

Marom Bikson

List of Publications by Year in descending order

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Version: 2024-02-01

286
papers

25,175
citations

10389

72
h-index

9103

144
g-index

314
all docs

314
docs citations

314
times ranked

12521
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrical stimulation of excitable tissue: design of efficacious and safe protocols. <i>Journal of Neuroscience Methods</i> , 2005, 141, 171-198.	2.5	1,738
2	Clinical research with transcranial direct current stimulation (tDCS): Challenges and future directions. <i>Brain Stimulation</i> , 2012, 5, 175-195.	1.6	1,122
3	Cyri-precise head model of transcranial direct current stimulation: Improved spatial focality using a ring electrode versus conventional rectangular pad. <i>Brain Stimulation</i> , 2009, 2, 201-207.e1.	1.6	1,038
4	Safety of Transcranial Direct Current Stimulation: Evidence Based Update 2016. <i>Brain Stimulation</i> , 2016, 9, 641-661.	1.6	971
5	Effects of uniform extracellular DC electric fields on excitability in rat hippocampal slices in vitro. <i>Journal of Physiology</i> , 2004, 557, 175-190.	2.9	629
6	Safety and recommendations for TMS use in healthy subjects and patient populations, with updates on training, ethical and regulatory issues: Expert Guidelines. <i>Clinical Neurophysiology</i> , 2021, 132, 269-306.	1.5	553
7	Role of cortical cell type and morphology in subthreshold and suprathreshold uniform electric field stimulation in vitro. <i>Brain Stimulation</i> , 2009, 2, 215-228.e3.	1.6	545
8	Comparing Cortical Plasticity Induced by Conventional and High-Definition 4x1 Ring tDCS: A Neurophysiological Study. <i>Brain Stimulation</i> , 2013, 6, 644-648.	1.6	502
9	Optimized multi-electrode stimulation increases focality and intensity at target. <i>Journal of Neural Engineering</i> , 2011, 8, 046011.	3.5	468
10	Low-Intensity Electrical Stimulation Affects Network Dynamics by Modulating Population Rate and Spike Timing. <i>Journal of Neuroscience</i> , 2010, 30, 15067-15079.	3.6	465
11	Cellular effects of acute direct current stimulation: somatic and synaptic terminal effects. <i>Journal of Physiology</i> , 2013, 591, 2563-2578.	2.9	456
12	Measurements and models of electric fields in the in vivo human brain during transcranial electric stimulation. <i>ELife</i> , 2017, 6, .	6.0	412
13	Physiological and modeling evidence for focal transcranial electrical brain stimulation in humans: A basis for high-definition tDCS. <i>NeuroImage</i> , 2013, 74, 266-275.	4.2	381
14	Fundamentals of transcranial electric and magnetic stimulation dose: Definition, selection, and reporting practices. <i>Brain Stimulation</i> , 2012, 5, 435-453.	1.6	339
15	Inter-Individual Variation during Transcranial Direct Current Stimulation and Normalization of Dose Using MRI-Derived Computational Models. <i>Frontiers in Psychiatry</i> , 2012, 3, 91.	2.6	339
16	Origins of specificity during tDCS: anatomical, activity-selective, and input-bias mechanisms. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 688.	2.0	297
17	Individualized model predicts brain current flow during transcranial direct-current stimulation treatment in responsive stroke patient. <i>Brain Stimulation</i> , 2011, 4, 169-174.	1.6	289
18	Transcranial current stimulation focality using disc and ring electrode configurations: FEM analysis. <i>Journal of Neural Engineering</i> , 2008, 5, 163-174.	3.5	282

