

Walter Paulus

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

438
papers

46,168
citations

113
h-index

205
g-index

467
ext. papers

53,822
ext. citations

4.8
avg, IF

7.52
L-index

#	Paper	IF	Citations
438	Directionality of the injected current targeting the P20/N20 source determines the efficacy of 140 Hz transcranial alternating current stimulation (tACS)-induced aftereffects in the somatosensory cortex.. <i>PLoS ONE</i> , 2022 , 17, e0266107	3.7	0
437	The role of the TMS parameters for activation of the corticospinal pathway to the diaphragm.. <i>Clinical Neurophysiology</i> , 2022 , 138, 173-185	4.3	
436	Stuttering severity relates to frontotemporal low-beta synchronization during pre-speech preparation.. <i>Clinical Neurophysiology</i> , 2022 , 138, 84-96	4.3	3
435	Effect of Pulse Duration and Direction on Plasticity Induced by 5 Hz Repetitive Transcranial Magnetic Stimulation in Correlation With Neuronal Depolarization.. <i>Frontiers in Neuroscience</i> , 2021 , 15, 773792	5.1	1
434	Fluency shaping increases integration of the command-to-execution and the auditory-to-motor pathways in persistent developmental stuttering. <i>NeuroImage</i> , 2021 , 245, 118736	7.9	1
433	Selecting stimulation intensity in repetitive transcranial magnetic stimulation studies: A systematic review between 1991 and 2020. <i>European Journal of Neuroscience</i> , 2021 , 53, 3404-3415	3.5	3
432	The roles of caffeine and corticosteroids in modulating cortical excitability after paired associative stimulation (PAS) and transcranial alternating current stimulation (tACS) in caffeine-naïve and caffeine-adapted subjects. <i>Psychoneuroendocrinology</i> , 2021 , 127, 105201	5	1
431	Confounding effects of caffeine on neuroplasticity induced by transcranial alternating current stimulation and paired associative stimulation. <i>Clinical Neurophysiology</i> , 2021 , 132, 1367-1379	4.3	2
430	Short-lived Alpha Power Suppression Induced by Low-intensity Arrhythmic rTMS. <i>Neuroscience</i> , 2021 , 466, 1-9	3.9	
429	Training in the practice of noninvasive brain stimulation: Recommendations from an IFCN committee. <i>Clinical Neurophysiology</i> , 2021 , 132, 819-837	4.3	10
428	Safety and recommendations for TMS use in healthy subjects and patient populations, with updates on training, ethical and regulatory issues: Expert Guidelines. <i>Clinical Neurophysiology</i> , 2021 , 132, 269-306	4.3	130
427	Basic Mechanisms of Transcranial Alternating Current and Random Noise Stimulation 2021 , 21-28		
426	Noradrenergic Enhancement of Motor Learning, Attention, and Working Memory in Humans. <i>International Journal of Neuropsychopharmacology</i> , 2021 , 24, 490-498	5.8	0
425	Enlarged Area of Mesencephalic Iron Deposits in Adults Who Stutter. <i>Frontiers in Human Neuroscience</i> , 2021 , 15, 639269	3.3	2
424	Isometric agonist and antagonist muscle activation interacts differently with 140-Hz transcranial alternating current stimulation aftereffects at different intensities. <i>Journal of Neurophysiology</i> , 2021 , 126, 340-348	3.2	0
423	A novel likely pathogenic heterozygous HECW2 missense variant in a family with variable expressivity of neurodevelopmental delay, hypotonia, and epileptiform EEG patterns. <i>American Journal of Medical Genetics, Part A</i> , 2021 , 185, 3838-3843	2.5	1
422	Two cortical representations of voice control are differentially involved in speech fluency. <i>Brain Communications</i> , 2021 , 3, fcaa232	4.5	3

