. Neuroscience, 2018, 393, 97-109.                                     | 1.1 | 38        |
| 592 | Continuous theta-burst stimulation over the dorsolateral prefrontal cortex inhibits improvement on a working memory task. Scientific Reports, 2018, 8, 14835.   | 1.6 | 28        |
| 593 | Inhibitory and facilitatory connections from dorsolateral prefrontal to primary motor cortex in healthy humans at rest—An rTMS study. Neuroscience Letters, 2018, 687, 82-87.                           | 1.0 | 26        |
| 594 | Optical Imaging With Voltage Sensors—Capturing TMS-Induced Neuronal Signals Using Light.<br>Handbook of Behavioral Neuroscience, 2018, 28, 223-234.   | 0.7 | 1         |
| 595 | Rubber Hand Illusion survives Ventral Premotor area inhibition: A rTMS study. Neuropsychologia,<br>2018, 120, 18-24.  | 0.7 | 10        |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 596 | Reproducibility and sources of interindividual variability in the responsiveness to prefrontal continuous theta burst stimulation (cTBS). Neuroscience Letters, 2018, 687, 280-284.   | 1.0 | 8         |
| 597 | Phase Synchronicity of μ-Rhythm Determines Efficacy of Interhemispheric Communication Between<br>Human Motor Cortices. Journal of Neuroscience, 2018, 38, 10525-10534.  | 1.7 | 49        |
| 598 | Non-orthogonal one-step calibration method for robotized transcranial magnetic stimulation.<br>BioMedical Engineering OnLine, 2018, 17, 137.  | 1.3 | 6         |
| 599 | Non-linear Entropy Analysis in EEG to Predict Treatment Response to Repetitive Transcranial Magnetic<br>Stimulation in Depression. Frontiers in Pharmacology, 2018, 9, 1188.  | 1.6 | 17        |
| 600 | The strength and spread of the electric field induced by transcranial rotating permanent magnet stimulation in comparison with conventional transcranial magnetic stimulation. Journal of Neuroscience Methods, 2018, 309, 153-160. | 1.3 | 17        |
| 601 | A Cortical Pathogenic Theory of Parkinson's Disease. Neuron, 2018, 99, 1116-1128.   | 3.8 | 108       |
| 602 | Smoking Cessation With 20 Hz Repetitive Transcranial Magnetic Stimulation (rTMS) Applied to Two<br>Brain Regions: A Pilot Study. Frontiers in Human Neuroscience, 2018, 12, 344.  | 1.0 | 25        |
| 603 | Studying Implicit Social Cognition with Noninvasive Brain Stimulation. Trends in Cognitive Sciences, 2018, 22, 1050-1066.   | 4.0 | 18        |
| 604 | Transcranial magnetic stimulation in obsessive-compulsive disorder: A focus on network mechanisms and state dependence. NeuroImage: Clinical, 2018, 19, 661-674.  | 1.4 | 47        |
| 605 | Repetitive transcranial magnetic stimulation for chronic neuropathic pain in patients with bladder pain syndrome/interstitial cystitis. Neurourology and Urodynamics, 2018, 37, 2678-2687.  | 0.8 | 34        |
| 606 | Case series investigating the cortical silent period after burns using transcranial magnetic stimulation. Burns, 2018, 44, 1195-1202.   | 1.1 | 5         |
| 607 | Corticospinal and intracortical excitability differ between athletes early after ACLR and matched controls. Journal of Orthopaedic Research, 2018, 36, 2941-2948.   | 1.2 | 33        |
| 608 | Occupational exposure to electromagnetic fields from medical sources. Industrial Health, 2018, 56, 96-105.  | 0.4 | 42        |
| 609 | The effect of stimulation interval on plasticity following repeated blocks of intermittent theta burst stimulation. Scientific Reports, 2018, 8, 8526.  | 1.6 | 68        |
| 610 | Repetitive transcranial magnetic stimulation in patients with late life depression influences phenylalanine metabolism. Pteridines, 2018, 29, 87-90.  | 0.5 | 5         |
| 611 | Distributed cortical structural properties contribute to motor cortical excitability and inhibition.<br>Brain Structure and Function, 2018, 223, 3801-3812.   | 1.2 | 7         |
| 612 | Brain Stimulation in Alzheimer's Disease. Frontiers in Psychiatry, 2018, 9, 201.  | 1.3 | 98        |
| 613 | The effects of aging on cortico-spinal excitability and motor memory consolidation. Neurobiology of Aging, 2018, 70, 254-264.   | 1.5 | 12        |

|     |   | CITATION REPORT |    |          |
|-----|---|-----------------|----|----------|
| #   | ARTICLE<br>Repetitive Transcranial Magnetic Stimulation for Limb-Kinetic Apraxia in Parkinson's Dis | ease. Journal   | IF | CITATION |
| 011 |   |                 |    |          |
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|     |   | CITATION R                 | EPORT |           |
|-----|---|----------------------------|-------|-----------|
| #   | Article   |                            | IF    | CITATIONS |
| 632 | Typical Electrode Configuration Analysis for Temporally Interfering Deep Brain Stimulation*.  | ,2019,,.                   |       | 1         |
| 633 | Combining nonâ€invasive brain stimulation with functional magnetic resonance imaging to the neural substrates of cognitive aging. Journal of Neuroscience Research, 2022, 100, 1159   | investigate<br>9-1170.     | 1.3   | 16        |
| 634 | Effects of repetitive transcranial magnetic stimulation (rTMS) on craving and substance con<br>in patients with substance dependence: a systematic review and metaâ€analysis. Addiction,<br>2137-2149.                          | sumption<br>2019, 114,     | 1.7   | 69        |
| 635 | The Effects of Stimulator, Waveform, and Current Direction on Intracortical Inhibition and Facilitation: A TMS Comparison Study. Frontiers in Neuroscience, 2019, 13, 703.  |                            | 1.4   | 24        |
| 636 | Treatment of patients with geriatric depression with repetitive transcranial magnetic stimula Journal of Neural Transmission, 2019, 126, 1105-1110.   | ation.                     | 1.4   | 13        |
| 637 | How Can Transcranial Magnetic Stimulation Be Used to Modulate Episodic Memory?: A Syst<br>Review and Meta-Analysis. Frontiers in Psychology, 2019, 10, 993.   | ematic                     | 1.1   | 20        |
| 638 | A multichannel magnetic stimulation system using submillimeter-sized coils: system develop experimental application to rodent brain <i>in vivo</i> . Journal of Neural Engineering, 2019,                                       | oment and<br>, 16, 066014. | 1.8   | 19        |
| 639 | TMS as a pharmacodynamic indicator of cortical activity of a novel antiâ€epileptic drug, XEN of Clinical and Translational Neurology, 2019, 6, 2164-2174.   | N1101. Annals              | 1.7   | 21        |
| 640 | Atomic‣cale Visualization of the Stepwise Metalâ€Mediated Dehalogenative Cycloadditic<br>Pathways: Competition between Radicals and Organometallic Intermediates. Angewandte C<br>International Edition, 2019, 58, 17736-17744. | on Reaction<br>Chemie -    | 7.2   | 26        |
| 641 | Effects of repetitive transcranial magnetic stimulation on nicotine consumption and craving systematic review. Psychiatry Research, 2019, 281, 112562.  | : A                        | 1.7   | 32        |
| 642 | Aftereffects of Intermittent Theta-Burst Stimulation in Adjacent, Non-Target Muscles. Neuro 2019, 418, 157-165.   | iscience,                  | 1.1   | 5         |
| 643 | What is the effect of bodily illusions on corticomotoneuronal excitability? A systematic revie<br>ONE, 2019, 14, e0219754.  | ew. PLoS                   | 1.1   | 14        |
| 644 | MRI-based visualization of rTMS-induced cortical plasticity in the primary motor cortex. PLoS 2019, 14, e0224175.   | S ONE,                     | 1.1   | 16        |
| 645 | Phase of sensorimotor μâ€oscillation modulates cortical responses to transcranial magnet stimulation of the human motor cortex. Journal of Physiology, 2019, 597, 5671-5686.  | ic                         | 1.3   | 44        |
| 646 | Accelerated Intermittent Theta-Burst Stimulation as a Treatment for Cocaine Use Disorder:<br>Proof-of-Concept Study. Frontiers in Neuroscience, 2019, 13, 1147.   | 4                          | 1.4   | 37        |
| 647 | Single Session Transcranial Magnetic Stimulation Ameliorates Hand Gesture Deficits in Schiz<br>Schizophrenia Bulletin, 2020, 46, 286-293.   | zophrenia.                 | 2.3   | 29        |
| 648 | Brain State-dependent Brain Stimulation with Real-time Electroencephalography-Triggered<br>Transcranial Magnetic Stimulation. Journal of Visualized Experiments, 2019, , .  |                            | 0.2   | 17        |
| 649 | EPI distortion correction for concurrent human brain stimulation and imaging at 3T. Journal Neuroscience Methods, 2019, 327, 108400.  | of                         | 1.3   | 7         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 650 | Sonomagnetic Stimulation of Live Cells: Electrophysiologic, Biochemical and Behavioral Responses.<br>Ultrasound in Medicine and Biology, 2019, 45, 2970-2983.  | 0.7 | 2         |
| 651 | The Causal Role of the Lateral Prefrontal Cortex for Task-order Coordination in Dual-task Situations:<br>A Study with Transcranial Magnetic Stimulation. Journal of Cognitive Neuroscience, 2019, 31, 1840-1856.                       | 1.1 | 13        |
| 652 | VETA: An Open-Source Matlab-Based Toolbox for the Collection and Analysis of Electromyography Combined With Transcranial Magnetic Stimulation. Frontiers in Neuroscience, 2019, 13, 975.   | 1.4 | 9         |
| 653 | Introducing a Novel Approach for Evaluation and Monitoring of Brain Health Across Life Span Using<br>Direct Non-invasive Brain Network Electrophysiology. Frontiers in Aging Neuroscience, 2019, 11, 248.                              | 1.7 | 5         |
| 654 | Modulation of Neural Activity for Myelination in the Central Nervous System. Frontiers in Neuroscience, 2019, 13, 952.   | 1.4 | 17        |
| 655 | Transcranial magnetic stimulation: Neurophysiological and clinical applications. Handbook of<br>Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 163, 73-92.   | 1.0 | 75        |
| 656 | Clinical utility and prospective of TMS–EEG. Clinical Neurophysiology, 2019, 130, 802-844.   | 0.7 | 276       |
| 657 | Investigating the effect of anticipating a startling acoustic stimulus on preparatory inhibition.<br>Neurophysiologie Clinique, 2019, 49, 137-147.   | 1.0 | 13        |
| 658 | Principles of Transcranial Direct Current Stimulation (tDCS): Introduction to the Biophysics of tDCS. , 2019, , 45-80.   |     | 12        |
| 659 | Transcranial Magnetic and Direct Current Stimulation (TMS/tDCS) for the Treatment of Headache: A<br>Systematic Review. Headache, 2019, 59, 339-357.  | 1.8 | 67        |
| 660 | Examining the Interactions Between Expectations and tDCS Effects on Motor and Cognitive Performance. Frontiers in Neuroscience, 2019, 12, 999.   | 1.4 | 19        |
| 661 | Boosting the effect of reward on cognitive control using TMS over the left IFJ. Neuropsychologia, 2019, 125, 109-115.  | 0.7 | 4         |
| 662 | Corticobasal syndrome: neuroimaging and neurophysiological advances. European Journal of<br>Neurology, 2019, 26, 701.  | 1.7 | 17        |
| 663 | Linking invasive and noninvasive neuromodulation techniques to study network properties of the brain. Clinical Neurophysiology, 2019, 130, 548-549.  | 0.7 | 0         |
| 664 | Neural effects of transcranial magnetic stimulation at the single-cell level. Nature Communications, 2019, 10, 2642.   | 5.8 | 127       |
| 665 | Age, Height, and Sex on Motor Evoked Potentials: Translational Data From a Large Italian Cohort in a<br>Clinical Environment. Frontiers in Human Neuroscience, 2019, 13, 185.  | 1.0 | 51        |
| 666 | Noninvasive Brain Stimulation for Rehabilitation of Pediatric Motor Disorders Following Brain<br>Injury: Systematic Review of Randomized Controlled Trials. Archives of Physical Medicine and<br>Rehabilitation, 2019, 100, 1945-1963. | 0.5 | 20        |
| 667 | First Steps Towards Understanding How Non-Invasive Magnetic Stimulation Affects Neural Firing at Spinal Cord. , 2019, , .  |     | 0         |