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19	Effects of weak transcranial alternating current stimulation on brain activity—a review of known mechanisms from animal studies. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 687.	2.0	282
20	Evidence-Based Guidelines and Secondary Meta-Analysis for the Use of Transcranial Direct Current Stimulation in Neurological and Psychiatric Disorders. <i>International Journal of Neuropsychopharmacology</i> , 2021, 24, 256-313.	2.1	277
21	Direct Current Stimulation Modulates LTP and LTD: Activity Dependence and Dendritic Effects. <i>Brain Stimulation</i> , 2017, 10, 51-58.	1.6	255
22	tDCS-Induced Analgesia and Electrical Fields in Pain-Related Neural Networks in Chronic Migraine. <i>Headache</i> , 2012, 52, 1283-1295.	3.9	253
23	Computational Models of Transcranial Direct Current Stimulation. <i>Clinical EEG and Neuroscience</i> , 2012, 43, 176-183.	1.7	245
24	Spike Timing Amplifies the Effect of Electric Fields on Neurons: Implications for Endogenous Field Effects. <i>Journal of Neuroscience</i> , 2007, 27, 3030-3036.	3.6	233
25	Realistic volumetric-approach to simulate transcranial electric stimulation—ROAST—a fully automated open-source pipeline. <i>Journal of Neural Engineering</i> , 2019, 16, 056006.	3.5	229
26	Animal models of transcranial direct current stimulation: Methods and mechanisms. <i>Clinical Neurophysiology</i> , 2016, 127, 3425-3454.	1.5	224
27	A Pilot Study of the Tolerability and Effects of High-Definition Transcranial Direct Current Stimulation (HD-tDCS) on Pain Perception. <i>Journal of Pain</i> , 2012, 13, 112-120.	1.4	223
28	Electrodes for high-definition transcutaneous DC stimulation for applications in drug delivery and electrotherapy, including tDCS. <i>Journal of Neuroscience Methods</i> , 2010, 190, 188-197.	2.5	213
29	Suppression of epileptiform activity by high frequency sinusoidal fields in rat hippocampal slices. <i>Journal of Physiology</i> , 2001, 531, 181-191.	2.9	211
30	Electrode Positioning and Montage in Transcranial Direct Current Stimulation. <i>Journal of Visualized Experiments</i> , 2011, , .	0.3	205
31	Transcranial electrical and magnetic stimulation (tES and TMS) for addiction medicine: A consensus paper on the present state of the science and the road ahead. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 104, 118-140.	6.1	198
32	Transcranial direct current stimulation in patients with skull defects and skull plates: High-resolution computational FEM study of factors altering cortical current flow. <i>NeuroImage</i> , 2010, 52, 1268-1278.	4.2	186
33	Classification of methods in transcranial Electrical Stimulation (tES) and evolving strategy from historical approaches to contemporary innovations. <i>Journal of Neuroscience Methods</i> , 2013, 219, 297-311.	2.5	186
34	Noninvasive transcranial direct current stimulation over the left prefrontal cortex facilitates cognitive flexibility in tool use. <i>Cognitive Neuroscience</i> , 2013, 4, 81-89.	1.4	179
35	Brain stimulation modulates the autonomic nervous system, rating of perceived exertion and performance during maximal exercise. <i>British Journal of Sports Medicine</i> , 2015, 49, 1213-1218.	6.7	179
36	Dosage Considerations for Transcranial Direct Current Stimulation in Children: A Computational Modeling Study. <i>PLoS ONE</i> , 2013, 8, e76112.	2.5	171