4 ²¹	Default mode network alterations after intermittent theta burst stimulation in healthy subjects. <i>Translational Psychiatry</i> , 2020 , 10, 75	8.6	5
4 ²⁰	EEG Cross-Frequency Transcranial Alternating Current Stimulation over the Trough Impairs Cognitive Control. <i>ENeuro</i> , 2020 , 7,	3.9	10
4 ¹⁹	Possible role of backpropagating action potentials in corticospinal neurons in I-wave periodicity following a TMS pulse. <i>Neuroscience Research</i> , 2020 , 156, 234-236	2.9	5
4 ¹⁸	Evidence-based guidelines on the therapeutic use of repetitive transcranial magnetic stimulation (rTMS): An update (2014-2018). <i>Clinical Neurophysiology</i> , 2020 , 131, 474-528	4.3	4 ¹¹
4 ¹⁷	Current intensity- and polarity-specific online and aftereffects of transcranial direct current stimulation: An fMRI study. <i>Human Brain Mapping</i> , 2020 , 41, 1644-1666	5.9	24
4 ¹⁶	Model-driven neuromodulation of the right posterior region promotes encoding of long-term memories. <i>Brain Stimulation</i> , 2020 , 13, 474-483	5.1	8
4 ¹⁵	Transcranial alternating current stimulation induced excitatory aftereffects are abolished by decaffeinated espresso and reversed into inhibition by espresso with caffeine. <i>Clinical Neurophysiology</i> , 2020 , 131, 778-779	4.3	3
4 ¹⁴	Identification of Restless Legs Syndrome Genes by Mutational Load Analysis. <i>Annals of Neurology</i> , 2020 , 87, 184-193	9.4	9
4 ¹³	Low Intensity, Transcranial, Alternating Current Stimulation Reduces Migraine Attack Burden in a Home Application Set-Up: A Double-Blinded, Randomized Feasibility Study. <i>Brain Sciences</i> , 2020 , 10,	3.4	2
4 ¹²	Weak rTMS-induced electric fields produce neural entrainment in humans. <i>Scientific Reports</i> , 2020 , 10, 11994	4.9	13
4 ¹¹	A proposal for new diagnostic criteria for ALS. <i>Clinical Neurophysiology</i> , 2020 , 131, 1975-1978	4.3	9 ¹
4 ¹⁰	Current Methods and Approaches of Noninvasive Direct CurrentBased Neuromodulation Techniques 2019 , 115-131		1
4 ⁰⁹	Mechanisms of Acute and After Effects of Transcranial Direct Current Stimulation 2019 , 81-113		12
4 ⁰⁸	Pharmacological treatments of augmentation in restless legs syndrome patients. <i>Advances in Pharmacology</i> , 2019 , 84, 255-265	5.7	1
4 ⁰⁷	Neuronal tuning: Selective targeting of neuronal populations via manipulation of pulse width and directionality. <i>Brain Stimulation</i> , 2019 , 12, 1244-1252	5.1	6
4 ⁰⁶	Blinding is compromised for transcranial direct current stimulation at 1mA for 20min in young healthy adults. <i>European Journal of Neuroscience</i> , 2019 , 50, 3261-3268	3.5	45
4 ⁰⁵	Personalized repetitive transcranial magnetic stimulation temporarily alters default mode network in healthy subjects. <i>Scientific Reports</i> , 2019 , 9, 5631	4.9	14
4 ⁰⁴	Modulation of Conflict Processing by Theta-Range tACS over the Dorsolateral Prefrontal Cortex. <i>Neural Plasticity</i> , 2019 , 2019, 6747049	3.3	11