| #   | Article  | IF  | Citations |
|-----|--|-----|-----------|
| 668 | Therapeutic non-invasive brain stimulation in amyotrophic lateral sclerosis: rationale, methods and experience. Journal of Neurology, Neurosurgery and Psychiatry, 2019, 90, 1131-1138.  | 0.9 | 7         |
| 669 | Non-invasive Brain Stimulation in Pediatric Migraine: A Perspective From Evidence in Adult Migraine.<br>Frontiers in Neurology, 2019, 10, 364.   | 1.1 | 9         |
| 670 | Genetic influences on the variability of response to repetitive transcranial magnetic stimulation in human pharyngeal motor cortex. Neurogastroenterology and Motility, 2019, 31, e13612.  | 1.6 | 12        |
| 672 | No trace of phase: Corticomotor excitability is not tuned by phase of pericentral mu-rhythm. Brain<br>Stimulation, 2019, 12, 1261-1270.  | 0.7 | 70        |
| 673 | Obsessive compulsive disorder (OCD): Current treatments and a framework for neurotherapeutic research. Advances in Pharmacology, 2019, 86, 237-271.  | 1.2 | 5         |
| 674 | Effects of repetitive transcranial magnetic stimulation in combination with a low-carbohydrate diet in overweight or obese patients. A randomized controlled trial Obesity Medicine, 2019, 14, 100095.   | 0.5 | 3         |
| 675 | Repetitive transcranial magnetic stimulation (rTMS) using different TMS instruments for major depressive disorder at a suburban tertiary clinic. Mental Illness, 2019, 11, 7947.   | 0.8 | 6         |
| 676 | Test–Retest Reliability of the Effects of Continuous Theta-Burst Stimulation. Frontiers in<br>Neuroscience, 2019, 13, 447.   | 1.4 | 41        |
| 677 | The Association Between Reorganization of Bilateral M1 Topography and Function in Response to Early<br>Intensive Hand Focused Upper Limb Rehabilitation Following Stroke Is Dependent on Ipsilesional<br>Corticospinal Tract Integrity. Frontiers in Neurology, 2019, 10, 258. | 1.1 | 24        |
| 678 | Lowâ€intensity transcranial magnetic stimulation promotes the survival and maturation of newborn oligodendrocytes in the adult mouse brain. Glia, 2019, 67, 1462-1477.   | 2.5 | 55        |
| 679 | Circuit activity underlying a distinct modulator of prepulse inhibition. Psychiatry Research -<br>Neuroimaging, 2019, 288, 1-11.   | 0.9 | 6         |
| 680 | Multimodal Imaging of Repetitive Transcranial Magnetic Stimulation Effect on Brain Network: A<br>Combined Electroencephalogram and Functional Magnetic Resonance Imaging Study. Brain<br>Connectivity, 2019, 9, 311-321.   | 0.8 | 15        |
| 681 | No difference observed in short-interval intracortical inhibition in older burn-injury survivors compared to non-injured older adults: A pilot study. Burns, 2019, 45, 1131-1138.  | 1.1 | 3         |
| 682 | Prolonged Neuromodulation of Cortical Networks Following Low-Frequency rTMS and Its Potential for Clinical Interventions. Frontiers in Psychology, 2019, 10, 529.  | 1.1 | 10        |
| 683 | Bilateral Assessment of the Corticospinal Pathways of the Ankle Muscles Using Navigated<br>Transcranial Magnetic Stimulation. Journal of Visualized Experiments, 2019, , .   | 0.2 | 7         |
| 684 | Unmixing Oscillatory Brain Activity by EEG Source Localization and Empirical Mode Decomposition.<br>Computational Intelligence and Neuroscience, 2019, 2019, 1-15.   | 1.1 | 13        |
| 685 | The cognitive neuroscience of lucid dreaming. Neuroscience and Biobehavioral Reviews, 2019, 100, 305-323.  | 2.9 | 77        |
| 686 | Administration of Repetitive Transcranial Magnetic Stimulation Attenuates<br>A <i>β</i> <sub>1-42</sub> -Induced Alzheimer's Disease in Mice by Activating <i>β</i> -Catenin Signaling.<br>BioMed Research International, 2019, 2019, 1-8.                                     | 0.9 | 13        |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 687 | Acute and Post-acute Neuromodulation Induces Stroke Recovery by Promoting Survival Signaling,<br>Neurogenesis, and Pyramidal Tract Plasticity. Frontiers in Cellular Neuroscience, 2019, 13, 144.               | 1.8 | 52        |
| 688 | Combining attentional bias modification with dorsolateral prefrontal rTMS does not attenuate maladaptive attentional processing. Scientific Reports, 2019, 9, 1168.   | 1.6 | 5         |
| 689 | A Critical Review and Synthesis of Clinical and Neurocognitive Effects of Noninvasive<br>Neuromodulation Antidepressant Therapies. Focus (American Psychiatric Publishing), 2019, 17, 18-29.                    | 0.4 | 15        |
| 690 | Novel Neuromodulatory Approaches for Depression: Neurobiological Mechanisms. , 2019, , 347-360.   |     | 3         |
| 691 | Low- and High-Frequency Repetitive Transcranial Magnetic Stimulation Effects on Resting-State<br>Functional Connectivity Between the Postcentral Gyrus and the Insula. Brain Connectivity, 2019, 9,<br>322-328. | 0.8 | 15        |
| 692 | Accelerated transcranial magnetic stimulation for the treatment of Patients with depression: A review. Asian Journal of Psychiatry, 2019, 40, 71-75.  | 0.9 | 10        |
| 693 | Overview of the cholinergic contribution to gait, balance and falls in Parkinson's disease.<br>Parkinsonism and Related Disorders, 2019, 63, 20-30.   | 1.1 | 49        |
| 694 | Repetitive transcranial magnetic stimulation (rTMS) using different TMS instruments for major depressive disorder at a suburban tertiary clinic. Mental Illness, 2019, 11, 1-8.                                 | 0.8 | 0         |
| 695 | Individual differences of maladaptive brain changes in migraine and their relationship with differential effectiveness of treatments. Brain Science Advances, 2019, 5, 239-255.                                 | 0.3 | 7         |
| 696 | Altered Topological Organization in the Sensorimotor Network After Application of Different<br>Frequency rTMS. Frontiers in Neuroscience, 2019, 13, 1377.   | 1.4 | 4         |
| 697 | Non-invasive brain stimulation therapies. , 2019, 98, 279-289.  | 0.0 | 1         |
| 698 | Longitudinal assessment of 1H-MRS (GABA and Glx) and TMS measures of cortical inhibition and facilitation in the sensorimotor cortex. Experimental Brain Research, 2019, 237, 3461-3474.                        | 0.7 | 17        |
| 699 | State-Dependent Entrainment of Prefrontal Cortex Local Field Potential Activity Following Patterned Stimulation of the Cerebellar Vermis. Frontiers in Systems Neuroscience, 2019, 13, 60.                      | 1.2 | 9         |
| 700 | Tensor decomposition of TMS-induced EEG oscillations reveals data-driven profiles of antiepileptic drug effects. Scientific Reports, 2019, 9, 17057.  | 1.6 | 8         |
| 701 | Lasting Effects of Low-Frequency Repetitive Transcranial Magnetic Stimulation in Writer's Cramp: A<br>Case Report. Frontiers in Human Neuroscience, 2019, 13, 314.  | 1.0 | 4         |
| 702 | The Effects of Repetitive Transcranial Magnetic Stimulation in Reducing Cocaine Craving and Use.<br>Addictive Disorders and Their Treatment, 2019, 18, 212-222.   | 0.5 | 4         |
| 703 | Effects of rhythmic auditory cueing on stepping in place in patients with Parkinson's disease. Medicine (United States), 2019, 98, e17874.  | 0.4 | 10        |
| 704 | Repetitive Transcranial Magnetic Stimulation in the Treatment of a Difficult to Treat Condition,<br>Borderline Personality Disorder, Journal of Psychiatric Practice, 2019, 25, 14-21,                          | 0.3 | 8         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 705 | Effect of Theta Transcranial Alternating Current Stimulation and Phase-Locked Transcranial Pulsed Current Stimulation on Learning and Cognitive Control. Frontiers in Neuroscience, 2019, 13, 1181.                 | 1.4 | 12        |
| 707 | Regenerative injection therapy and repetitive transcranial magnetic stimulation in primary<br>fibromyalgia treatment: A comparative study. Journal of Back and Musculoskeletal Rehabilitation,<br>2019, 32, 55-62.  | 0.4 | 4         |
| 708 | Neural correlates of cue―and stressâ€induced craving in gambling disorders: implications for<br>transcranial magnetic stimulation interventions. European Journal of Neuroscience, 2019, 50,<br>2370-2383.          | 1.2 | 11        |
| 709 | Effects of Acoustic Paired Associative Stimulation on Late Auditory Evoked Potentials. Brain Topography, 2019, 32, 343-353.   | 0.8 | 9         |
| 710 | Gender does not matter: Add-on repetitive transcranial magnetic stimulation treatment for female<br>methamphetamine dependents. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2019,<br>92, 70-75. | 2.5 | 36        |
| 711 | Computational modeling of a single-element transcranial focused ultrasound transducer for subthalamic nucleus stimulation. Journal of Neural Engineering, 2019, 16, 026015.   | 1.8 | 23        |
| 712 | Abnormalities in the evoked frontal oscillatory activity of first-episode psychosis: A TMS/EEG study.<br>Schizophrenia Research, 2019, 206, 436-439.  | 1.1 | 22        |
| 713 | Electrically Small Dipole Antenna Probe for Quasistatic Electric Field Measurements in Transcranial<br>Magnetic Stimulation. IEEE Transactions on Magnetics, 2019, 55, 1-10.  | 1.2 | 8         |
| 714 | A Comprehensive Review of Dorsomedial Prefrontal Cortex rTMS Utilizing a Double Cone Coil.<br>Neuromodulation, 2019, 22, 851-866.   | 0.4 | 28        |
| 715 | Advances and Challenges in Transcranial Magnetic Stimulation (TMS) Research on Motor Systems. , 2019, , 283-318.  |     | 2         |
| 716 | Noninvasive brain stimulation in psychiatric disorders: a primer. Revista Brasileira De Psiquiatria, 2019,<br>41, 70-81.  | 0.9 | 112       |
| 717 | Mapping Structure-Function Relationships in theÂBrain. Biological Psychiatry: Cognitive Neuroscience<br>and Neuroimaging, 2019, 4, 510-521.   | 1.1 | 11        |
| 718 | Challenges of differential placebo effects in contemporary medicine: The example of brain stimulation.<br>Annals of Neurology, 2019, 85, 12-20.   | 2.8 | 51        |
| 719 | Lack of effect of transcranial direct current stimulation (tDCS) on short-term smoking cessation:<br>Results of a randomized, sham-controlled clinical trial. Drug and Alcohol Dependence, 2019, 194,<br>244-251.   | 1.6 | 18        |
| 720 | Sensorimotor Oscillatory Phase–Power Interaction Gates Resting Human Corticospinal Output.<br>Cerebral Cortex, 2019, 29, 3766-3777.   | 1.6 | 59        |
| 721 | Effects of deep brain stimulation on the primary motor cortex: Insights from transcranial magnetic stimulation studies. Clinical Neurophysiology, 2019, 130, 558-567.   | 0.7 | 15        |
| 722 | Noninvasive brain stimulation for behavioural and psychological symptoms of dementia: A systematic review and metaâ€analysis. International Journal of Geriatric Psychiatry, 2019, 34, 1336-1345.                   | 1.3 | 33        |
| 723 | Reduced brain entropy by repetitive transcranial magnetic stimulation on the left dorsolateral prefrontal cortex in healthy young adults. Brain Imaging and Behavior, 2019, 13, 421-429.                            | 1.1 | 18        |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 724 | Non-invasive brain stimulation to enhance cognitive rehabilitation after stroke. Neuroscience Letters, 2020, 719, 133678.   | 1.0 | 36        |
| 725 | Understanding time perception through non-invasive brain stimulation techniques: A review of studies. Behavioural Brain Research, 2020, 377, 112232.  | 1.2 | 37        |
| 726 | A systematic review and meta-analysis of rTMS effects on cognitive enhancement in mild cognitive impairment and Alzheimer's disease. Neurobiology of Aging, 2020, 86, 1-10.   | 1.5 | 153       |
| 727 | Is accelerated, high-dose theta burst stimulation a panacea for treatment-resistant depression?.<br>Journal of Neurophysiology, 2020, 123, 1-3.   | 0.9 | 19        |
| 728 | A differential role for the posterior cerebellum in the adaptive control of convergence eye movements. Brain Stimulation, 2020, 13, 215-228.  | 0.7 | 7         |
| 730 | Transcranial magnetic stimulation demonstrates a role for the ventrolateral prefrontal cortex in emotion perception. Psychiatry Research, 2020, 284, 112515.  | 1.7 | 15        |
| 731 | Transcranial magnetic stimulation: Emerging biomarkers and novel therapeutics in Alzheimer's<br>disease. Neuroscience Letters, 2020, 719, 134355.   | 1.0 | 23        |
| 732 | Repetitive Transcranial Magnetic Stimulation Delivered With an Hâ€Coil to the Right Insula Reduces<br>Functional Connectivity Between Insula and Medial Prefrontal Cortex. Neuromodulation, 2020, 23,<br>384-392.                       | 0.4 | 5         |
| 733 | Toward the establishment of neurophysiological indicators for neuropsychiatric disorders using<br>transcranial magnetic stimulationâ€evoked potentials: A systematic review. Psychiatry and Clinical<br>Neurosciences, 2020, 74, 12-34. | 1.0 | 24        |
| 734 | Priming Effects of Water Immersion on Paired Associative Stimulation-Induced Neural Plasticity in the<br>Primary Motor Cortex. International Journal of Environmental Research and Public Health, 2020, 17,<br>215.                     | 1.2 | 5         |
| 735 | Cortical Excitability by Transcranial Magnetic Stimulation as Biomarkers for Seizure Controllability<br>in Temporal Lobe Epilepsy. Neuromodulation, 2020, 23, 399-406.  | 0.4 | 3         |
| 736 | The Psychopharmacology of Obsessive-Compulsive Disorder: A Preclinical Roadmap. Pharmacological<br>Reviews, 2020, 72, 80-151.   | 7.1 | 29        |
| 737 | The Role of the Cerebellum in Degenerative Ataxias and Essential Tremor: Insights From Noninvasive<br>Modulation of Cerebellar Activity. Movement Disorders, 2020, 35, 215-227.   | 2.2 | 45        |
| 738 | The effects of repetitive transcranial magnetic stimulation on the cognition and neuronal excitability of mice. Electromagnetic Biology and Medicine, 2020, 39, 9-19.   | 0.7 | 9         |
| 739 | Modeling cell-autonomous motor neuron phenotypes in ALS using iPSCs. Neurobiology of Disease,<br>2020, 134, 104680.   | 2.1 | 55        |
| 740 | Inhibitory Repetitive Transcranial Magnetic Stimulation to Treat Psychomotor Slowing: A<br>Transdiagnostic, Mechanism-Based Randomized Double-Blind Controlled Trial. Schizophrenia Bulletin<br>Open, 2020, 1, .                        | 0.9 | 27        |
| 741 | Corticospinal activity during a single-leg stance in people with chronic ankle instability. Journal of<br>Sport and Health Science, 2022, 11, 58-66.  | 3.3 | 16        |
| 742 | Cortical and Subcortical Neural Interactions Between Trunk and Upper-limb Muscles in Humans. Neuroscience, 2020, 451, 126-136.  | 1.1 | 5         |