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37	Focal Modulation of the Primary Motor Cortex in Fibromyalgia Using 4x1-Ring High-Definition Transcranial Direct Current Stimulation (HD-tDCS): Immediate and Delayed Analgesic Effects of Cathodal and Anodal Stimulation. <i>Journal of Pain</i> , 2013, 14, 371-383.	1.4	166
38	Computational modeling of transcranial direct current stimulation (tDCS) in obesity: Impact of head fat and dose guidelines. <i>NeuroImage: Clinical</i> , 2013, 2, 759-766.	2.7	160
39	Local Suppression of Epileptiform Activity by Electrical Stimulation in Rat Hippocampus <i>In Vitro</i> . <i>Journal of Physiology</i> , 2003, 547, 427-434.	2.9	159
40	Mechanisms and Effects of Transcranial Direct Current Stimulation. Dose-Response, 2017, 15, 155932581668546.	1.6	147
41	Rigor and reproducibility in research with transcranial electrical stimulation: An NIMH-sponsored workshop. <i>Brain Stimulation</i> , 2018, 11, 465-480.	1.6	144
42	Transcranial DC Stimulation in Fibromyalgia: Optimized Cortical Target Supported by High-Resolution Computational Models. <i>Journal of Pain</i> , 2011, 12, 610-617.	1.4	143
43	International Consensus Based Review and Recommendations for Minimum Reporting Standards in Research on Transcutaneous Vagus Nerve Stimulation (Version 2020). <i>Frontiers in Human Neuroscience</i> , 2020, 14, 568051.	2.0	143
44	Targeted transcranial direct current stimulation for rehabilitation after stroke. <i>NeuroImage</i> , 2013, 75, 12-19.	4.2	142
45	Remotely-supervised transcranial direct current stimulation (tDCS) for clinical trials: guidelines for technology and protocols. <i>Frontiers in Systems Neuroscience</i> , 2015, 9, 26.	2.5	142
46	Technique and Considerations in the Use of 4x1 Ring High-definition Transcranial Direct Current Stimulation (HD-tDCS). <i>Journal of Visualized Experiments</i> , 2013, , e50309.	0.3	141
47	Incomplete evidence that increasing current intensity of tDCS boosts outcomes. <i>Brain Stimulation</i> , 2018, 11, 310-321.	1.6	141
48	Sham tDCS: A hidden source of variability? Reflections for further blinded, controlled trials. <i>Brain Stimulation</i> , 2019, 12, 668-673.	1.6	137
49	Effects of Applied Electric Fields on Low-Calcium Epileptiform Activity in the CA1 Region of Rat Hippocampal Slices. <i>Journal of Neurophysiology</i> , 2000, 84, 274-280.	1.8	133
50	Spatial and polarity precision of concentric high-definition transcranial direct current stimulation (HD-tDCS). <i>Physics in Medicine and Biology</i> , 2016, 61, 4506-4521.	3.0	131
51	Bio-heat transfer model of deep brain stimulation-induced temperature changes. <i>Journal of Neural Engineering</i> , 2006, 3, 306-315.	3.5	128
52	Toward rational design of electrical stimulation strategies for epilepsy control. <i>Epilepsy and Behavior</i> , 2010, 17, 6-22.	1.7	126
53	Longitudinal Neurostimulation in Older Adults Improves Working Memory. <i>PLoS ONE</i> , 2015, 10, e0121904.	2.5	126
54	The Pursuit of DLPFC: Non-neuronavigated Methods to Target the Left Dorsolateral Pre-frontal Cortex With Symmetric Bicephalic Transcranial Direct Current Stimulation (tDCS). <i>Brain Stimulation</i> , 2015, 8, 590-602.	1.6	121