403	Repetitive transcranial magnetic stimulation in stroke rehabilitation: review of the current evidence and pitfalls. <i>Therapeutic Advances in Neurological Disorders</i> , 2019 , 12, 1756286419878317	6.6	59
402	Hand Motor Cortex Excitability During Speaking in Persistent Developmental Stuttering. <i>Frontiers in Human Neuroscience</i> , 2019 , 13, 349	3.3	1
401	Constrained maximum intensity optimized multi-electrode tDCS targeting of human somatosensory network. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 5894-5897	0.9	7
400	No Evidence for Dystonia-Like Sensory Overflow of Tongue Representations in Adults Who Stutter. <i>Frontiers in Human Neuroscience</i> , 2019 , 13, 336	3.3	1
399	I contributes to increased motoneuron excitability in restless legs syndrome. <i>Journal of Physiology</i> , 2019 , 597, 599-609	3.9	2
398	Effects of electrode angle-orientation on the impact of transcranial direct current stimulation on motor cortex excitability. <i>Brain Stimulation</i> , 2019 , 12, 263-266	5.1	17
397	Focal visual status epilepticus 2019 , 21, 102-107		
396	Clinical and electrophysiological impact of repetitive low-frequency transcranial magnetic stimulation on the sensory-motor network in patients with restless legs syndrome. <i>Therapeutic Advances in Neurological Disorders</i> , 2018 , 11, 1756286418759973	6.6	43
395	Effects of anodal transcranial direct current stimulation over lower limb primary motor cortex on motor learning in healthy individuals. <i>European Journal of Neuroscience</i> , 2018 , 47, 779-789	3.5	11
394	Perturbation of theta-gamma coupling at the temporal lobe hinders verbal declarative memory. <i>Brain Stimulation</i> , 2018 , 11, 509-517	5.1	22
393	TMS of primary motor cortex with a biphasic pulse activates two independent sets of excitable neurones. <i>Brain Stimulation</i> , 2018 , 11, 558-565	5.1	26
392	Structural connectivity of right frontal hyperactive areas scales with stuttering severity. <i>Brain</i> , 2018 , 141, 191-204	11.2	48
391	Altered morphology of the nucleus accumbens in persistent developmental stuttering. <i>Journal of Fluency Disorders</i> , 2018 , 55, 84-93	2.3	5
390	Effects of Cathode Location and the Size of Anode on Anodal Transcranial Direct Current Stimulation Over the Leg Motor Area in Healthy Humans. <i>Frontiers in Neuroscience</i> , 2018 , 12, 443	5.1	25
389	Nicotinic Restoration of Excitatory Neuroplasticity Is Linked to Improved Implicit Motor Learning Skills in Deprived Smokers. <i>Frontiers in Neurology</i> , 2018 , 9, 367	4.1	6
388	Less Might Be More: Conduction Failure as a Factor Possibly Limiting the Efficacy of Higher Frequencies in rTMS Protocols. <i>Frontiers in Neuroscience</i> , 2018 , 12, 358	5.1	4
387	Shifted dynamic interactions between subcortical nuclei and inferior frontal gyri during response preparation in persistent developmental stuttering. <i>Brain Structure and Function</i> , 2018 , 223, 165-182	4	11
386	Evidence for Cognitive Placebo and Nocebo Effects in Healthy Individuals. <i>Scientific Reports</i> , 2018 , 8, 17443	4.9	19

385	Adults who stutter lack the specialised pre-speech facilitation found in non-stutterers. <i>PLoS ONE</i> , 2018 , 13, e0202634	3.7	4
384	Nicotine modulates human brain plasticity via calcium-dependent mechanisms. <i>Journal of Physiology</i> , 2018 , 596, 5429-5441	3.9	14
383	On ways to overcome the magical capacity limit of working memory. <i>PLoS Biology</i> , 2018 , 16, e2005867	9.7	8
382	Intrahemispheric theta rhythm desynchronization impairs working memory. <i>Restorative Neurology and Neuroscience</i> , 2017 , 35, 147-158	2.8	30
381	Repeated anodal transcranial direct current stimulation induces neural plasticity-associated gene expression in the rat cortex and hippocampus. <i>Restorative Neurology and Neuroscience</i> , 2017 , 35, 137-146	2.8	25
380	Effects of tDCS on motor learning and memory formation: A consensus and critical position paper. <i>Clinical Neurophysiology</i> , 2017 , 128, 589-603	4.3	166
379	Placebo Intervention Enhances Reward Learning in Healthy Individuals. <i>Scientific Reports</i> , 2017 , 7, 41028	4.9	10
378	Acute and Chronic Noradrenergic Effects on Cortical Excitability in Healthy Humans. <i>International Journal of Neuropsychopharmacology</i> , 2017 , 20, 634-643	5.8	13
377	Low intensity transcranial electric stimulation: Safety, ethical, legal regulatory and application guidelines. <i>Clinical Neurophysiology</i> , 2017 , 128, 1774-1809	4.3	478
376	Diverging effects of nicotine on motor learning performance: Improvement in deprived smokers and attenuation in non-smokers. <i>Addictive Behaviors</i> , 2017 , 74, 90-97	4.2	9
375	Plasticity induced by non-invasive transcranial brain stimulation: A position paper. <i>Clinical Neurophysiology</i> , 2017 , 128, 2318-2329	4.3	163
374	Paired associative stimulation goes spinal. <i>Journal of Physiology</i> , 2017 , 595, 6805-6806	3.9	1
373	Identification of novel risk loci for restless legs syndrome in genome-wide association studies in individuals of European ancestry: a meta-analysis. <i>Lancet Neurology</i> , 2017 , 16, 898-907	24.1	121
372	Biomarkers predict outcome in Charcot-Marie-Tooth disease 1A. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2017 , 88, 941-952	5.5	14
371	The associative brain at work: Evidence from paired associative stimulation studies in humans. <i>Clinical Neurophysiology</i> , 2017 , 128, 2140-2164	4.3	76
370	Dopamine D3 receptor status modulates sexual dimorphism in voluntary wheel running behavior in mice. <i>Behavioural Brain Research</i> , 2017 , 333, 235-241	3.4	10
369	Current direction-dependent modulation of human hand motor function by intermittent theta burst stimulation (iTBS). <i>Neuroscience Letters</i> , 2017 , 650, 109-113	3.3	9
368	Sicherheit der transkraniellen magnetischen oder elektrischen Hirnstimulation. <i>Klinische Neurophysiologie</i> , 2017 , 48, 17-20	0.2	