| #   | Article   | IF  | Citations |
|-----|---|-----|-----------|
| 743 | Good test–retest reliability of a paired-pulse transcranial magnetic stimulation protocol to measure short-interval intracortical facilitation. Experimental Brain Research, 2020, 238, 2711-2723.                                  | 0.7 | 7         |
| 744 | Can Operant Conditioning of EMG-Evoked Responses Help to Target Corticospinal Plasticity for<br>Improving Motor Function in People With Multiple Sclerosis?. Frontiers in Neurology, 2020, 11, 552.                                 | 1.1 | 2         |
| 745 | How to Design Optimal Accelerated rTMS Protocols Capable of Promoting Therapeutically Beneficial Metaplasticity. Frontiers in Neurology, 2020, 11, 599918.  | 1.1 | 26        |
| 746 | Preoperative Transcranial Direct Current Stimulation in Glioma Patients: A Proof of Concept Pilot<br>Study. Frontiers in Neurology, 2020, 11, 593950.   | 1.1 | 12        |
| 747 | Numerical Analysis of Microcoilâ€Induced Electric Fields and Evaluation of <i>In vivo</i> Magnetic<br>Stimulation of the Mouse Brain. IEEJ Transactions on Electrical and Electronic Engineering, 2020, 15,<br>1672-1680.           | 0.8 | 4         |
| 748 | Integration of Convergent Sensorimotor Inputs Within Spinal Reflex Circuits in Healthy Adults.<br>Frontiers in Human Neuroscience, 2020, 14, 592013.  | 1.0 | 2         |
| 749 | Neuromodulatory Interventions for Traumatic Brain Injury. Journal of Head Trauma Rehabilitation, 2020, 35, 365-370.   | 1.0 | 9         |
| 750 | Targeting neuroplasticity in patients with neurodegenerative diseases using brain stimulation techniques. Translational Neurodegeneration, 2020, 9, 44.   | 3.6 | 14        |
| 751 | Interlimb neural interactions in corticospinal and spinal reflex circuits during preparation and execution of isometric elbow flexion. Journal of Neurophysiology, 2020, 124, 652-667.  | 0.9 | 9         |
| 752 | Epileptic Seizure Detection and Experimental Treatment: A Review. Frontiers in Neurology, 2020, 11, 701.  | 1.1 | 30        |
| 753 | Weak rTMS-induced electric fields produce neural entrainment in humans. Scientific Reports, 2020, 10,<br>11994.   | 1.6 | 39        |
| 754 | Is bilateral corticospinal connectivity impaired in patients with chronic obstructive pulmonary disease?. Journal of Physiology, 2020, 598, 4591-4602.  | 1.3 | 3         |
| 755 | Transcranial magnetic stimulation over the dorsolateral prefrontal cortex affects emotional<br>processing: accounting for individual differences in antisocial behavior. Journal of Experimental<br>Criminology, 2020, 16, 349-366. | 1.9 | 6         |
| 757 | Elite competitive swimmers exhibit higher motor cortical inhibition and superior sensorimotor skills in a water environment. Behavioural Brain Research, 2020, 395, 112835.   | 1.2 | 5         |
| 758 | Movement disorder and sensorimotor abnormalities in schizophrenia and other psychoses - European consensus on assessment and perspectives. European Neuropsychopharmacology, 2020, 38, 25-39.                                       | 0.3 | 37        |
| 759 | A M/EEG-fMRI Fusion Primer: Resolving Human Brain Responses in Space and Time. Neuron, 2020, 107, 772-781.  | 3.8 | 68        |
| 760 | Extinguishing Exogenous Attention via Transcranial Magnetic Stimulation. Current Biology, 2020, 30, 4078-4084.e3.   | 1.8 | 34        |
| 761 | Parallel fast and slow motor inhibition processes in Joint Action coordination. Cortex, 2020, 133, 346-357.   | 1.1 | 15        |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 762 | Effect of non-invasive brain stimulation on neuropathic pain following spinal cord injury. Medicine<br>(United States), 2020, 99, e21507.   | 0.4 | 14        |
| 763 | Measuring latency distribution of transcallosal fibers using transcranial magnetic stimulation. Brain Stimulation, 2020, 13, 1453-1460.   | 0.7 | 15        |
| 764 | Relations between large-scale brain connectivity and effects of regional stimulation depend on collective dynamical state. PLoS Computational Biology, 2020, 16, e1008144.  | 1.5 | 25        |
| 765 | A Compact Battery-Powered rTMS Prototype. , 2020, 2020, 3852-3855.  |     | 2         |
| 766 | Assessing differential effects of single and accelerated lowâ€frequency rTMS to the visual cortex on<br>GABA and glutamate concentrations. Brain and Behavior, 2020, 10, e01845.                                    | 1.0 | 8         |
| 767 | Concurrent Deep Brain Stimulation Reduces the Direct Cortical Stimulation Necessary for Motor<br>Output. Movement Disorders, 2020, 35, 2348-2353.   | 2.2 | 7         |
| 768 | Induction of LTD-like corticospinal plasticity by low-frequency rTMS depends on pre-stimulus phase of sensorimotor μ-rhythm. Brain Stimulation, 2020, 13, 1580-1587.  | 0.7 | 38        |
| 769 | Neurotechnologies as tools for cognitive rehabilitation in stroke patients. Expert Review of Neurotherapeutics, 2020, 20, 1249-1261.  | 1.4 | 10        |
| 770 | Non-invasive Brain Stimulation for Gambling Disorder: A Systematic Review. Frontiers in Neuroscience, 2020, 14, 729.  | 1.4 | 10        |
| 771 | A Causal Role of Area hMST for Self-Motion Perception in Humans. Cerebral Cortex Communications, 2020, 1, tgaa042.  | 0.7 | 7         |
| 772 | Evaluation of White Matter Integrity Utilizing the DELPHI (TMS-EEG) System. Frontiers in Neuroscience, 2020, 14, 589107.  | 1.4 | 5         |
| 773 | Transcutaneous spinal direct current stimulation shows no effect on paired stimulation suppression of the somatosensory cortex. Scientific Reports, 2020, 10, 22010.  | 1.6 | 1         |
| 774 | Transcranial Magnetic Stimulation-Induced Plasticity Mechanisms: TMS-Related Gene Expression and<br>Morphology Changes in a Human Neuron-Like Cell Model. Frontiers in Molecular Neuroscience, 2020,<br>13, 528396. | 1.4 | 17        |
| 775 | A retrospective analysis of bipolar depression treated with transcranial magnetic stimulation. Brain and Behavior, 2020, 10, e01805.  | 1.0 | 7         |
| 776 | "A systematic review of non-invasive neurostimulation for the treatment of depression during<br>pregnancy― Journal of Affective Disorders, 2020, 272, 259-268.  | 2.0 | 10        |
| 777 | Causal contributions of human frontal eye fields to distinct aspects of decision formation. Scientific Reports, 2020, 10, 7317.   | 1.6 | 9         |
| 778 | Interhemispheric symmetry of µ-rhythm phase-dependency of corticospinal excitability. Scientific<br>Reports, 2020, 10, 7853.  | 1.6 | 9         |
| 779 | Near-Infrared Light Increases Functional Connectivity with a Non-thermal Mechanism. Cerebral Cortex Communications, 2020, 1, tgaa004.   | 0.7 | 22        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 780 | Transcranial Magnetic Stimulation–Induced Motor Evoked Potentials in Hirayama Disease: Systematic<br>Review of the Literature. Journal of Clinical Neurophysiology, 2020, 37, 181-190.               | 0.9 | 1         |
| 781 | Experimental evaluation of methods for real-time EEG phase-specific transcranial magnetic stimulation. Journal of Neural Engineering, 2020, 17, 046002.  | 1.8 | 23        |
| 782 | Altered activation in sensorimotor network after applying rTMS over the primary motor cortex at different frequencies. Brain and Behavior, 2020, 10, e01670.   | 1.0 | 7         |
| 783 | Transcranial Magnetic Stimulation as Treatment for Mal de Debarquement Syndrome: Case Report and<br>Literature Review. Cognitive and Behavioral Neurology, 2020, 33, 145-153.                        | 0.5 | 5         |
| 784 | The study of noninvasive brain stimulation using molecular brain imaging: A systematic review.<br>NeuroImage, 2020, 219, 117023.   | 2.1 | 18        |
| 785 | Trends of Repetitive Transcranial Magnetic Stimulation From 2009 to 2018: A Bibliometric Analysis.<br>Frontiers in Neuroscience, 2020, 14, 106.  | 1.4 | 34        |
| 786 | Brain-computer interfaces in neurologic rehabilitation practice. Handbook of Clinical Neurology /<br>Edited By P J Vinken and G W Bruyn, 2020, 168, 101-116.   | 1.0 | 43        |
| 787 | Cortical Excitability, Synaptic Plasticity, and Cognition in Benign Epilepsy With Centrotemporal Spikes:<br>A Pilot TMS-EMG-EEG Study. Journal of Clinical Neurophysiology, 2020, 37, 170-180.       | 0.9 | 15        |
| 788 | Timing of Modulation of Corticospinal Excitability by Heartbeat Differs with Interoceptive Accuracy.<br>Neuroscience, 2020, 433, 156-162.  | 1.1 | 1         |
| 789 | rTMS-Induced Changes in Glutamatergic and Dopaminergic Systems: Relevance to Cocaine and Methamphetamine Use Disorders. Frontiers in Neuroscience, 2020, 14, 137.                                    | 1.4 | 47        |
| 790 | 264-channel high-performance magnetic field detection system for transcranial magnetic stimulation<br>(TMS). Measurement: Journal of the International Measurement Confederation, 2020, 164, 107931. | 2.5 | 6         |
| 791 | Influence of preceding muscle activity on movement-related cortical potential during superimposed ballistic contraction. Neuroscience Letters, 2020, 735, 135193.                                    | 1.0 | 2         |
| 792 | Deficits in corticospinal control of stretch reflex thresholds in stroke: Implications for motor impairment. Clinical Neurophysiology, 2020, 131, 2067-2078.   | 0.7 | 15        |
| 793 | The effects of repetitive transcranial magnetic stimulation on cue-induced craving in male patients with heroin use disorder. EBioMedicine, 2020, 56, 102809.  | 2.7 | 32        |
| 794 | Pilot study of repetitive transcranial magnetic stimulation in patients with chemotherapy-induced peripheral neuropathy. Journal of Clinical Neuroscience, 2020, 73, 101-107.                        | 0.8 | 9         |
| 795 | Spectral F Test for detecting TMS/EEG responses. Biomedical Signal Processing and Control, 2020, 58, 101840.   | 3.5 | 0         |
| 796 | New era of optogenetics: from the central to peripheral nervous system. Critical Reviews in<br>Biochemistry and Molecular Biology, 2020, 55, 1-16.   | 2.3 | 19        |
| 797 | Translational Neuroscience of Speech and Language Disorders. Contemporary Clinical Neuroscience, 2020, , .   | 0.3 | 3         |

| #   | Article  | IF   | CITATIONS |
|-----|--|------|-----------|
| 798 | The Utility of Diffusion Tensor Imaging in Neuromodulation: Moving Beyond Conventional Magnetic Resonance Imaging. Neuromodulation, 2020, 23, 427-435.   | 0.4  | 5         |
| 799 | Is Transcranial Direct Current Stimulation (tDCS) Effective for the Treatment of Pain in Fibromyalgia?<br>A Systematic Review and Meta-Analysis. Journal of Pain, 2020, 21, 1085-1100.   | 0.7  | 56        |
| 800 | Two-week rTMS-induced neuroimaging changes measured with fMRI in depression. Journal of Affective Disorders, 2020, 270, 15-21.   | 2.0  | 38        |
| 801 | Neurostimulation techniques to enhance sleep and improve cognition in aging. Neurobiology of Disease, 2020, 141, 104865.   | 2.1  | 42        |
| 802 | Neuronavigated 1 Hz rTMS of the left angular gyrus combined with visuospatial therapy in post-stroke neglect. NeuroRehabilitation, 2020, 46, 83-93.  | 0.5  | 6         |
| 803 | The Potential Role of Neurophysiology in the Management of Multiple Sclerosis-Related Fatigue.<br>Frontiers in Neurology, 2020, 11, 251.   | 1.1  | 20        |
| 804 | Continuous Theta-Burst Stimulation in Children With High-Functioning Autism Spectrum Disorder and Typically Developing Children. Frontiers in Integrative Neuroscience, 2020, 14, 13.  | 1.0  | 18        |
| 805 | Implication of the ipsilateral motor network in unilateral voluntary muscle contraction: the cross-activation phenomenon. Journal of Neurophysiology, 2020, 123, 2090-2098.  | 0.9  | 16        |
| 806 | Transcranial magnetic stimulation and functional magnet resonance imaging evaluation of adductor spasmodic dysphonia during phonation. Brain Stimulation, 2020, 13, 908-915.   | 0.7  | 14        |
| 807 | Repetitive transcranial magnetic stimulation in traumatic brain injury: Evidence from animal and human studies. Brain Research Bulletin, 2020, 159, 44-52.   | 1.4  | 21        |
| 808 | Electronic neural interfaces. Nature Electronics, 2020, 3, 191-200.  | 13.1 | 105       |
| 809 | Spherical Array System for High-Precision Transcranial Ultrasound Stimulation and Optoacoustic<br>Imaging in Rodents. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68,<br>107-115.                     | 1.7  | 15        |
| 810 | Is twice daily LF-rTMS a viable treatment option for treatment-resistant OCD? Results from an open-label feasibility study. European Archives of Psychiatry and Clinical Neuroscience, 2021, 271, 211-214.                               | 1.8  | 5         |
| 811 | A Novel High-Density Electromyography Probe for Evaluating Anorectal Neurophysiology: Design,<br>Human Feasibility Study, and Validation with Trans-Sacral Magnetic Stimulation. Annals of Biomedical<br>Engineering, 2021, 49, 502-514. | 1.3  | 4         |
| 812 | Peripheral stimulation affects subthreshold Triple Stimulation Technique. Journal of Neuroscience<br>Methods, 2021, 347, 108959.   | 1.3  | 2         |
| 813 | Decreased neuroplasticity in minor burn injury survivors compared to non-injured adults: A pilot study in burn injury survivors aged 45 years and older. Burns, 2021, 47, 327-337.   | 1.1  | 3         |
| 814 | Probing drug-evoked cortical plasticity with brain stimulation: A call for translation from animal to human medical research. Pharmacological Research, 2021, 163, 105338.   | 3.1  | 3         |
| 815 | Beyond the neural correlates of consciousness: using brain stimulation to elucidate causal mechanisms underlying conscious states and contents. Journal of the Royal Society of New Zealand, 2021, 51, 143-170.                          | 1.0  | 3         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 816 | Transcranial alternating current stimulation (tACS): from basic mechanisms towards first<br>applications in psychiatry. European Archives of Psychiatry and Clinical Neuroscience, 2021, 271, 135-156. | 1.8 | 101       |
| 817 | Modeling motor-evoked potentials from neural field simulations of transcranial magnetic stimulation. Clinical Neurophysiology, 2021, 132, 412-428.   | 0.7 | 10        |
| 818 | Structural correlates underlying accelerated magnetic stimulation in Parkinson's disease. Human<br>Brain Mapping, 2021, 42, 1670-1681.   | 1.9 | 23        |
| 819 | Non-Invasive Brain Stimulation Does Not Improve Working Memory in Schizophrenia: A Meta-Analysis of Randomised Controlled Trials. Neuropsychology Review, 2021, 31, 115-138.                           | 2.5 | 23        |
| 820 | Increased Cortical Excitability in Female Migraineurs: A Transcranial Magnetic Stimulation Study   |     |           |
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|     |  |     |           |
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ARTICLE IF CITATIONS Motor control., 2021, , 52-69.e5. 835 0 Better modulation for risk decisionâ€making after optimized magnetic stimulation. Journal of 1.3 Neuroscience Research, 2021, 99, 858-871. Real-Time Artifacts Reduction during TMS-EEG Co-Registration: A Comprehensive Review on 837 2.1 17 Technologies and Procedures. Sensors, 2021, 21, 637. Local Differences in Cortical Excitability – A Systematic Mapping Study of the TMS-Evoked N100 838 1.4 Component. Frontiers in Neuroscience, 2021, 15, 623692. Transcranial magnetic stimulation in exploring neurophysiology of cortical circuits and potential 839 0.4 2 clinical implications. Indian Journal of Physiology and Pharmacology, 0, 64, 244-257. Transcranial magnetic stimulation (TMS) and repetitive TMS in multiple sclerosis. Reviews in the Neurosciences, 2021, 32, 723-736. 840 1.4 Improvement in borderline personality disorder symptomatology after repetitive transcranial 841 magnetic stimulation of the dorsomedial prefrontal cortex: preliminary results. Revista Brasileira De 0.9 13 Psiquiatria, 2021, 43, 65-69. Neurobiological After-Effects of Low Intensity Transcranial Electric Stimulation of the Human 1.1 37 Nervous System: From Basic Mechanisms to Metaplasticity. Frontiers in Neurology, 2021, 12, 587771. Reliability of the TMS-conditioned monosynaptic reflex in the flexor carpi radialis muscle. 843 3 1.0 Neuroscience Letters, 2021, 745, 135622. TMS–EEG Co-Registration in Patients with Mild Cognitive Impairment, Alzheimer's Disease and Other 844 1.1 Dementias: A Systematic Review. Brain Sciences, 2021, 11, 303. State-of-the-art review: spinal and supraspinal responses to muscle potentiation in humans. European 845 7 1.2 Journal of Applied Physiology, 2021, 121, 1271-1282. Examining motor evoked potential amplitude and shortâ€interval intracortical inhibition on the upâ€going and downâ€going phases of a transcranial alternating current stimulation (tacs) imposed alpha oscillation. European Journal of Neuroscience, 2021, 53, 2755-2762. 847 1.2 Does sonification of action simulation training impact corticospinal excitability and audiomotor 849 0.7 6 plasticity?. Experimental Brain Research, 2021, 239, 1489-1505. Transient ultrasound stimulation has lasting effects on neuronal excitability. Brain Stimulation, 2021, 14, 217-225. Modulating brain networks associated with cognitive deficits in Parkinson's disease. Molecular 851 1.9 8 Medicine, 2021, 27, 24. Ethical and Legal Considerations of Alternative Neurotherapies. AJOB Neuroscience, 2021, 12, 257-269. Functional and Structural Connectivity Between the Left Dorsolateral Prefrontal Cortex and Insula 853 Could Predict the Antidepressant Effects of Repetitive Transcranial Magnetic Stimulation. Frontiers 1.4 17 in Neuroscience, 2021, 15, 645936. Facilitatory rTMS over the Supplementary Motor Cortex Impedes Gait Performance in Parkinson 854 1.1 Patients with Freezing of Gait. Brain Sciences, 2021, 11, 321.