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55	tDCS changes in motor excitability are specific to orientation of current flow. <i>Brain Stimulation</i> , 2018, 11, 289-298.	1.6	120
56	Imaging artifacts induced by electrical stimulation during conventional fMRI of the brain. <i>NeuroImage</i> , 2014, 85, 1040-1047.	4.2	117
57	Clinically Effective Treatment of Fibromyalgia Pain With High-Definition Transcranial Direct Current Stimulation: Phase II Open-Label Dose Optimization. <i>Journal of Pain</i> , 2016, 17, 14-26.	1.4	111
58	Depolarization Block of Neurons During Maintenance of Electrographic Seizures. <i>Journal of Neurophysiology</i> , 2003, 90, 2402-2408.	1.8	107
59	State-of-art neuroanatomical target analysis of high-definition and conventional tDCS montages used for migraine and pain control. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 89.	1.7	107
60	Direct Current Stimulation Alters Neuronal Input/Output Function. <i>Brain Stimulation</i> , 2017, 10, 36-45.	1.6	107
61	Validation of finite element model of transcranial electrical stimulation using scalp potentials: implications for clinical dose. <i>Journal of Neural Engineering</i> , 2013, 10, 036018.	3.5	106
62	Predicting the behavioral impact of transcranial direct current stimulation: issues and limitations. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 613.	2.0	105
63	Effects of 6-month at-home transcranial direct current stimulation on cognition and cerebral glucose metabolism in Alzheimer's disease. <i>Brain Stimulation</i> , 2019, 12, 1222-1228.	1.6	104
64	Direct current stimulation boosts hebbian plasticity in vitro. <i>Brain Stimulation</i> , 2020, 13, 287-301.	1.6	103
65	High-Resolution Modeling Assisted Design of Customized and Individualized Transcranial Direct Current Stimulation Protocols. <i>Neuromodulation</i> , 2012, 15, 306-315.	0.8	99
66	Left lateralizing transcranial direct current stimulation improves reading efficiency. <i>Brain Stimulation</i> , 2012, 5, 201-207.	1.6	93
67	Effect of transcranial direct current stimulation on exercise performance: A systematic review and meta-analysis. <i>Brain Stimulation</i> , 2019, 12, 593-605.	1.6	91
68	Cranial electrotherapy stimulation and transcranial pulsed current stimulation: A computer based high-resolution modeling study. <i>NeuroImage</i> , 2013, 65, 280-287.	4.2	90
69	Beyond the target area: an integrative view of tDCS-induced motor cortex modulation in patients and athletes. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019, 16, 141.	4.6	89
70	Evidence of transcranial direct current stimulation-generated electric fields at subthalamic level in human brain in vivo. <i>Brain Stimulation</i> , 2018, 11, 727-733.	1.6	86
71	Remotely supervised transcranial direct current stimulation for the treatment of fatigue in multiple sclerosis: Results from a randomized, sham-controlled trial. <i>Multiple Sclerosis Journal</i> , 2018, 24, 1760-1769.	3.0	86
72	Transcranial electrical stimulation nomenclature. <i>Brain Stimulation</i> , 2019, 12, 1349-1366.	1.6	84