367	New Results on Brain Stimulation in Chronic Pain. <i>Neurology International Open</i> , 2017 , 01, E312-E315		3
366	Evidence-based guidelines on the therapeutic use of transcranial direct current stimulation (tDCS). <i>Clinical Neurophysiology</i> , 2017 , 128, 56-92	4.3	750
365	Acute and chronic effects of noradrenergic enhancement on transcranial direct current stimulation-induced neuroplasticity in humans. <i>Journal of Physiology</i> , 2017 , 595, 1305-1314	3.9	27
364	Systematic evaluation of the impact of stimulation intensity on neuroplastic after-effects induced by transcranial direct current stimulation. <i>Journal of Physiology</i> , 2017 , 595, 1273-1288	3.9	189
363	Central and peripheral nervous system excitability in restless legs syndrome. <i>Sleep Medicine</i> , 2017 , 31, 49-60	4.6	52
362	Neues zur Hirnstimulation bei chronischen Schmerzen. <i>Aktuelle Neurologie</i> , 2017 , 44, 728-732		
361	Efficient Killing of Murine Pluripotent Stem Cells by Natural Killer (NK) Cells Requires Activation by Cytokines and Partly Depends on the Activating NK Receptor NKG2D. <i>Frontiers in Immunology</i> , 2017 , 8, 870	8.4	10
360	Influence of Concurrent Finger Movements on Transcranial Direct Current Stimulation (tDCS)-Induced Aftereffects. <i>Frontiers in Behavioral Neuroscience</i> , 2017 , 11, 169	3.5	3
359	Anodal tDCS Over the Left DLPFC Did Not Affect the Encoding and Retrieval of Verbal Declarative Information. <i>Frontiers in Neuroscience</i> , 2017 , 11, 452	5.1	13
358	Mechanisms of Nicotinic Modulation of Glutamatergic Neuroplasticity in Humans. <i>Cerebral Cortex</i> , 2017 , 27, 544-553	5.1	13
357	Chronic Enhancement of Serotonin Facilitates Excitatory Transcranial Direct Current Stimulation-Induced Neuroplasticity. <i>Neuropsychopharmacology</i> , 2016 , 41, 1223-30	8.7	48
356	Left posterior-dorsal area 44 couples with parietal areas to promote speech fluency, while right area 44 activity promotes the stopping of motor responses. <i>NeuroImage</i> , 2016 , 142, 628-644	7.9	38
355	The New Modalities of Transcranial Electric Stimulation: tACS, tRNS, and Other Approaches 2016 , 21-28		0
354	A technical guide to tDCS, and related non-invasive brain stimulation tools. <i>Clinical Neurophysiology</i> , 2016 , 127, 1031-1048	4.3	661
353	Monitoring transcranial direct current stimulation induced changes in cortical excitability during the serial reaction time task. <i>Neuroscience Letters</i> , 2016 , 616, 98-104	3.3	18
352	Restless legs syndrome associated with major diseases: A systematic review and new concept. <i>Neurology</i> , 2016 , 86, 1336-1343	6.5	197
351	Transcranial electrical stimulation of the occipital cortex during visual perception modifies the magnitude of BOLD activity: A combined tES-fMRI approach. <i>NeuroImage</i> , 2016 , 140, 110-7	7.9	33
350	D-Cycloserine in Neuropsychiatric Diseases: A Systematic Review. <i>International Journal of Neuropsychopharmacology</i> , 2016 , 19,	5.8	57