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 855 | A doubleâ€blind shamâ€controlled phase 1 clinical trial of tDCS of the dorsolateral prefrontal cortex in cocaine inpatients: Craving, sleepiness, and contemplation to change. European Journal of Neuroscience, 2021, 53, 3212-3230.  | 1.2 | 11        |
| 856 | Continuous theta-burst stimulation modulates language-related inhibitory processes in bilinguals:<br>evidence from event-related potentials. Brain Structure and Function, 2021, 226, 1453-1466.                                       | 1.2 | 4         |
| 857 | Quantifying Physiological Biomarkers of a Microwave Brain Stimulation Device. Sensors, 2021, 21, 1896.   | 2.1 | 29        |
| 858 | Transcranial Random Noise Stimulation Acutely Lowers the Response Threshold of Human Motor<br>Circuits. Journal of Neuroscience, 2021, 41, 3842-3853.  | 1.7 | 18        |
| 859 | A Systematic Review on the Effect of Transcranial Direct Current and Magnetic Stimulation on Fear<br>Memory and Extinction. Frontiers in Human Neuroscience, 2021, 15, 655947.   | 1.0 | 25        |
| 861 | Neuromodulation-Based Stem Cell Therapy in Brain Repair: Recent Advances and Future Perspectives.<br>Neuroscience Bulletin, 2021, 37, 735-745.   | 1.5 | 12        |
| 862 | Left lateral parietal rTMS improves cognition and modulates resting brain connectivity in patients<br>with Alzheimer's disease: Possible role of BDNF and oxidative stress. Neurobiology of Learning and<br>Memory, 2021, 180, 107410. | 1.0 | 30        |
| 863 | Repetitive Transcranial Magnetic Stimulation for Adolescent Major Depressive Disorder: A Focus on Neurodevelopment. Frontiers in Psychiatry, 2021, 12, 642847.   | 1.3 | 8         |
| 865 | Repetitive Transcranial Magnetic Stimulation for Tinnitus Treatment in Vestibular Schwannoma: A<br>Pilot Study. Frontiers in Neurology, 2021, 12, 646014.  | 1.1 | 2         |
| 866 | Aprimoramento cognitivo: técnicas e controvérsias. Ethic@: an International Journal for Moral<br>Philosophy, 2021, 20, 57-87.  | 0.0 | 1         |
| 867 | Network-level macroscale structural connectivity predicts propagation of transcranial magnetic stimulation. Neurolmage, 2021, 229, 117698.   | 2.1 | 42        |
| 868 | Reduced Cerebellar Brain Inhibition Measured Using Dual-Site TMS in Older Than in Younger Adults.<br>Cerebellum, 2022, 21, 23-38.  | 1.4 | 9         |
| 870 | Comparing the electric fields of transcranial electric and magnetic perturbation. Journal of Neural Engineering, 2021, 18, 046067.   | 1.8 | 5         |
| 871 | The Ties That Bind: Aberrant Plasticity and Networks Dysfunction in Movement<br>Disorders—Implications for Rehabilitation. Brain Connectivity, 2021, 11, 278-296.  | 0.8 | 3         |
| 872 | Transcranial Magnetic Stimulation to Assess Exercise-Induced Neuroplasticity. Frontiers in Neuroergonomics, 2021, 2, .   | 0.6 | 5         |
| 873 | The influence of high-frequency repetitive transcranial magnetic stimulation on endogenous estrogen in patients with disorders of consciousness. Brain Stimulation, 2021, 14, 461-466.   | 0.7 | 18        |
| 874 | Prognosis of stroke upper limb recovery with physiological variables using regression tree ensembles. Journal of Neural Engineering, 2021, 18, 046057.   | 1.8 | 4         |
| 875 | Nonâ€pharmacological therapies for pain management in Parkinson's disease: A systematic review. Acta<br>Neurologica Scandinavica, 2021, 144, 115-131.<br>  | 1.0 | 17        |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 876 | Repetitive transcranial magnetic stimulation (rTMS) in bipolar disorder: A systematic review. Bipolar<br>Disorders, 2022, 24, 10-26.  | 1.1 | 17        |
| 877 | Non-invasive brain stimulation in limb praxis and apraxia: A scoping review in healthy subjects and patients with stroke. Cortex, 2021, 138, 152-164.   | 1.1 | 5         |
| 879 | Transcranial Magnetic Stimulation as a Diagnostic and Therapeutic Tool in Various Types of Dementia.<br>Journal of Clinical Medicine, 2021, 10, 2875.   | 1.0 | 14        |
| 880 | Downregulation of CD73/A2AR-Mediated Adenosine Signaling as a Potential Mechanism of<br>Neuroprotective Effects of Theta-Burst Transcranial Magnetic Stimulation in Acute Experimental<br>Autoimmune Encephalomyelitis. Brain Sciences, 2021, 11, 736.  | 1.1 | 12        |
| 881 | Heading for Personalized rTMS in Tinnitus: Reliability of Individualized Stimulation Protocols in<br>Behavioral and Electrophysiological Responses. Journal of Personalized Medicine, 2021, 11, 536.  | 1.1 | 5         |
| 882 | Intervention Effect of Non-Invasive Brain Stimulation on Cognitive Functions among People with Traumatic Brain Injury: A Systematic Review and Meta-Analysis. Brain Sciences, 2021, 11, 840.  | 1.1 | 11        |
| 883 | Changes in Corticospinal Circuits During Premovement Facilitation in Physiological Conditions.<br>Frontiers in Human Neuroscience, 2021, 15, 684013.  | 1.0 | 4         |
| 884 | Transcranial Magnetic Stimulation Over the Right Posterior Superior Temporal Sulcus Promotes the Feature Discrimination Processing. Frontiers in Human Neuroscience, 2021, 15, 663789.  | 1.0 | 1         |
| 886 | Efficacy of Repetitive Transcranial Magnetic Stimulation (rTMS) for Tinnitus: A Retrospective Study.<br>Ear, Nose and Throat Journal, 2021, , 014556132110168.  | 0.4 | 3         |
| 888 | Connectivity-Guided Theta Burst Transcranial Magnetic Stimulation Versus Repetitive Transcranial<br>Magnetic Stimulation for Treatment-Resistant Moderate to Severe Depression: Magnetic Resonance<br>Imaging Protocol and SARS-CoV-2–Induced Changes for a Randomized Double-blind Controlled Trial.<br>IMIR Research Protocols. 2022. 11. e31925. | 0.5 | 3         |
| 889 | Repetitive Transcranial Magnetic Stimulation in the Treatment of Alzheimer's Disease and Other Dementias. Healthcare (Switzerland), 2021, 9, 949.   | 1.0 | 5         |
| 890 | Modulation of motor cortical excitability by continuous theta-burst stimulation in adults with autism spectrum disorder. Clinical Neurophysiology, 2021, 132, 1647-1662.  | 0.7 | 6         |
| 891 | The modulation of emotional awareness using non-invasive brain stimulation techniques: a literature review on TMS and tDCS. Journal of Cognitive Psychology, 0, , 1-18.   | 0.4 | 2         |
| 892 | A scoping review of current non-pharmacological treatment modalities for phantom limb pain in limb amputees. Disability and Rehabilitation, 2022, 44, 5719-5740.  | 0.9 | 7         |
| 894 | Repetitive transcranial magnetic stimulation in the treatment of resistant depression: changes of specific neurotransmitter precursor amino acids. Journal of Neural Transmission, 2021, 128, 1225-1231.  | 1.4 | 14        |
| 895 | Transcranial direct current stimulation in Autism Spectrum Disorder: A systematic review and meta-analysis. European Neuropsychopharmacology, 2021, 48, 89-109.   | 0.3 | 33        |
| 896 | Therapeutic Neurostimulation in Obsessive-Compulsive and Related Disorders: A Systematic Review.<br>Brain Sciences, 2021, 11, 948.  | 1.1 | 32        |
| 897 | Transcranial magnetic stimulation indices of cortical excitability enhance the prediction of response to pharmacotherapy in late-life depression. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, , .   | 1.1 | 1         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 898 | rTMS induces analgesia and modulates neuroinflammation and neuroplasticity in neuropathic pain model rats. Brain Research, 2021, 1762, 147427.   | 1.1 | 16        |
| 900 | Cortical silent period reflects individual differences in action stopping performance. Scientific Reports, 2021, 11, 15158.  | 1.6 | 10        |
| 901 | Design and Demonstration <i>In Vitro</i> of a Mouse-Specific Transcranial Magnetic Stimulation Coil.<br>IEEE Transactions on Magnetics, 2021, 57, 1-11.  | 1.2 | 10        |
| 902 | Transcranial eddy current damping sensors for detection and imaging of hemorrhagic stroke:<br>feasibility in benchtop experimentation. Neurosurgical Focus, 2021, 51, E15.                                     | 1.0 | 3         |
| 903 | Interoception and Obsessive-Compulsive Disorder: A Review of Current Evidence and Future Directions. Frontiers in Psychiatry, 2021, 12, 686482.  | 1.3 | 8         |
| 904 | Transcranial direct current and transcranial magnetic stimulations for chronic pain. Current<br>Opinion in Anaesthesiology, 2021, Publish Ahead of Print, 781-785.   | 0.9 | 2         |
| 905 | PREDICTING CLINICAL RESPONSE TO TRANSCRANIAL MAGNETIC STIMULATION IN MAJOR DEPRESSION USING TIME-FREQUENCY EEG SIGNAL PROCESSING. Biomedical Engineering - Applications, Basis and Communications, 2021, 33, . | 0.3 | 9         |
| 906 | Corticospinal Motor Circuit Plasticity After Spinal Cord Injury: Harnessing Neuroplasticity to<br>Improve Functional Outcomes. Molecular Neurobiology, 2021, 58, 5494-5516.                                    | 1.9 | 17        |
| 907 | The Dual-Task Cost Is Due to Neural Interferences Disrupting the Optimal Spatio-Temporal Dynamics of the Competing Tasks. Frontiers in Behavioral Neuroscience, 2021, 15, 640178.                              | 1.0 | 5         |
| 908 | Current Review of Optical Neural Interfaces for Clinical Applications. Micromachines, 2021, 12, 925.   | 1.4 | 7         |
| 909 | The Central Mechanisms of Resistance Training and Its Effects on Cognitive Function. Sports Medicine, 2021, 51, 2483-2506.   | 3.1 | 20        |
| 910 | Brain Circuits Involved in the Development of Chronic Musculoskeletal Pain: Evidence From Non-invasive Brain Stimulation. Frontiers in Neurology, 2021, 12, 732034.  | 1.1 | 13        |
| 911 | A multimodal approach using TMS and EEG reveals neurophysiological changes in Parkinson's disease.<br>Parkinsonism and Related Disorders, 2021, 89, 28-33.   | 1.1 | 6         |
| 912 | The Effect of Sound and Stimulus Expectation on Transcranial Magnetic Stimulation-Elicited Motor<br>Evoked Potentials. Brain Topography, 2021, 34, 720-730.  | 0.8 | 5         |
| 913 | Human augmentation by wearable supernumerary robotic limbs: review and perspectives. Progress in<br>Biomedical Engineering, 2021, 3, 042005.   | 2.8 | 31        |
| 914 | Multi-scale modeling toolbox for single neuron and subcellular activity under Transcranial<br>Magnetic Stimulation. Brain Stimulation, 2021, 14, 1470-1482.  | 0.7 | 18        |
| 915 | High Frequency and Low Intensity Transcranial Magnetic Stimulation for Smoking Cessation. Journal of Addiction, 2021, 2021, 1-7.   | 0.9 | 1         |
| 916 | A reexamination of motor and prefrontal TMS in tobacco use disorder: Time for personalized dosing based on electric field modeling?. Clinical Neurophysiology, 2021, 132, 2199-2207.                           | 0.7 | 24        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 917 | Repetitive Transcranial Magnetic Stimulation (rTMS) Reverses the Long-term Memory Impairment and the Decrease of Hippocampal Interleukin-10 Levels, both Induced by Neuropathic Pain in Rats.<br>Neuroscience, 2021, 472, 51-59. | 1.1 | 2         |
| 918 | Translational considerations for the design of untethered nanomaterials in human neural stimulation. Brain Stimulation, 2021, 14, 1285-1297.   | 0.7 | 7         |
| 919 | Reduced SMAâ€M1 connectivity in older than younger adults measured using dualâ€site TMS. European<br>Journal of Neuroscience, 2021, 54, 6533-6552.   | 1.2 | 11        |
| 920 | Effects of repetitive transcranial magnetic stimulation on recovery in lower limb muscle strength and gait function following spinal cord injury: a randomized controlled trial. Spinal Cord, 2022, 60, 135-141.                 | 0.9 | 22        |
| 921 | Emerging of new bioartificial corticospinal motor synergies using a robotic additional thumb.<br>Scientific Reports, 2021, 11, 18487.  | 1.6 | 9         |
| 922 | TMS Bursts Can Modulate Local and Networks Oscillations During Lower-Limb Movement. Journal of Clinical Neurophysiology, 2023, 40, 371-377.  | 0.9 | 1         |
| 923 | Effects of Slow Oscillatory Transcranial Alternating Current Stimulation on Motor Cortical<br>Excitability Assessed by Transcranial Magnetic Stimulation. Frontiers in Human Neuroscience, 2021, 15,<br>726604.                  | 1.0 | 3         |
| 924 | Contribution of altered corticospinal microstructure to gait impairment in children with cerebral palsy. Clinical Neurophysiology, 2021, 132, 2211-2221.   | 0.7 | 1         |
| 925 | Test Re-test Reliability of Dual-site TMS Measures of SMA-M1 Connectivity Differs Across Inter-stimulus<br>Intervals in Younger and Older Adults. Neuroscience, 2021, 472, 11-24.  | 1.1 | 8         |
| 926 | Treating cocaine and opioid use disorder with transcranial magnetic stimulation: A path forward.<br>Pharmacology Biochemistry and Behavior, 2021, 209, 173240.   | 1.3 | 15        |
| 927 | Predictive models for response to non-invasive brain stimulation in stroke: A critical review of opportunities and pitfalls. Brain Stimulation, 2021, 14, 1456-1466.   | 0.7 | 9         |
| 928 | Reduced TMS-evoked fast oscillations in the motor cortex predict the severity of positive symptoms in first-episode psychosis. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 111, 110387.                | 2.5 | 2         |
| 929 | The effects of multi-day rTMS and cardiorespiratory fitness on working memory and local GABA concentration. NeuroImage Reports, 2021, 1, 100049.   | 0.5 | 2         |
| 930 | Transcranial Magnetic Stimulation: From Basic Mechanisms to Clinical Application for Addiction Medicine. , 2022, , 627-637.  |     | 1         |
| 932 | Determinants of Neural Plastic Changes Induced by Motor Practice. Frontiers in Human Neuroscience, 2021, 15, 613867.   | 1.0 | 0         |
| 933 | Noninvasive neuromodulatory approaches for bipolar disorder. , 2021, , 383-392.  |     | 0         |
| 934 | Non-invasive brain stimulation for improving cognitive function in people with dementia and mild cognitive impairment. The Cochrane Library, 0, , .  | 1.5 | 2         |
| 935 | Magnetic Stimulation of Neural Tissue: Techniques and System Design. Biological and Medical Physics Series, 2009, , 293-351.   | 0.3 | 12        |