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73	Electrical stimulation of cranial nerves in cognition and disease. <i>Brain Stimulation</i> , 2020, 13, 717-750.	1.6	82
74	Guidelines for precise and accurate computational models of tDCS. <i>Brain Stimulation</i> , 2012, 5, 430-431.	1.6	81
75	Guidelines for TMS/tES clinical services and research through the COVID-19 pandemic. <i>Brain Stimulation</i> , 2020, 13, 1124-1149.	1.6	78
76	Tragus or cymba conchae? Investigating the anatomical foundation of transcutaneous auricular vagus nerve stimulation (taVNS). <i>Brain Stimulation</i> , 2018, 11, 947-948.	1.6	77
77	Neuromodulation of Axon Terminals. <i>Cerebral Cortex</i> , 2018, 28, 2786-2794.	2.9	75
78	High-Resolution Multi-Scale Computational Model for Non-Invasive Cervical Vagus Nerve Stimulation. <i>Neuromodulation</i> , 2018, 21, 261-268.	0.8	75
79	Transcranial Electrical Stimulation Accelerates Human Sleep Homeostasis. <i>PLoS Computational Biology</i> , 2013, 9, e1002898.	3.2	74
80	Intensity, Duration, and Location of High-Definition Transcranial Direct Current Stimulation for Tinnitus Relief. <i>Neurorehabilitation and Neural Repair</i> , 2016, 30, 349-359.	2.9	74
81	Supervised transcranial direct current stimulation (tDCS) at home: A guide for clinical research and practice. <i>Brain Stimulation</i> , 2020, 13, 686-693.	1.6	73
82	Bio-Heat Transfer Model of Deep Brain Stimulation Induced Temperature changes. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	73
83	Safety parameter considerations of anodal transcranial Direct Current Stimulation in rats. <i>Brain, Behavior, and Immunity</i> , 2017, 64, 152-161.	4.1	72
84	Building up Analgesia in Humans via the Endogenous μ -Opioid System by Combining Placebo and Active tDCS: A Preliminary Report. <i>PLoS ONE</i> , 2014, 9, e102350.	2.5	71
85	Modulation of Burst Frequency, Duration, and Amplitude in the Zero-Ca ²⁺ Model of Epileptiform Activity. <i>Journal of Neurophysiology</i> , 1999, 82, 2262-2270.	1.8	70
86	The "Quasi-Uniform" Assumption in Animal and Computational Models of Non-Invasive Electrical Stimulation. <i>Brain Stimulation</i> , 2013, 6, 704-705.	1.6	69
87	Methodology for tDCS integration with fMRI. <i>Human Brain Mapping</i> , 2020, 41, 1950-1967.	3.6	69
88	Transcranial Direct Current Stimulation Is Feasible for Remotely Supervised Home Delivery in Multiple Sclerosis. <i>Neuromodulation</i> , 2016, 19, 824-831.	0.8	67
89	Remotely Supervised Transcranial Direct Current Stimulation Increases the Benefit of At-Home Cognitive Training in Multiple Sclerosis. <i>Neuromodulation</i> , 2018, 21, 383-389.	0.8	66
90	Extending the parameter range for tDCS: Safety and tolerability of 4 mA stimulation. <i>Brain Stimulation</i> , 2017, 10, 541-542.	1.6	65

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91	Optimal use of EEG recordings to target active brain areas with transcranial electrical stimulation. <i>NeuroImage</i> , 2017, 157, 69-80.	4.2	64
92	Pediatric stroke and transcranial direct current stimulation: methods for rational individualized dose optimization. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 739.	2.0	63
93	Use of Computational Modeling to Inform tDCS Electrode Montages for the Promotion of Language Recovery in Post-stroke Aphasia. <i>Brain Stimulation</i> , 2015, 8, 1108-1115.	1.6	62
94	Direct current stimulation boosts synaptic gain and cooperativity <i>in vitro</i> . <i>Journal of Physiology</i> , 2017, 595, 3535-3547.	2.9	62
95	Transcranial Direct Current Stimulation and Sports Performance. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 243.	2.0	62
96	Tolerability and blinding of 4x1 high-definition transcranial direct current stimulation (HD-tDCS) at two and three milliamps. <i>Brain Stimulation</i> , 2018, 11, 991-997.	1.6	62
97	Understanding tDCS effects in schizophrenia: a systematic review of clinical data and an integrated computation modeling analysis. <i>Expert Review of Medical Devices</i> , 2014, 11, 383-394.	2.8	61
98	Generalizing remotely supervised transcranial direct current stimulation (tDCS): feasibility and benefit in Parkinson's disease. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2018, 15, 114.	4.6	61
99	Transcranial electrical stimulation motor threshold can estimate individualized tDCS dosage from reverse-calculation electric-field modeling. <i>Brain Stimulation</i> , 2020, 13, 961-969.	1.6	59
100	Temporal interference stimulation targets deep brain regions by modulating neural oscillations. <i>Brain Stimulation</i> , 2021, 14, 55-65.	1.6	59
101	A pilot study on effects of 4×1 High-Definition tDCS on motor cortex excitability. , 2012, 735-8.		58
102	High-Definition and Non-invasive Brain Modulation of Pain and Motor Dysfunction in Chronic TMD. <i>Brain Stimulation</i> , 2015, 8, 1085-1092.	1.6	58
103	Electric field causes volumetric changes in the human brain. <i>ELife</i> , 2019, 8, .	6.0	57
104	Transcranial direct current stimulation for major depression: A general system for quantifying transcranial electrotherapy dosage. <i>Current Treatment Options in Neurology</i> , 2008, 10, 377-385.	1.8	56
105	A visual and narrative timeline of US FDA milestones for Transcranial Magnetic Stimulation (TMS) devices. <i>Brain Stimulation</i> , 2022, 15, 73-75.	1.6	53
106	Methods for extra-low voltage transcranial direct current stimulation: Current and time dependent impedance decreases. <i>Clinical Neurophysiology</i> , 2013, 124, 551-556.	1.5	52
107	The value and cost of complexity in predictive modelling: role of tissue anisotropic conductivity and fibre tracts in neuromodulation. <i>Journal of Neural Engineering</i> , 2014, 11, 036002.	3.5	52
108	Clinician Accessible Tools for GUI Computational Models of Transcranial Electrical Stimulation: BONSAI and SPHERES. <i>Brain Stimulation</i> , 2014, 7, 521-524.	1.6	52