349	5 kHz Transcranial Alternating Current Stimulation: Lack of Cortical Excitability Changes When Grouped in a Theta Burst Pattern. <i>Frontiers in Human Neuroscience</i> , 2016 , 10, 683	3.3	10
348	Alternating Current Stimulation for Vision Restoration after Optic Nerve Damage: A Randomized Clinical Trial. <i>PLoS ONE</i> , 2016 , 11, e0156134	3.7	67
347	Application of Transcranial Electric Stimulation (tDCS, tACS, tRNS). <i>European Psychologist</i> , 2016 , 21, 4-14	4.4	24
346	New-Onset Headache in Patients With Autoimmune Encephalitis Is Associated With anti-NMDA-Receptor Antibodies. <i>Headache</i> , 2016 , 56, 995-1003	4.2	6
345	Treatment of Chronic inflammatory polyneuropathy may improve associated hearing loss: a case report and review of The literature. <i>Muscle and Nerve</i> , 2016 , 53, 828-9	3.4	3
344	Membrane resistance and shunting inhibition: where biophysics meets state-dependent human neurophysiology. <i>Journal of Physiology</i> , 2016 , 594, 2719-28	3.9	46
343	After-effects of anodal transcranial direct current stimulation on the excitability of the motor cortex in rats. <i>Restorative Neurology and Neuroscience</i> , 2016 , 34, 859-68	2.8	11
342	The effect of current flow direction on motor hot spot allocation by transcranial magnetic stimulation. <i>Physiological Reports</i> , 2016 , 4, e12666	2.6	8
341	Strength-Duration Relationship in Paired-pulse Transcranial Magnetic Stimulation (TMS) and Its Implications for Repetitive TMS. <i>Brain Stimulation</i> , 2016 , 9, 755-761	5.1	12
340	Spatial Working Memory in Humans Depends on Theta and High Gamma Synchronization in the Prefrontal Cortex. <i>Current Biology</i> , 2016 , 26, 1513-1521	6.3	134
339	Speech dynamics are coded in the left motor cortex in fluent speakers but not in adults who stutter. <i>Brain</i> , 2015 , 138, 712-25	11.2	47
338	Double dissociation of working memory and attentional processes in smokers and non-smokers with and without nicotine. <i>Psychopharmacology</i> , 2015 , 232, 2491-501	4.7	32
337	Restless legs syndrome-current therapies and management of augmentation. <i>Nature Reviews Neurology</i> , 2015 , 11, 434-45	15	60
336	Parietal transcranial direct current stimulation modulates primary motor cortex excitability. <i>European Journal of Neuroscience</i> , 2015 , 41, 845-55	3.5	27
335	Effect of the Nicotinic $\alpha 7$ -receptor Partial Agonist Varenicline on Non-invasive Brain Stimulation-Induced Neuroplasticity in the Human Motor Cortex. <i>Cerebral Cortex</i> , 2015 , 25, 3249-59	5.1	23
334	When battery exhaustion lets the lame walk: a case report on the importance of long-term stimulator monitoring in deep brain stimulation. <i>BMC Neurology</i> , 2015 , 15, 113	3.1	4
333	Increased HCN channel driven inward rectification in benign cramp fasciculation syndrome. <i>Brain</i> , 2015 , 138, 3168-79	11.2	16
332	Transcranial Direct Current Stimulation: Protocols and Physiological Mechanisms of Action 2015 , 101-111		13