| #        | ARTICLE  | IF  | CITATIONS |
|----------|--|-----|-----------|
| "<br>936 | Noninvasive Monitoring in the Neurointensive Care Unit: EEG, Oximetry, TCD. , 2013, , 109-126.   |     | 1         |
| 937      | Transcranial Magnetic Stimulation. , 2013, , 405-453.  |     | 3         |
| 938      | The Cerebellum: A Therapeutic Target in Treating Speech and Language Disorders. , 2020, , 141-175.   |     | 2         |
| 939      | NIBS as a Research Tool in Clinical and Translational Neuroscience. , 2020, , 43-59.   |     | 1         |
| 941      | Clinical Systems Neuroscience. , 2015, , 89-114.   |     | 1         |
| 942      | The effects of direct brain stimulation in humans depend on frequency, amplitude, and white-matter proximity. Brain Stimulation, 2020, 13, 1183-1195.                          | 0.7 | 73        |
| 943      | Influence of preceding muscle activity on perceptually guided force production during superimposed ballistic contraction. Physiology and Behavior, 2020, 222, 112933.          | 1.0 | 1         |
| 944      | Funktionelle HemisphÃ <b>r</b> enasymmetrie der Selbstkontrolle?. Zeitschrift Für Neuropsychologie =<br>Journal of Neuropsychology, 2007, 18, 183-192.                         | 0.2 | 8         |
| 946      | Noninvasive Brain Stimulation for the Study of Memory Enhancement in Aging. European<br>Psychologist, 2016, 21, 41-54.   | 1.8 | 14        |
| 947      | Parallel modulation of intracortical excitability of somatosensory and visual cortex by the gonadal hormones estradiol and progesterone. Scientific Reports, 2020, 10, 22237.  | 1.6 | 15        |
| 948      | Customizing TMS Applications in Traumatic Brain Injury Using Neuroimaging. Journal of Head Trauma<br>Rehabilitation, 2020, 35, 401-411.  | 1.0 | 10        |
| 954      | Transcranial photobiomodulation with 1064-nm laser modulates brain electroencephalogram rhythms. Neurophotonics, 2019, 6, 1.   | 1.7 | 40        |
| 955      | Modulation without surgical intervention. Science, 2018, 361, 461-462.   | 6.0 | 26        |
| 956      | Mapping motor cortex stimulation to muscle responses. , 2020, 2020, .  |     | 6         |
| 957      | NIBS-driven brain plasticity. Archives Italiennes De Biologie, 2015, 152, 247-58.  | 0.1 | 16        |
| 958      | Influence of dual-task on postexercise facilitation: a transcranial magnetic stimulation study. Journal of Exercise Rehabilitation, 2016, 12, 171-175.                         | 0.4 | 2         |
| 959      | Is it possible to measure hemodynamic changes in the prefrontal cortex through the frontal sinus using continuous wave DOT systems?. Biomedical Optics Express, 2019, 10, 817. | 1.5 | 4         |
| 960      | Modulation of Cortical Oscillations by Low-Frequency Direct Cortical Stimulation Is State-Dependent. PLoS Biology, 2016, 14, e1002424.   | 2.6 | 138       |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 961 | New Insights into Alzheimer's Disease Progression: A Combined TMS and Structural MRI Study. PLoS ONE, 2011, 6, e26113.  | 1.1 | 44        |
| 962 | Interactive Responses of a Thalamic Neuron to Formalin Induced Lasting Pain in Behaving Mice. PLoS<br>ONE, 2012, 7, e30699.   | 1.1 | 23        |
| 963 | Time Course Analysis of Motor Excitability in a Response Inhibition Task According to the Level of<br>Hyperactivity and Impulsivity in Children with ADHD. PLoS ONE, 2012, 7, e46066.   | 1.1 | 30        |
| 964 | Repetitive Transcranial Magnetic Stimulation Applications Normalized Prefrontal Dysfunctions and Cognitive-Related Metabolic Profiling in Aged Mice. PLoS ONE, 2013, 8, e81482.   | 1.1 | 14        |
| 965 | Temporary Interference over the Posterior Parietal Cortices Disrupts Thermoregulatory Control in Humans. PLoS ONE, 2014, 9, e88209.   | 1.1 | 18        |
| 966 | Motor-Evoked Potentials in the Lower Back Are Modulated by Visual Perception of Lifted Weight. PLoS<br>ONE, 2016, 11, e0157811.   | 1.1 | 6         |
| 967 | Immediate Effects of Repetitive Magnetic Stimulation on Single Cortical Pyramidal Neurons. PLoS ONE, 2017, 12, e0170528.  | 1.1 | 55        |
| 968 | Determining the Intracortical Responses After a Single Session of Aerobic Exercise in Young Healthy<br>Individuals: A Systematic Review and Best Evidence Synthesis. Journal of Strength and Conditioning<br>Research, 2021, 35, 562-575. | 1.0 | 10        |
| 969 | Precision non-implantable neuromodulation therapies: a perspective for the depressed brain. Revista<br>Brasileira De Psiquiatria, 2020, 42, 403-419.  | 0.9 | 19        |
| 970 | Alterations of hand sensorimotor function and cortical motor representations over the adult lifespan. Aging, 2020, 12, 4617-4640.   | 1.4 | 8         |
| 972 | Exploring Cortical Plasticity and Oscillatory Brain Dynamics via Transcranial Magnetic Stimulation<br>and Resting-State Electroencephalogram. The Malaysian Journal of Medical Sciences, 2016, 23, 5-16.                                  | 0.3 | 4         |
| 973 | Repetitive Transcranial Magnetic Stimulation (rTMS) to Treat Social Anxiety Disorder: Case Reports and a Review of the Literature. Clinical Practice and Epidemiology in Mental Health, 2013, 9, 180-188.                                 | 0.6 | 26        |
| 974 | The Value of Repetitive Transcranial Magnetic Stimulation (rTMS) for the Treatment of Anxiety<br>Disorders: An Integrative Review. CNS and Neurological Disorders - Drug Targets, 2011, 10, 610-620.                                      | 0.8 | 38        |
| 975 | Repetitive Transcranial Magnetic Stimulation (rTMS) to Treat Refractory Panic Disorder Patient: A<br>Case Report. CNS and Neurological Disorders - Drug Targets, 2014, 13, 1075-1078.   | 0.8 | 6         |
| 976 | Static Magnetic Stimulation Induces Cell-type Specific Alterations in the Viability of SH-SY5Y<br>Neuroblastoma Cell Line. Anticancer Research, 2020, 40, 5151-5158.  | 0.5 | 2         |
| 977 | The use of transcranial magnetic stimulation to evaluate cortical excitability of lower limb<br>musculature: Challenges and opportunities. Restorative Neurology and Neuroscience, 2018, 36, 333-348.                                     | 0.4 | 53        |
| 978 | When and How to Interpret Null Results in NIBS: A Taxonomy Based on Prior Expectations and Experimental Design. Frontiers in Neuroscience, 2018, 12, 915.   | 1.4 | 27        |
| 979 | Deactivation of Distant Pain-Related Regions Induced by 20-day rTMS: A Case Study of Oneweek Pain Relief for Long-Term Intractable Deafferentation Pain. Pain Physician, 2014, 17;1, E99-E105.  | 0.3 | 3         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 980 | Low-frequency transcranial magnetic stimulation is beneficial for enhancing synaptic plasticity in the aging brain. Neural Regeneration Research, 2015, 10, 916.  | 1.6 | 10        |
| 981 | Repetitive magnetic stimulation affects the microenvironment of nerve regeneration and evoked potentials after spinal cord injury. Neural Regeneration Research, 2016, 11, 816.                                 | 1.6 | 8         |
| 982 | From cortex to cord: motor circuit plasticity after spinal cord injury. Neural Regeneration Research, 2019, 14, 2054.   | 1.6 | 52        |
| 983 | Transcranial magnetic stimulation as a new tool to control pain perception. World Journal of Anesthesiology, 2016, 5, 15.   | 0.5 | 1         |
| 984 | What Is Lost During Dreamless Sleep: The Relationship Between Neural Connectivity Patterns and<br>Consciousness. Journal of European Psychology Students, 2014, 5, 56-65.                                       | 0.5 | 3         |
| 985 | Clarifying the Role of Negative Emotions in the Origin and Control of Impulsive Actions. Psychologica<br>Belgica, 2020, 60, 1-17.   | 1.0 | 16        |
| 986 | Repetitive Transcranial Magnetic Stimulation Enhances Recovery in Central Cord Syndrome Patients.<br>Annals of Rehabilitation Medicine, 2019, 43, 62-73.  | 0.6 | 5         |
| 987 | Intermittent theta burst stimulation facilitates functional connectivity from the dorsal premotor cortex to primary motor cortex. PeerJ, 2020, 8, e9253.  | 0.9 | 3         |
| 988 | Effects of Non-invasive Neurostimulation on Autism Spectrum Disorder: A Systematic Review. Clinical<br>Psychopharmacology and Neuroscience, 2020, 18, 527-552.  | 0.9 | 41        |
| 989 | Magnetoelectric effect: principles and applications in biology and medicine– a review. Materials Today<br>Bio, 2021, 12, 100149.  | 2.6 | 60        |
| 990 | Magnetoâ€Optogenetic Deepâ€Brain Multimodal Neurostimulation. Advanced Intelligent Systems, 2022, 4,<br>2100082.  | 3.3 | 5         |
| 991 | Electroconvulsive therapy for acute affective episodes in people with bipolar disorder. The Cochrane Library, 2021, 2021, .   | 1.5 | 0         |
| 992 | A state-informed stimulation approach with real-time estimation of the instantaneous phase of neural oscillations by a Kalman filter. Journal of Neural Engineering, 2021, 18, 066001.                          | 1.8 | 2         |
| 993 | Causal decoding of individual cortical excitability states. NeuroImage, 2021, 245, 118652.  | 2.1 | 17        |
| 994 | Estimulação magnética transcraniana. Revista Neurociencias, 2011, 19, 339-348.  | 0.0 | 1         |
| 995 | Measurement of Spinal Cord Motor Conduction by Magnetic Stimulation Study. The Japanese Journal of Rehabilitation Medicine, 2009, 46, 561-564.  | 0.0 | 0         |
| 996 | Single Pulse TMS. , 2010, , 116-118.  |     | 0         |
| 997 | The Motor Cortex Mapping Using Transcranial Magnetic Stimulation by Large and Angled Figure of Eight Coil in Normal Subjects. Jouranl of Korean Association of EMG Electrodiagnostic Medicine, 2010, 12, 14-18. | 0.0 | 0         |