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109	Transcranial direct current stimulation in obsessive-compulsive disorder: emerging clinical evidence and considerations for optimal montage of electrodes. <i>Expert Review of Medical Devices</i> , 2015, 12, 381-391.	2.8	52
110	In-vivo Imaging of Magnetic Fields Induced by Transcranial Direct Current Stimulation (tDCS) in Human Brain using MRI. <i>Scientific Reports</i> , 2016, 6, 34385.	3.3	52
111	Modeling sequence and quasi-uniform assumption in computational neurostimulation. <i>Progress in Brain Research</i> , 2015, 222, 1-23.	1.4	51
112	Non-invasive brain stimulation and neuroenhancement. <i>Clinical Neurophysiology Practice</i> , 2022, 7, 146-165.	1.4	51
113	The Escitalopram versus Electric Current Therapy for Treating Depression Clinical Study (ELECT-TDCS): rationale and study design of a non-inferiority, triple-arm, placebo-controlled clinical trial. <i>Sao Paulo Medical Journal</i> , 2015, 133, 252-263.	0.9	50
114	Multilevel computational models for predicting the cellular effects of noninvasive brain stimulation. <i>Progress in Brain Research</i> , 2015, 222, 25-40.	1.4	49
115	Reducing Transcranial Direct Current Stimulation-Induced Erythema With Skin Pretreatment: Considerations for Sham-Controlled Clinical Trials. <i>Neuromodulation</i> , 2015, 18, 261-265.	0.8	48
116	Cerebellar tDCS: A Novel Approach to Augment Language Treatment Post-stroke. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 695.	2.0	48
117	Direct current stimulation over the anterior temporal areas boosts semantic processing in primary progressive aphasia. <i>Annals of Neurology</i> , 2016, 80, 693-707.	5.3	47
118	Direct current stimulation of endothelial monolayers induces a transient and reversible increase in transport due to the electroosmotic effect. <i>Scientific Reports</i> , 2018, 8, 9265.	3.3	47
119	Laboratory Administration of Transcutaneous Auricular Vagus Nerve Stimulation (taVNS): Technique, Targeting, and Considerations. <i>Journal of Visualized Experiments</i> , 2019, . .	0.3	47
120	Propagation of non-synaptic epileptiform activity across a lesion in rat hippocampal slices. <i>Journal of Physiology</i> , 2001, 537, 191-199.	2.9	46
121	Lasting modulation of in vitro oscillatory activity with weak direct current stimulation. <i>Journal of Neurophysiology</i> , 2015, 113, 1334-1341.	1.8	46
122	Limited output transcranial electrical stimulation (LOTES-2017): Engineering principles, regulatory statutes, and industry standards for wellness, over-the-counter, or prescription devices with low risk. <i>Brain Stimulation</i> , 2018, 11, 134-157.	1.6	46
123	Polarizing cerebellar neurons with transcranial Direct Current Stimulation. <i>Clinical Neurophysiology</i> , 2014, 125, 435-438.	1.5	45
124	Space, time, and causality in the human brain. <i>NeuroImage</i> , 2014, 92, 285-297.	4.2	45
125	Transspinal direct current stimulation immediately modifies motor cortex sensorimotor maps. <i>Journal of Neurophysiology</i> , 2015, 113, 2801-2811.	1.8	45
126	Temperature increases by kilohertz frequency spinal cord stimulation. <i>Brain Stimulation</i> , 2019, 12, 62-72.	1.6	45