331	Transcranial direct current stimulation over the left prefrontal cortex increases randomness of choice in instrumental learning. <i>Cortex</i> , 2015 , 63, 145-54	3.8	13
330	Transcranial random noise stimulation-induced plasticity is NMDA-receptor independent but sodium-channel blocker and benzodiazepines sensitive. <i>Frontiers in Neuroscience</i> , 2015 , 9, 125	5.1	62
329	Neuroplastic effects of transcranial near-infrared stimulation (tNIRS) on the motor cortex. <i>Frontiers in Behavioral Neuroscience</i> , 2015 , 9, 147	3.5	10
328	Bi-frontal transcranial alternating current stimulation in the ripple range reduced overnight forgetting. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 374	6.1	13
327	Separating recognition processes of declarative memory via anodal tDCS: boosting old item recognition by temporal and new item detection by parietal stimulation. <i>PLoS ONE</i> , 2015 , 10, e0123085	3.7	26
326	Reproducibility of the Structural Brain Connectome Derived from Diffusion Tensor Imaging. <i>PLoS ONE</i> , 2015 , 10, e0135247	3.7	59
325	Prophylactic treatment in menstrual migraine: A proof-of-concept study. <i>Journal of the Neurological Sciences</i> , 2015 , 354, 103-9	3.2	26
324	Non-invasive electrical and magnetic stimulation of the brain, spinal cord, roots and peripheral nerves: Basic principles and procedures for routine clinical and research application. An updated report from an I.F.C.N. Committee. <i>Clinical Neurophysiology</i> , 2015 , 126, 1071-1107	4.3	1326
323	Right hemisphere advantage in statistical learning: evidence from a probabilistic sequence learning task. <i>Brain Stimulation</i> , 2015 , 8, 277-82	5.1	26
322	Determinants of the electric field during transcranial direct current stimulation. <i>NeuroImage</i> , 2015 , 109, 140-50	7.9	370
321	Facilitating myoelectric-control with transcranial direct current stimulation: a preliminary study in healthy humans. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014 , 11, 13	5.3	37
320	Transcranial electrical stimulation modifies the neuronal response to psychosocial stress exposure. <i>Human Brain Mapping</i> , 2014 , 35, 3750-9	5.9	35
319	Induction of self awareness in dreams through frontal low current stimulation of gamma activity. <i>Nature Neuroscience</i> , 2014 , 17, 810-2	25.5	217
318	Selected items from the Charcot-Marie-Tooth (CMT) Neuropathy Score and secondary clinical outcome measures serve as sensitive clinical markers of disease severity in CMT1A patients. <i>Neuromuscular Disorders</i> , 2014 , 24, 1003-17	2.9	22
317	Ceiling effects prevent further improvement of transcranial stimulation in skilled musicians. <i>Journal of Neuroscience</i> , 2014 , 34, 13834-9	6.6	70
316	Effects of transcutaneous spinal direct current stimulation in idiopathic restless legs patients. <i>Brain Stimulation</i> , 2014 , 7, 636-42	5.1	54
315	Effects of Transcranial Electrical Stimulation on Sensory Functions 2014 , 181-205		1
314	Idiopathic-generalized epilepsy shows profound white matter diffusion-tensor imaging alterations. <i>Human Brain Mapping</i> , 2014 , 35, 3332-42	5.9	39

313	Induction of Cortical Plasticity: Clinical Applications. <i>Biosystems and Biorobotics</i> , 2014 , 3-7	0.2	1
312	Imaging artifacts induced by electrical stimulation during conventional fMRI of the brain. <i>NeuroImage</i> , 2014 , 85 Pt 3, 1040-7	7.9	94
311	Evidence-based guidelines on the therapeutic use of repetitive transcranial magnetic stimulation (rTMS). <i>Clinical Neurophysiology</i> , 2014 , 125, 2150-2206	4.3	1209
310	When size matters: large electrodes induce greater stimulation-related cutaneous discomfort than smaller electrodes at equivalent current density. <i>Brain Stimulation</i> , 2014 , 7, 460-7	5.1	35
309	Therapeutic effects of non-invasive brain stimulation with direct currents (tDCS) in neuropsychiatric diseases. <i>NeuroImage</i> , 2014 , 85 Pt 3, 948-60	7.9	276
308	Transcranial brain stimulation: potential and limitations. <i>E-Neuroforum</i> , 2014 , 20,		1
307	Is sham cTBS real cTBS? The effect on EEG dynamics. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 1043	3.3	26
306	Solving the orientation specific constraints in transcranial magnetic stimulation by rotating fields. <i>PLoS ONE</i> , 2014 , 9, e86794	3.7	15
305	Transkranielle Hirnstimulation: Möglichkeiten und Grenzen. <i>E-Neuroforum</i> , 2014 , 20, 202-211		
304	Do manual and voxel-based morphometry measure the same? A proof of concept study. <i>Frontiers in Psychiatry</i> , 2014 , 5, 39	5	16
303	Increasing human leg motor cortex excitability by transcranial high frequency random noise stimulation. <i>Restorative Neurology and Neuroscience</i> , 2014 , 32, 403-10	2.8	29
302	Impact of transcranial direct current stimulation on fatigue in multiple sclerosis. <i>Restorative Neurology and Neuroscience</i> , 2014 , 32, 423-36	2.8	60
301	Surmounting retraining limits in musicians' dystonia by transcranial stimulation. <i>Annals of Neurology</i> , 2014 , 75, 700-7	9.4	61
300	Dosage-dependent effect of dopamine D2 receptor activation on motor cortex plasticity in humans. <i>Journal of Neuroscience</i> , 2014 , 34, 10701-9	6.6	51
299	Nonlinear dose-dependent impact of D1 receptor activation on motor cortex plasticity in humans. <i>Journal of Neuroscience</i> , 2014 , 34, 2744-53	6.6	60
298	Safety of 5 kHz tACS. <i>Brain Stimulation</i> , 2014 , 7, 92-6	5.1	20
297	Validating computationally predicted TMS stimulation areas using direct electrical stimulation in patients with brain tumors near precentral regions. <i>NeuroImage: Clinical</i> , 2014 , 4, 500-7	5.3	46
296	Neuroscientists do not use non-invasive brain stimulation on themselves for neural enhancement. <i>Brain Stimulation</i> , 2014 , 7, 618-9	5.1	10