| #    | Article   | IF  | CITATIONS |
|------|---|-----|-----------|
| 998  | Neural Plasticity: Influencing Elements and Modulation Techniques. Journal of Neurology & Neurophysiology, 0, s4, .   | 0.1 | 0         |
| 1000 | Management of Epilepsy - Research, Results and Treatment. , 2011, , .   |     | 3         |
| 1001 | Computational Study of Rhythm Propagation Induced by TMS Stimuli in Different Brain Regions.<br>Studies in Computational Intelligence, 2012, , 389-403.   | 0.7 | 0         |
| 1002 | Intracortical Circuits and Their Interactions in Human Primary Motor Cortex. , 2012, , 49-69.   |     | 0         |
| 1003 | Functional MRI-Based Strategy of Therapeutic rTMS Application: A Novel Approach forPost-Stroke<br>Aphasic Patients. , 0, , .  |     | 0         |
| 1004 | Effects of Stimulation Points and Stimulus Frequency to Event-Related Potentials by Repetitive<br>Transcranial Magnetic Stimulation. IEEJ Transactions on Fundamentals and Materials, 2013, 133, 445-450. | 0.2 | 0         |
| 1005 | Transcranial Magnetic Stimulation and Refractory Partial Epilepsy. , 2013, , 265-289.   |     | 1         |
| 1006 | Is there an inferior frontal cortical network for cognitive control and inhibition?. , 2013, , 332-352.   |     | 3         |
| 1007 | Impact of the variations in the temperature on the first spike latency of a Hodgkin-Huxley neuron model. Karaelmas Science and Engineering Journal, 2013, 3, 26-29.                                       | 0.4 | 0         |
| 1008 | Motor Evoked Potentials. , 2014, , 107-127.   |     | 6         |
| 1012 | Using Technology to Improve Cognitive Function: Fact or Fiction?. , 2015, , 279-304.  |     | 0         |
| 1013 | Repetitive Transcranial Magnetic Stimulation in Panic Disorder. , 2016, , 255-269.  |     | 0         |
| 1014 | EXERCÃCIOS E ELETROESTIMULAÇÃO NA DOR, FUNÇÃO E PLASTICIDADE CEREBRAL DE INDIVÃDUOS COM<br>OSTEOARTRITE DE JOELHO: O ESTADO DA ARTE. Revista Pesquisa Em Fisioterapia, 2016, 6, .                         | 0.1 | 0         |
| 1016 | Electrical Stimulation for Modification of Memory and Cognition. , 2017, , 283-316.   |     | 1         |
| 1017 | Integrated Methods of Neuromodulation for Guiding Recovery Following Stroke. Contemporary<br>Clinical Neuroscience, 2017, , 183-191.  | 0.3 | 1         |
| 1019 | Transcranial Magnetic Stimulation (TMS). , 2017, , 1-4.   |     | 0         |
| 1021 | Is the boss watching?. Nature Neuroscience, 2017, 20, 1039-1040.  | 7.1 | 0         |
| 1026 | Transcranial Magnetic Stimulation. , 2018, , 3498-3499.   |     | 0         |

| #    | Article  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1027 | The Background of the Study on Interpersonal Coordination. , 2018, , 11-105.   |     | 0         |
| 1032 | Current management of glioma in Pakistan. Clioma (Mumbai, India), 2019, 2, 139.  | 0.0 | 3         |
| 1038 | Motor Evoked Potentials. , 2020, , 113-133.  |     | 0         |
| 1040 | Repetitive Transcranial Magnetic Stimulation. Headache, 2020, , 119-134.   | 0.2 | 0         |
| 1042 | The Neurophysiology of Action Perception. , 2020, , 17-32.   |     | 0         |
| 1044 | Paired Associative Stimulation Rewired: A Novel Paradigm to Modulate Resting-State Intracortical Connectivity. Journal of Motor Learning and Development, 2020, 8, 174-193.  | 0.2 | 1         |
| 1045 | The Use of Motor-Evoked Potentials in Clinical Trials in Multiple Sclerosis. Journal of Clinical<br>Neurophysiology, 2021, 38, 166-170.  | 0.9 | 7         |
| 1047 | The use of noninvasive brain stimulation techniques to improve reading difficulties in dyslexia: A systematic review. Human Brain Mapping, 2022, 43, 1157-1173.  | 1.9 | 12        |
| 1048 | New approach of using cortico-cortical evoked potential for functional brain evaluation. Annals of Clinical Neurophysiology, 2021, 23, 69-81.  | 0.1 | 1         |
| 1049 | Electrophysiology and the magnetic sense: a guide to best practice. Journal of Comparative Physiology<br>A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2021, 208, 185.                                       | 0.7 | 5         |
| 1051 | Transcranial Magnetic Stimulation in Dementia: From Pathophysiology to Treatment. , 2020, , 161-173.   |     | 0         |
| 1052 | Motor disability in patients with multiple sclerosis: transcranial magnetic stimulation study. Egyptian<br>Journal of Neurology, Psychiatry and Neurosurgery, 2020, 56, .  | 0.4 | 4         |
| 1055 | Comparison of Repetitive Transcranial Magnetic Stimulation and Transcranial Direct Current<br>Stimulation on Upper Limb Recovery Among Patients With Recent Stroke. Annals of Rehabilitation<br>Medicine, 2020, 44, 428-437. | 0.6 | 11        |
| 1056 | Comparison Between Performance of ANN-based Models and AR in Predicting EEC-triggered-TMS Time series. , 2020, , .   |     | 0         |
| 1058 | Non-invasive Brain Stimulation in Human Stroke Survivors. , 2020, , 501-535.   |     | 1         |
| 1059 | Neurophysiological Bases and Mechanisms of Action of Transcranial Magnetic Stimulation. , 2020, , 7-17.  |     | 1         |
| 1060 | Cortical Excitability, Plasticity and Oscillations in Major Psychiatric Disorders: A Neuronavigated TMS-EEG Based Approach. , 2020, , 209-222.   |     | 1         |
| 1062 | Navigated transcranial magnetic stimulation brain mapping: Achievements, opportunities, and prospects. Glioma (Mumbai, India), 2020, 3, 45.  | 0.0 | 0         |

| #    | Article   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1065 | Where Transcranial Magnetic Stimulation is headed to: The Modular Extended Magnetic Stimulator. , 2021, , .   |     | 4         |
| 1066 | Completing the puzzle: Why studies in non-human primates are needed to better understand the effects of non-invasive brain stimulation. Neuroscience and Biobehavioral Reviews, 2022, 132, 1074-1085.   | 2.9 | 6         |
| 1068 | Changes in Cortical Circuits in Movement Disorders. , 2012, , 253-277.  |     | 0         |
| 1069 | Intracortical Circuits and Their Interactions in Human Primary Motor Cortex. , 2012, , 49-69.   |     | Ο         |
| 1070 | Neuromodulation in the Age of Modern Neuroimaging Technologies. , 0, , .  |     | 0         |
| 1073 | Repetitive Transcranial Magnetic Stimulation With and Without Internet-Delivered<br>Cognitive-Behavioral Therapy for the Treatment of Resistant Depression: Protocol for<br>Patient-Centered Randomized Controlled Pilot Trial. JMIR Research Protocols, 2020, 9, e18843. | 0.5 | 5         |
| 1074 | Repetitive Transcranial Magnetic Stimulation. , 2007, , 2114-2115.  |     | 1         |
| 1075 | Low-frequency repetitive transcranial magnetic simulation prevents chronic epileptic seizure. Neural Regeneration Research, 2013, 8, 2566-72.   | 1.6 | 2         |
| 1076 | Therapeutic benefit of repetitive transcranial magnetic stimulation for severe mirror movements: A case report. Neural Regeneration Research, 2013, 8, 569-74.  | 1.6 | 2         |
| 1077 | Magnetic stimulation of the cerebellum. Moving towards the clinic. Functional Neurology, 2014, 29, 5.   | 1.3 | 2         |
| 1078 | Theta-burst Transcranial Magnetic Stimulation Alters the Functional Topography of the Cortical<br>Motor Network. The Malaysian Journal of Medical Sciences, 2015, 22, 36-44.  | 0.3 | 6         |
| 1079 | Induction of Neuroplasticity by Transcranial Direct Current Stimulation. Journal of Biomedical Physics and Engineering, 2016, 6, 205-208.   | 0.5 | 7         |
| 1080 | Performance Enhancement by Brain Stimulation. Journal of Sports Science and Medicine, 2017, 16, 438-439.  | 0.7 | 6         |
| 1081 | Accelerated intermittent theta-burst stimulation broadly ameliorates symptoms and cognition in Alzheimer's disease: A randomized controlled trial. Brain Stimulation, 2022, 15, 35-45.  | 0.7 | 28        |
| 1082 | Time in Brain: How Biological Rhythms Impact on EEG Signals and on EEG-Derived Brain Networks.<br>Frontiers in Network Physiology, 2021, 1, .   | 0.8 | 13        |
| 1083 | The Modular Multilevel Magnetic Stimulator: Energy-Efficiency, Pre-Charging and Overlap Protection. , 2021, , .   |     | 1         |
| 1084 | Transcranial magnetic stimulation (TMS) for geriatric depression. Ageing Research Reviews, 2022, 74, 101531.  | 5.0 | 32        |
| 1085 | Therapeutic application of rTMS in neurodegenerative and movement disorders: A review. Journal of Electromyography and Kinesiology, 2022, 62, 102622.   | 0.7 | 5         |

| #    | Article   | IF        | CITATIONS    |
|------|---|-----------|--------------|
| 1086 | Repetitive transcranial magnetic stimulation (rTMS) as therapy in an infant with epilepsia partialis continua. Epilepsy and Behavior Reports, 2022, 18, 100511.   | 0.5       | 2            |
| 1088 | Multisite non-invasive brain stimulation in Parkinson's disease: A scoping review. NeuroRehabilitation, 2021, 49, 515-531.  | 0.5       | 1            |
| 1089 | Repetitive transcranial magnetic stimulation modulates coupling among largeâ€scale brain networks in<br>heroinâ€dependent individuals: A randomized restingâ€state functional magnetic resonance imaging<br>study. Addiction Biology, 2022, 27, e13121. | 1.4       | 10           |
| 1090 | No evidence for changes in GABA concentration, functional connectivity, or working memory<br>following continuous theta burst stimulation over dorsolateral prefrontal cortex. NeuroImage<br>Reports, 2021, 1, 100061.                                  | 0.5       | 0            |
| 1091 | Spontaneous Fluctuations in Oscillatory Brain State Cause Differences in Transcranial Magnetic<br>Stimulation Effects Within and Between Individuals. Frontiers in Human Neuroscience, 2021, 15,<br>802244.   | 1.0       | 10           |
| 1092 | Transcranial magnetic stimulation as aÂdiagnostic and therapeutic tool in cerebral palsy. Postepy<br>Psychiatrii I Neurologii, 2021, 30, 203-212.   | 0.2       | 3            |
| 1093 | Physiologically informed neuromodulation. Journal of the Neurological Sciences, 2022, 434, 120121.  | 0.3       | 11           |
| 1094 | A Numerical Model for the Assessment of the Transcranial Magnetic Stimulation. , 2020, , .  |           | 0            |
| 1095 | Non-invasive Deep Brain Stimulation using Electromagnetic Waves. , 2020, , .  |           | 0            |
| 1096 | A Compact Circuit for Boosting Electric Field Intensity in Repetitive Transcranial Magnetic Stimulation (rTMS). , 2021, 2021, 6458-6464.  |           | 2            |
| 1097 | Application of magnetically actuated self-clearing catheter for rapid in situ blood clot clearance in hemorrhagic stroke treatment. Nature Communications, 2022, 13, 520.   | 5.8       | 4            |
| 1098 | Looking beyond the opioid receptor: A desperate need for new treatments for opioid use disorder.<br>Journal of the Neurological Sciences, 2022, 432, 120094.  | 0.3       | 6            |
| 1099 | Evidence That Brain-Controlled Functional Electrical Stimulation Could Elicit Targeted Corticospinal Facilitation of Hand Muscles in Healthy Young Adults. Neuromodulation, 2023, 26, 1612-1621.  | 0.4       | 7            |
| 1100 | Investigating the structure-function relationship of the corticomotor system early after stroke using machine learning. NeuroImage: Clinical, 2022, 33, 102935.   | 1.4       | 1            |
| 1102 | Continuous and intermittent theta burst stimulation to the visual cortex do not alter GABA and glutamate concentrations measured by magnetic resonance spectroscopy. Brain and Behavior, 2022, 12, e2478.   | 1.0       | 4            |
| 1103 | Electrophysiology-Based Closed Loop Optogenetic Brain Stimulation Devices: Recent Developments and Future Prospects. IEEE Reviews in Biomedical Engineering, 2023, 16, 91-108.  | 13.1      | 5            |
| 1104 | Noninvasive electrical and magnetic brain stimulation (with insights on the effects of cellular) Tj ETQq0 0 0 rgBT  | /Overlock | 10 Tf 50 102 |

1105Use of 30-Hz Accelerated iTBS in Drug-Resistant Unipolar and Bipolar Depression in a Public Healthcare<br/>Setting: A Case Series. Frontiers in Psychiatry, 2021, 12, 798847.1.32

| #    | Article   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1106 | High resolution ultrasonic neural modulation observed via inÂvivo two-photon calcium imaging. Brain<br>Stimulation, 2022, 15, 190-196.  | 0.7 | 13        |
| 1107 | Noninvasive brain stimulation to augment language therapy for primary progressive aphasia.<br>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2022, 185, 251-260.                                    | 1.0 | 4         |
| 1108 | Long term study of motivational and cognitive effects of low-intensity focused ultrasound neuromodulation in the dorsal striatum of nonhuman primates. Brain Stimulation, 2022, 15, 360-372.                              | 0.7 | 26        |
| 1109 | Temporal Profile of Descending Cortical Modulation of Spinal Excitability: Group and Individual-Specific Effects. Frontiers in Integrative Neuroscience, 2021, 15, 777741.  | 1.0 | 2         |
| 1110 | TMS for the functional evaluation of cannabis effects and for treatment of cannabis addiction: A review. Psychiatry Research, 2022, 310, 114431.  | 1.7 | 3         |
| 1111 | Cortical Hyperexcitability in the Driver's Seat in ALS. Clinical and Translational Neuroscience, 2022, 6,<br>5.   | 0.4 | 4         |
| 1112 | The Impact of Transcranial Magnetic Stimulation on Reading Processes: A Systematic Review.<br>Neuropsychology Review, 2023, 33, 255-277.  | 2.5 | 4         |
| 1113 | Neuromodulation for the treatment of functional neurological disorder and somatic symptom<br>disorder: a systematic review. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 280-290.                         | 0.9 | 10        |
| 1114 | A systematic review of TMS and neurophysiological biometrics in patients with schizophrenia. Journal of Psychiatry and Neuroscience, 2021, 46, E675-E701.   | 1.4 | 6         |
| 1116 | Minimum-Norm Estimation of TMS-Activated Motor Cortical Sites in Realistic Head and Brain<br>Geometry. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 441-454.                             | 2.7 | 1         |
| 1117 | Online Tracking of the Phase Difference Between Neural Drives to Antagonist Muscle Pairs in<br>Essential Tremor Patients. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022,<br>30, 709-718.       | 2.7 | 7         |
| 1118 | Effect of Transcutaneous Magnetic Stimulation in Patients With Ventricular Tachycardia Storm. JAMA<br>Cardiology, 2022, 7, 445.   | 3.0 | 18        |
| 1119 | Electroencephalogram (EEG) With or Without Transcranial Magnetic Stimulation (TMS) as Biomarkers<br>for Post-stroke Recovery: A Narrative Review. Frontiers in Neurology, 2022, 13, 827866.                               | 1.1 | 20        |
| 1120 | Transcranial Magnetic Stimulation for the Neurological Patient: Scientific Principles and Applications. Seminars in Neurology, 2022, 42, 149-157.   | 0.5 | 8         |
| 1121 | Anomalies in global network connectivity associated with early recovery from alcohol dependence: A network transcranial magnetic stimulation and electroencephalography study. Addiction Biology, 2022, 27, e13146.       | 1.4 | 4         |
| 1123 | Nanomaterials in neuromodulation: what is the potential?. Expert Review of Neurotherapeutics, 2022, 22, 287-290.  | 1.4 | 3         |
| 1124 | Daily prefrontal closed-loop repetitive transcranial magnetic stimulation (rTMS) produces<br>progressive EEG quasi-alpha phase entrainment in depressed adults. Brain Stimulation, 2022, 15, 458-471.                     | 0.7 | 14        |
| 1125 | Case Report: Low-Frequency Repetitive Transcranial Magnetic Stimulation to Dorsolateral Prefrontal<br>Cortex and Auditory Cortex in a Patient With Tinnitus and Depression. Frontiers in Psychiatry, 2022,<br>13, 847618. | 1.3 | 5         |