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127	Temperature control at DBS electrodes using a heat sink: experimentally validated FEM model of DBS lead architecture. <i>Journal of Neural Engineering</i> , 2012, 9, 046009.	3.5	44
128	At-Home Transcranial Direct Current Stimulation (tDCS) With Telehealth Support for Symptom Control in Chronically-Ill Patients With Multiple Symptoms. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 93.	2.0	41
129	On the Use of Meta-analysis in Neuromodulatory Non-invasive Brain Stimulation. <i>Brain Stimulation</i> , 2015, 8, 666-667.	1.6	40
130	Physics of Transcranial Direct Current Stimulation Devices and Their History. <i>Journal of ECT</i> , 2018, 34, 137-143.	0.6	40
131	Adaptive current tDCS up to 4â€mA. <i>Brain Stimulation</i> , 2020, 13, 69-79.	1.6	40
132	In Vivo Modulation of the Bloodâ€Brain Barrier Permeability by Transcranial Direct Current Stimulation (tDCS). <i>Annals of Biomedical Engineering</i> , 2020, 48, 1256-1270.	2.5	40
133	Applications of Non-invasive Neuromodulation for the Management of Disorders Related to COVID-19. <i>Frontiers in Neurology</i> , 2020, 11, 573718.	2.4	40
134	Neurovascular-modulation: A review of primary vascular responses to transcranial electrical stimulation as a mechanism of action. <i>Brain Stimulation</i> , 2021, 14, 837-847.	1.6	40
135	Bio-heat transfer model of transcranial DC stimulation: Comparison of conventional pad versus ring electrode. , 2009, 2009, 670-3.		38
136	Tolerability of Repeated Application of Transcranial Electrical Stimulation with Limited Outputs to Healthy Subjects. <i>Brain Stimulation</i> , 2016, 9, 740-754.	1.6	38
137	Axon terminal polarization induced by weak uniform DC electric fields: A modeling study. , 2012, 2012, 4575-8.		37
138	Editorial: Revisiting the Effectiveness of Transcranial Direct Current Brain Stimulation for Cognition: Evidence, Challenges, and Open Questions. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 448.	2.0	36
139	Application of Noninvasive Vagal Nerve Stimulation to Stress-Related Psychiatric Disorders. <i>Journal of Personalized Medicine</i> , 2020, 10, 119.	2.5	36
140	Analytical and numerical modeling of the hearing system: Advances towards the assessment of hearing damage. <i>Hearing Research</i> , 2017, 349, 111-128.	2.0	35
141	Conditions Sufficient for Nonsynaptic Epileptogenesis in the CA1 Region of Hippocampal Slices. <i>Journal of Neurophysiology</i> , 2002, 87, 62-71.	1.8	34
142	Reduced discomfort during high-definition transcutaneous stimulation using 6% benzocaine. <i>Frontiers in Neuroengineering</i> , 2014, 7, 28.	4.8	34
143	A Protocol for the Use of Remotely-Supervised Transcranial Direct Current Stimulation (tDCS) in Multiple Sclerosis (MS). <i>Journal of Visualized Experiments</i> , 2015, , e53542.	0.3	34
144	A simple method for EEG guided transcranial electrical stimulation without models. <i>Journal of Neural Engineering</i> , 2016, 13, 036022.	3.5	34