295	Embryonic stem cell-derived neural progenitors as non-tumorigenic source for dopaminergic neurons. <i>World Journal of Stem Cells</i> , 2014 , 6, 248-55	5.6	9
294	Blood cis-eQTL analysis fails to identify novel association signals among sub-threshold candidates from genome-wide association studies in restless legs syndrome. <i>PLoS ONE</i> , 2014 , 9, e98092	3.7	1
293	Cortical excitability in smoking and not smoking individuals with and without nicotine. <i>Psychopharmacology</i> , 2013 , 229, 653-64	4.7	35
292	Early optimization in finger dexterity of skilled pianists: implication of transcranial stimulation. <i>BMC Neuroscience</i> , 2013 , 14, 35	3.2	21
291	Transcranial electric and magnetic stimulation: technique and paradigms. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2013 , 116, 329-42	3	49
290	Induction of late LTP-like plasticity in the human motor cortex by repeated non-invasive brain stimulation. <i>Brain Stimulation</i> , 2013 , 6, 424-32	5.1	506
289	Comparing cortical plasticity induced by conventional and high-definition 4 \square ring tDCS: a neurophysiological study. <i>Brain Stimulation</i> , 2013 , 6, 644-8	5.1	370
288	Pharmacological blockade and genetic absence of the dopamine D2 receptor specifically modulate voluntary locomotor activity in mice. <i>Behavioural Brain Research</i> , 2013 , 242, 117-24	3.4	17
287	Minocycline exerts acute inhibitory effects on cerebral cortex excitability in humans. <i>Epilepsy Research</i> , 2013 , 107, 302-5	3	8
286	Opposite optimal current flow directions for induction of neuroplasticity and excitation threshold in the human motor cortex. <i>Brain Stimulation</i> , 2013 , 6, 363-70	5.1	41
285	Translational Methods for Non-Invasive Electrical Stimulation to Facilitate Gait Rehabilitation Following Stroke - The Future Directions. <i>Neuroscience and Biomedical Engineering</i> , 2013 , 1, 22-33		6
284	Physiological observations validate finite element models for estimating subject-specific electric field distributions induced by transcranial magnetic stimulation of the human motor cortex. <i>NeuroImage</i> , 2013 , 81, 253-264	7.9	130
283	Neuromodulation of chronic headaches: position statement from the European Headache Federation. <i>Journal of Headache and Pain</i> , 2013 , 14, 86	8.8	141
282	Mechanisms of human motor cortex facilitation induced by subthreshold 5-Hz repetitive transcranial magnetic stimulation. <i>Journal of Neurophysiology</i> , 2013 , 109, 3060-6	3.2	6
281	Effect of serotonin on paired associative stimulation-induced plasticity in the human motor cortex. <i>Neuropsychopharmacology</i> , 2013 , 38, 2260-7	8.7	65
280	Partially non-linear stimulation intensity-dependent effects of direct current stimulation on motor cortex excitability in humans. <i>Journal of Physiology</i> , 2013 , 591, 1987-2000	3.9	619
279	High-frequency TRNS reduces BOLD activity during visuomotor learning. <i>PLoS ONE</i> , 2013 , 8, e59669	3.7	33
278	Transcranial alternating current stimulation (tACS). <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 317	3.3	268

277	Combining functional magnetic resonance imaging with transcranial electrical stimulation. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 435	3.3	59
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