| #    | Article  | IF  | Citations |
|------|--|-----|-----------|
| 1126 | Enhancement of functional corticomuscular coupling after transcranial ultrasound stimulation in mice. Journal of Neural Engineering, 2022, 19, 026014.   | 1.8 | 1         |
| 1127 | Brain-based interventions for chronic pain. Neuroforum, 2022, .  | 0.2 | 0         |
| 1129 | Alteration of Neural Pathways and Its Implications in Alzheimer's Disease. Biomedicines, 2022, 10, 845.  | 1.4 | 8         |
| 1130 | Comparison of Coil Designs for Transcranial Magnetic Stimulation of a Pig Model. , 2021, 2021, 1535-1538.  |     | 0         |
| 1131 | Evidence for Transcranial Magnetic Stimulation Induced Functional Connectivity Oscillations in the Brain. , 2021, 2021, 1407-1411.   |     | 1         |
| 1132 | Adverse effects of electroconvulsive therapy. The Cochrane Library, 2021, 2021, .  | 1.5 | 0         |
| 1133 | Classification of Cognitive Impairment and Healthy Controls Based on Transcranial Magnetic<br>Stimulation Evoked Potentials. Frontiers in Aging Neuroscience, 2021, 13, 804384.  | 1.7 | 2         |
| 1135 | Therapeutic Application of rTMS in Atypical Parkinsonian Disorders. Behavioural Neurology, 2021, 2021, 1-12.   | 1.1 | 0         |
| 1136 | Noninvasive brain stimulation of addiction: one target for all?. Psychoradiology, 2021, 1, 172-184.  | 1.0 | 3         |
| 1137 | Rational designing of oscillatory rhythmicity for memory rescue in plasticity-impaired learning networks. Cell Reports, 2022, 39, 110678.  | 2.9 | 2         |
| 1138 | Anesthesia inhibited corticospinal excitability and attenuated the modulation of repetitive transcranial magnetic stimulation. BMC Anesthesiology, 2022, 22, 111.  | 0.7 | 3         |
| 1153 | Effect of Electro-Acupuncture on Lateralization of the Human Swallowing Motor Cortex Excitability<br>by Navigation-Transcranial Magnetic Stimulation-Electromyography. Frontiers in Behavioral<br>Neuroscience, 2022, 16, 808789.                  | 1.0 | 2         |
| 1154 | Effect of Theta Burst Stimulation-Patterned rTMS on Motor and Nonmotor Dysfunction of<br>Parkinson's Disease: A Systematic Review and Metaanalysis. Frontiers in Neurology, 2021, 12, 762100.  | 1.1 | 8         |
| 1157 | Electric Field Distribution Induced by TMS: Differences Due to Anatomical Variation. Applied Sciences (Switzerland), 2022, 12, 4509.   | 1.3 | 3         |
| 1158 | Repetitive Transcranial Magnetic Stimulation (rTMS) of Dorsolateral Prefrontal Cortex May Influence<br>Semantic Fluency and Functional Connectivity in Fronto-Parietal Network in Mild Cognitive<br>Impairment (MCI). Biomedicines, 2022, 10, 994. | 1.4 | 18        |
| 1159 | Reduced asymmetry of the hand knob area and decreased sensorimotor u-fiber connectivity in middle-aged adults with autism. Cortex, 2022, , .   | 1.1 | 1         |
| 1160 | Translational approaches to influence sleep and arousal. Brain Research Bulletin, 2022, 185, 140-161.  | 1.4 | 8         |
| 1161 | Efficacy of repetitive transcranial magnetic stimulation in treating stroke aphasia: Systematic review and meta-analysis. Clinical Neurophysiology, 2022, 140, 196-227.  | 0.7 | 10        |

|      |   | 15  | <b>C</b>  |
|------|---|-----|-----------|
| #    | ARTICLE   | IF  | CITATIONS |
| 1162 | 628.  | 1.1 | 0         |
| 1163 | Central Neuropathic Pain Syndromes: Current and Emerging Pharmacological Strategies. CNS Drugs, 2022, 36, 483-516.  | 2.7 | 12        |
| 1164 | Continuous but not intermittent theta burst stimulation decreases striatal dopamine release and cortical excitability. Experimental Neurology, 2022, 354, 114106.   | 2.0 | 3         |
| 1165 | State-dependent effects of neural stimulation on brain function and cognition. Nature Reviews Neuroscience, 2022, 23, 459-475.  | 4.9 | 56        |
| 1166 | Graph Ricci curvatures reveal atypical functional connectivity in autism spectrum disorder. Scientific Reports, 2022, 12, 8295.   | 1.6 | 4         |
| 1167 | Transcranial Magnetic Stimulation (TMS). , 2022, , 7034-7038.   |     | 0         |
| 1169 | Repetitive Transcranial Magnetic Stimulation-Associated Changes in Neocortical Metabolites in Major<br>Depression: A Systematic Review. NeuroImage: Clinical, 2022, 35, 103049.   | 1.4 | 10        |
| 1170 | Intensity matters: protocol for a randomized controlled trial exercise intervention for individuals with chronic stroke. Trials, 2022, 23, .  | 0.7 | 4         |
| 1171 | Non-invasive Brain Stimulation for Central Neuropathic Pain. Frontiers in Molecular Neuroscience, 2022, 15, .   | 1.4 | 12        |
| 1172 | Things you wanted to know (but might have been afraid to ask) about how and why to explore and<br>modulate brain plasticity with non-invasive neurostimulation technologies. Revue Neurologique,<br>2022, 178, 826-844.   | 0.6 | 4         |
| 1173 | A high-density theta burst paradigm enhances the aftereffects of transcranial magnetic stimulation:<br>Evidence from focal stimulation of rat motor cortex. Brain Stimulation, 2022, 15, 833-842.                         | 0.7 | 6         |
| 1174 | Editorial: Investigating the Mechanism of TMS Using Brain Imaging Methods. Frontiers in Neuroscience, 2022, 16, .   | 1.4 | 0         |
| 1175 | Evidence for shared neural information between muscle synergies and corticospinal efficacy.<br>Scientific Reports, 2022, 12, .  | 1.6 | 5         |
| 1176 | Effects of Repetitive Transcranial Magnetic Stimulation on Motor Symptoms in Parkinson's Disease: A<br>Meta-Analysis. Neurorehabilitation and Neural Repair, 2022, 36, 395-404.   | 1.4 | 7         |
| 1179 | Multiple functions of the angular gyrus at high temporal resolution. Brain Structure and Function, 2023, 228, 7-46.   | 1.2 | 12        |
| 1180 | Influence of improved behavioral inhibition on decreased cue-induced craving in heroin use disorder:<br>A preliminary intermittent theta burst stimulation study. Journal of Psychiatric Research, 2022, 152,<br>375-383. | 1.5 | 8         |
| 1181 | Effects of acute intermittent hypoxia on corticospinal excitability within the primary motor cortex.<br>European Journal of Applied Physiology, 0, , .  | 1.2 | 1         |
| 1182 | The Potential Clinical Utility of Auditory P3b Amplitude for Clinical High Risk. Frontiers in Psychology, 0, 13, .  | 1.1 | 0         |

| #    | Article  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1184 | Transcranial magnetic stimulation in the treatment of adolescent depression: a systematic review and meta-analysis of aggregated and individual-patient data from uncontrolled studies. European Child and Adolescent Psychiatry, 2022, 31, 1501-1525. | 2.8 | 11        |
| 1185 | Phonological Working Memory Representations in the Left Inferior Parietal Lobe in the Face of<br>Distraction and Neural Stimulation. Frontiers in Human Neuroscience, 0, 16, .   | 1.0 | 2         |
| 1186 | Research Hotspots and Effectiveness of Transcranial Magnetic Stimulation in Pain: A Bibliometric<br>Analysis. Frontiers in Human Neuroscience, 0, 16, .  | 1.0 | 3         |
| 1187 | Breaking the boundaries of interacting with the human brain using adaptive closed-loop stimulation.<br>Progress in Neurobiology, 2022, 216, 102311.  | 2.8 | 18        |
| 1188 | Left intermittent theta burst stimulation combined with right lowfrequency rTMS as an additional treatment for major depression: A retrospective study. Indian Journal of Psychiatry, 2022, 64, 364.   | 0.4 | 2         |
| 1189 | A Noninvasive Deep Brain Stimulation Method via Temporal-Spatial Interference Magneto-Acoustic<br>Effect: Simulation and Experimental Validation. IEEE Transactions on Ultrasonics, Ferroelectrics, and<br>Frequency Control, 2022, 69, 2474-2483.     | 1.7 | 2         |
| 1190 | Understanding the Neuropathophysiology of Psychiatry Disorder Using Transcranial Magnetic Stimulation. , 0, , .  |     | 0         |
| 1191 | EEG-Based Brain Network Analysis of Chronic Stroke Patients After BCI Rehabilitation Training.<br>Frontiers in Human Neuroscience, 0, 16, .  | 1.0 | 7         |
| 1193 | Normal Values of Central, Peripheral, and Root Motor Conduction Times in a Healthy Korean<br>Population. Journal of Clinical Neurophysiology, 2024, 41, 175-181.   | 0.9 | 1         |
| 1194 | Evidence of Neuroplastic Changes after Transcranial Magnetic, Electric, and Deep Brain Stimulation.<br>Brain Sciences, 2022, 12, 929.  | 1.1 | 19        |
| 1195 | Neuromodulation Treatments of Pathological Anxiety in Anxiety Disorders, Stressor-Related<br>Disorders, and Major Depressive Disorder: A Dimensional Systematic Review and Meta-Analysis.<br>Frontiers in Psychiatry, 0, 13, .                         | 1.3 | 0         |
| 1196 | Spatially bivariate EEG-neurofeedback can manipulate interhemispheric inhibition. ELife, 0, 11, .  | 2.8 | 8         |
| 1197 | The role of neuronavigation in TMS–EEG studies: Current applications and future perspectives.<br>Journal of Neuroscience Methods, 2022, 380, 109677.   | 1.3 | 16        |
| 1199 | rTMS/iTBS and Cognitive Rehabilitation for Deficits Associated With TBI and PTSD: A Theoretical Framework and Review. Journal of Neuropsychiatry and Clinical Neurosciences, 2023, 35, 28-38.  | 0.9 | 3         |
| 1200 | Physiological symmetry of transcranial magnetic stimulationâ€evoked <scp>EEG</scp> spectral features. Human Brain Mapping, 0, , .  | 1.9 | 6         |
| 1202 | Computational techniques in bio-electromagnetics: theory and perspectives. , 2022, , .   |     | 0         |
| 1203 | Implantable acousto-optic window for monitoring ultrasound-mediated neuromodulation in vivo.<br>Neurophotonics, 2022, 9, .   | 1.7 | 3         |
| 1204 | Corticospinal circuit neuroplasticity may involve silent synapses: Implications for functional recovery facilitated by neuromodulation after spinal cord injury. IBRO Neuroscience Reports, 2023, 14, 185-194.   | 0.7 | 0         |

| #    | Article   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1205 | Continuous theta burst stimulation over left supplementary motor area facilitates auditory-vocal integration in individuals with Parkinson's disease. Frontiers in Aging Neuroscience, 0, 14, .   | 1.7 | 5         |
| 1206 | The Effects of Repetitive Transcranial Magnetic Stimulation on Standing Balance and Walking in Older<br>Adults with Age-related Neurological Disorders: A Systematic Review and Meta-analysis. Journals of<br>Gerontology - Series A Biological Sciences and Medical Sciences, 2023, 78, 842-852. | 1.7 | 2         |
| 1207 | A Transmissive Theory of Brain Function: Implications for Health, Disease, and Consciousness.<br>NeuroSci, 2022, 3, 440-456.  | 0.4 | 2         |
| 1208 | Repetitive Transcranial Magnetic Stimulation of the Brain After Ischemic Stroke: Mechanisms from<br>Animal Models. Cellular and Molecular Neurobiology, 2023, 43, 1487-1497.  | 1.7 | 7         |
| 1209 | Speech arrest by repetitive Transcranial Magnetic Stimulation – does it still work? Old experiences with new improvements. Restorative Neurology and Neuroscience, 2022, 40, 125-135.   | 0.4 | 0         |
| 1210 | Similarity of hand muscle synergies elicited by transcranial magnetic stimulation and those found during voluntary movement. Journal of Neurophysiology, 2022, 128, 994-1010.   | 0.9 | 1         |
| 1211 | High-frequency repetitive transcranial magnetic stimulation of the left dorsolateral prefrontal cortex may reduce impulsivity in patients with methamphetamine use disorders: A pilot study. Frontiers in Human Neuroscience, 0, 16, .  | 1.0 | 1         |
| 1212 | Safety of low-intensity repetitive transcranial magneTic brAin stimUlation foR people living with mUltiple Sclerosis (TAURUS): study protocol for a randomised controlled trial. Trials, 2022, 23, .  | 0.7 | 3         |
| 1213 | Stability and test–retest reliability of neuronavigated TMS measures of corticospinal and intracortical excitability. Brain Research, 2022, 1794, 148057.   | 1.1 | 3         |
| 1214 | Clinical application of transcranial magnetic stimulation in multiple sclerosis. Frontiers in<br>Immunology, 0, 13, .   | 2.2 | 4         |
| 1215 | Delineating the effects of transcranial magnetic stimulation to the left dorsolateral prefrontal cortex in binge eating disorder: Reward or cognitive control?. , 2022, 1, 100055.  |     | 0         |
| 1216 | Association of Mu opioid receptor (A118C) and BDNF (G196A) polymorphisms with<br>rehabilitation-induced cortical inhibition and analgesic response in chronic osteoarthritis pain.<br>International Journal of Clinical and Health Psychology, 2023, 23, 100330.                                  | 2.7 | 1         |
| 1217 | Three Paradoxes of Thought: Thought Power Measured. Integrated Science, 2022, , 235-267.  | 0.1 | 0         |
| 1218 | Finding Synaptic Couplings from a Biophysical Model of Motor Evoked Potentials after Theta-Burst<br>Transcranial Magnetic Stimulation. SSRN Electronic Journal, 0, , .  | 0.4 | 0         |
| 1219 | Gender dimorphic M1 excitability during emotional processing: a transcranial magnetic stimulation study. PeerJ, 0, 10, e13987.  | 0.9 | 1         |
| 1220 | Repetitive transcranial magnetic stimulation of the primary motor cortex in stroke survivors-more than motor rehabilitation: A mini-review. Frontiers in Aging Neuroscience, 0, 14, .   | 1.7 | 3         |
| 1221 | Method for noninvasive whole-body stimulation with spinning oscillating magnetic fields and its safety in mice. Electromagnetic Biology and Medicine, 2022, 41, 419-428.  | 0.7 | 1         |
| 1222 | High Frequency Repetitive Transcranial Magnetic Stimulation Improves Cognitive Performance<br>Parameters in Patients with Alzheimer's Disease – An Exploratory Pilot Study. Current Alzheimer<br>Research, 2022, 19, 681-688.   | 0.7 | 3         |

| <u><u> </u></u> | <br>  | Depe   |      |
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| #    | Article  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1223 | Dual-site TMS as a tool to probe effective interactions within the motor network: a review. Reviews in the Neurosciences, 2023, 34, 129-221.   | 1.4 | 6         |
| 1224 | Nanomedicine and nanobiotechnology applications of magnetoelectric nanoparticles. Wiley<br>Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2023, 15, .                        | 3.3 | 5         |
| 1225 | Continuous theta-burst stimulation over the left posterior inferior frontal gyrus induced compensatory plasticity in the language network. Frontiers in Neurology, 0, 13, .                  | 1.1 | 0         |
| 1226 | Non-invasive brain stimulation for osteoarthritis. Frontiers in Aging Neuroscience, 0, 14, .   | 1.7 | 1         |
| 1227 | Brain Perfusion Alterations Induced by Standalone and Combined Non-Invasive Brain Stimulation over the Dorsolateral Prefrontal Cortex. Biomedicines, 2022, 10, 2410.                         | 1.4 | 3         |
| 1228 | Reliability of TMS measurements using conventional hand-hold method with different numbers of stimuli for tibialis anterior muscle in healthy adults. Frontiers in Neural Circuits, 0, 16, . | 1.4 | 2         |
| 1230 | A Different rTMS Protocol for a Different Type of Depression: 20.000 rTMS Pulses for the Treatment of Bipolar Depression Type II. Journal of Clinical Medicine, 2022, 11, 5434.              | 1.0 | 1         |
| 1231 | Differential contributions of inferior frontal gyrus subregions to sentence processing guided by intonation. Human Brain Mapping, 2023, 44, 585-598.   | 1.9 | 11        |
| 1232 | Assessing the mechanisms of brain plasticity by transcranial magnetic stimulation.<br>Neuropsychopharmacology, 2023, 48, 191-208.  | 2.8 | 37        |
| 1233 | Noninvasive Brain Stimulation for the Modulation of Mind Wandering. , 2022, , 143-158.   |     | 0         |
| 1234 | Abnormalities of Neural Microcircuits in Tourette Syndrome. , 2022, , 184-198.   |     | 0         |
| 1235 | Efficacy of Adjunctive <scp>D</scp> -Cycloserine to Intermittent Theta-Burst Stimulation for Major<br>Depressive Disorder. JAMA Psychiatry, 2022, 79, 1153.                                  | 6.0 | 22        |
| 1237 | Subthreshold repetitive transcranial magnetic stimulation suppresses ketamine-induced poly population spikes in rat sensorimotor cortex. Frontiers in Neuroscience, 0, 16, .                 | 1.4 | 3         |
| 1238 | Intraclass Correlation in Paired Associative Stimulation and Metaplasticity. NeuroSci, 2022, 3, 589-603.   | 0.4 | 1         |
| 1239 | Investigating the Origin of TMS-evoked Brain Potentials Using Topographic Analysis. Brain Topography, 2022, 35, 583-598.   | 0.8 | 3         |
| 1240 | InÂvitro cell models merging circadian rhythms and brain waves for personalized neuromedicine.<br>IScience, 2022, 25, 105477.  | 1.9 | 2         |
| 1242 | Paired pulse transcranial magnetic stimulation in the assessment of biceps voluntary activation in in in individuals with tetraplegia. Frontiers in Human Neuroscience, 0, 16, .             | 1.0 | 0         |
| 1243 | Double-target neural circuit-magnetic stimulation improves motor function in spinal cord injury by attenuating astrocyte activation. Neural Regeneration Research, 2023, 18, 1062.           | 1.6 | 4         |

|           | Сп   | ration Report |                |
|-----------|--|---------------|----------------|
| #<br>1246 | ARTICLE<br>Neural similarities and differences between native and second languages in the bilateral fusiform<br>cortex in Chinese-English bilinguals. Neuropsychologia, 2023, 179, 108464.                     | IF<br>0.7     | Citations<br>3 |
| 1247      | Efficacy and tolerability of repetitive transcranial magnetic stimulation for late-life depression: A systematic review and meta-analysis. Journal of Affective Disorders, 2023, 323, 219-231.                 | 2.0           | 4              |
| 1248      | Finding synaptic couplings from a biophysical model of motor evoked potentials after theta-burst<br>transcranial magnetic stimulation. Brain Research, 2023, 1801, 148205.                                     | 1.1           | 1              |
| 1249      | Accuracy Analysis and Comparisons of Impedance Behavior of Transcranial Magnetic Stimulator Coils. , 2022, , .   |               | 0              |
| 1250      | Modulating the Social and Affective Brain with Transcranial Stimulation Techniques. , 2023, , 255-270.   |               | 0              |
| 1251      | Impact of low-frequency repetitive transcranial magnetic stimulation on functional network connectivity in schizophrenia patients with auditory verbal hallucinations. Psychiatry Research, 2023, 320, 114974. | 1.7           | 8              |
| 1252      | Addition of tDCS and TENS to an education and exercise program in subjects with knee osteoarthritis:<br>A study protocol. Journal of Back and Musculoskeletal Rehabilitation, 2022, , 1-9.                     | 0.4           | 0              |
| 1253      | Motor cortical inhibitory deficits in patients with obsessive-compulsive disorder–A systematic reviev and meta-analysis of transcranial magnetic stimulation literature. Frontiers in Psychiatry, 0, 13, .     | / 1.3         | 3              |
| 1254      | Cerebellar stimulation in schizophrenia: A systematic review of the evidence and an overview of the methods. Frontiers in Psychiatry, 0, 13, .   | 1.3           | 3              |
| 1255      | An Anterior Cingulate Cortex-to-Midbrain Projection Controls Chronic Itch in Mice. Neuroscience<br>Bulletin, 2023, 39, 793-807.  | 1.5           | 5              |
| 1256      | Brain modeling for control: A review. Frontiers in Control Engineering, 0, 3, .  | 0.4           | 3              |
| 1257      | Influences of Aerobic Exercise on Motor Sequence Learning and Corticomotor Excitability in People<br>With Parkinson's Disease. Neurorehabilitation and Neural Repair, 2023, 37, 37-45.                         | 1.4           | 1              |
| 1258      | Biomarkers for prognostic functional recovery poststroke: A narrative review. Frontiers in Cell and<br>Developmental Biology, 0, 10, .   | 1.8           | 8              |
| 1259      | Clinical Implementation of Noninvasive Brain Stimulation in an Outpatient Neurorehabilitation<br>Program. American Journal of Physical Medicine and Rehabilitation, 2023, 102, S79-S84.                        | 0.7           | 0              |
| 1260      | Effect of High Frequency Repetitive Transcranial Magnetic Stimulation Combined with Voice Training on Voice Function of Patients with Parkinson's Disease. Rehabilitation Medicine, 2022, 32, 155-161.         | 0.1           | 0              |
| 1261      | Recovery of walking in nonambulatory children with chronic spinal cord injuries: Case series.<br>Journal of Neuroscience Research, 2023, 101, 826-842.   | 1.3           | 2              |
| 1262      | Transcranial Alternating Current Stimulation to Modulate Alpha Activity: A Systematic Review.<br>Neuromodulation, 2023, , .  | 0.4           | 3              |
| 1263      | Low frequency repetitive transcranial magnetic stimulation promotes plasticity of the visual cortex in adult amblyopic rats. Frontiers in Neuroscience, 0, 17, .   | 1.4           | 1              |

| #    | Article  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1264 | Biological Effects of Static Magnetic Fields on the Nervous System. , 2023, , 355-376.   |     | 1         |
| 1266 | Repetitive transcranial magnetic stimulation combined with cognitive training for cognitive function and activities of daily living in patients with post-stroke cognitive impairment: A systematic review and meta-analysis. Ageing Research Reviews, 2023, 87, 101919. | 5.0 | 5         |
| 1268 | Computational analysis of multichannel magnetothermal neural stimulation using magnetic resonator array. Biomedical Engineering Letters, 0, , .  | 2.1 | 0         |
| 1269 | Mind matters: A narrative review on affective state-dependency in non-invasive brain stimulation.<br>International Journal of Clinical and Health Psychology, 2023, 23, 100378.  | 2.7 | 10        |
| 1270 | Combining Transcranial Magnetic Stimulation and Deep Brain Stimulation: Current Knowledge,<br>Relevance and Future Perspectives. Brain Sciences, 2023, 13, 349.  | 1.1 | 3         |
| 1271 | Static Magnetic Fields on Human Bodies. , 2023, , 239-261.   |     | 0         |
| 1272 | Experimental environment improves the reliability of short-latency afferent inhibition. PLoS ONE, 2023, 18, e0281867.  | 1.1 | 0         |
| 1273 | Covariation of the amplitude and latency of motor evoked potentials elicited by transcranial magnetic stimulation in a resting hand muscle. Experimental Brain Research, 2023, 241, 927-936.   | 0.7 | 2         |
| 1274 | Bilateral transcranial direct current stimulation may be a feasible treatment of Parkinsonian tremor.<br>Frontiers in Neuroscience, 0, 17, .   | 1.4 | 1         |
| 1276 | Wireless stimulation of the subthalamic nucleus with nanoparticles modulates key monoaminergic<br>systems similar to contemporary deep brain stimulation. Behavioural Brain Research, 2023, 444, 114363.   | 1.2 | 1         |
| 1277 | Non-Pharmacologic Approaches to Tobacco Cessation. Respiratory Medicine, 2023, , 93-115.   | 0.1 | 0         |
| 1278 | Transcranial magnetic stimulation to frontal but not occipital cortex disrupts endogenous<br>attention. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .  | 3.3 | 14        |
| 1279 | Cognitive Effects Following Offline High-Frequency Repetitive Transcranial Magnetic Stimulation<br>(HF-rTMS) in Healthy Populations: A Systematic Review and Meta-Analysis. Neuropsychology Review,<br>2024, 34, 250-276.  | 2.5 | 4         |
| 1280 | A C-shaped miniaturized coil for transcranial magnetic stimulation in rodents. Journal of Neural Engineering, 2023, 20, 026022.  | 1.8 | 3         |
| 1281 | Investigation of in-phase bilateral exercise effects on corticospinal plasticity in relapsing remitting multiple sclerosis: A registered report single-case concurrent multiple baseline design across five subjects. PLoS ONE, 2023, 18, e0272114.                      | 1.1 | 0         |
| 1282 | Cortical plasticity differences in substance use disorders. Fundamental Research, 2023, , .  | 1.6 | 0         |
| 1283 | The perturbational map of low frequency repetitive transcranial magnetic stimulation of primary motor cortex in movement disorders. Brain Disorders, 2023, 9, 100071.  | 1.1 | 1         |
| 1284 | Narrative review of current neuromodulation modalities for spinal cord injury. Frontiers in Pain<br>Research, 0, 4, .  | 0.9 | 3         |

| #    | Article  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1285 | The current state of the art of primary motor mapping for tumor resection: A focused survey. Clinical Neurology and Neurosurgery, 2023, 229, 107685.   | 0.6 | 0         |
| 1287 | A Pilot Study on the Functional Stability of Phonation in EEG Bands After Repetitive Transcranial<br>Magnetic Stimulation in Parkinson's Disease. International Journal of Neural Systems, 2023, 33, .             | 3.2 | 2         |
| 1288 | Principles of Rehabilitation Strategies in Spinal Cord Injury. , 0, , .  |     | 0         |
| 1290 | The Possibility of Increasing the Effectiveness of Correcting Motor Skills and Cognitive Functions<br>Using Noninvasive Brain Stimulation in Humans. Neuroscience and Behavioral Physiology, 2023, 53,<br>230-241. | 0.2 | 1         |
| 1291 | The phase of plasticity-induced neurochemical changes of high-frequency repetitive transcranial magnetic stimulation are different from visual perceptual learning. Scientific Reports, 2023, 13, .                | 1.6 | 2         |
| 1293 | Transcranial magnetic stimulation attenuates hypertension in spontaneously hypertensive rats.<br>Journal of Applied Physiology, 0, , .   | 1.2 | 0         |
| 1294 | TMS-evoked responses are driven by recurrent large-scale network dynamics. ELife, 0, 12, .   | 2.8 | 7         |
| 1300 | Chapitre 3. La stimulation cÃCrÃCbrale non invasive en revalidation. , 2016, , 37-49.  |     | 0         |
| 1302 | Integrated Methods of Neuromodulation for Guiding Recovery Following Stroke. Contemporary Clinical Neuroscience, 2023, , 209-217.  | 0.3 | 0         |
| 1331 | Wireless Magnetoelectric Neural Interfaces. , 2023, , .  |     | 0         |
| 1341 | Simplified Magnetic Flux Density Measurement for Local Resolution Analysis of Transcranial Magnetic Stimulation. , 2023, , .   |     | 0         |
| 1368 | Hardware Powered Ultra Low Latency (HarPULL) Brain-State Dependent TMS Technology. , 2023, , .   |     | 0         |
| 1385 | Driving innovation in addiction treatment: role of transcranial magnetic stimulation. Journal of Neural Transmission, 0, , .   | 1.4 | 0         |