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145	Noninvasive Neuromodulation Goes Deep. <i>Cell</i> , 2017, 169, 977-978.	28.9	33
146	TDCS to the right anterior temporal lobe facilitates insight problem-solving. <i>Scientific Reports</i> , 2020, 10, 946.	3.3	33
147	Bio-Heat Transfer Model of Deep Brain Stimulation Induced Temperature changes. , 2006, 2006, 3580-3.		32
148	The Influence of Skin Redness on Blinding in Transcranial Direct Current Stimulation Studies: A Crossover Trial. <i>Neuromodulation</i> , 2017, 20, 248-255.	0.8	32
149	Transcutaneous Auricular Vagus Nerve Stimulation-Paired Rehabilitation for Oromotor Feeding Problems in Newborns: An Open-Label Pilot Study. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 77.	2.0	32
150	Remotely Supervised Transcranial Direct Current Stimulation: An Update on Safety and Tolerability. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	31
151	The point spread function of the human head and its implications for transcranial current stimulation. <i>Physics in Medicine and Biology</i> , 2012, 57, 6459-6477.	3.0	30
152	Transcranial direct current stimulation facilitates cognitive multi-task performance differentially depending on anode location and subtask. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 665.	2.0	30
153	Inherent physiological artifacts in EEG during tDCS. <i>NeuroImage</i> , 2019, 185, 408-424.	4.2	30
154	Prevention of schizophrenia deficits via non-invasive adolescent frontal cortex stimulation in rats. <i>Molecular Psychiatry</i> , 2020, 25, 896-905.	7.9	28
155	Design and Rationale of the PACt-MD Randomized Clinical Trial: Prevention of Alzheimer's dementia with Cognitive remediation plus transcranial direct current stimulation in Mild cognitive impairment and Depression. <i>Journal of Alzheimer's Disease</i> , 2020, 76, 733-751.	2.6	27
156	Toward Development of Sham Protocols for High-Definition Transcranial Direct Current Stimulation (HD-tDCS). <i>NeuroRegulation</i> , 2014, 1, 62-72.	1.2	27
157	One-dimensional representation of a neuron in a uniform electric field. , 2009, 2009, 6481-4.		26
158	Electrode assembly design for transcranial Direct Current Stimulation: A FEM modeling study. , 2012, 2012, 891-5.		26
159	Transcranial direct current stimulation for online gamers: A prospective single-arm feasibility study. <i>Journal of Behavioral Addictions</i> , 2018, 7, 1166-1170.	3.7	26
160	Tissue Temperature Increases by a 10 kHz Spinal Cord Stimulation System: Phantom and Bioheat Model. <i>Neuromodulation</i> , 2021, 24, 1327-1335.	0.8	26
161	Rational modulation of neuronal processing with applied electric fields. , 2006, 2006, 1616-9.		24
162	The differential effects of unihemispheric and bihemispheric tDCS over the inferior frontal gyrus on proactive control. <i>Neuroscience Research</i> , 2018, 130, 39-46.	1.9	24

#	ARTICLE	IF	CITATIONS
163	Neuromodulation treats Chikungunya arthralgia: a randomized controlled trial. <i>Scientific Reports</i> , 2018, 8, 16010.	3.3	24
164	Transcutaneous auricular vagus nerve stimulation (taVNS) for improving oromotor function in newborns. <i>Brain Stimulation</i> , 2018, 11, 1198-1200.	1.6	24
165	Can transcranial electrical stimulation motor threshold estimate individualized tDCS doses over the prefrontal cortex? Evidence from reverse-calculation electric field modeling. <i>Brain Stimulation</i> , 2020, 13, 1150-1152.	1.6	24
166	Effects of high-frequency stimulation on epileptiform activity in vitro: ON/OFF control paradigm. <i>Epilepsia</i> , 2008, 49, 1586-1593.	5.1	23
167	Acute effect of high-definition and conventional tDCS on exercise performance and psychophysiological responses in endurance athletes: a randomized controlled trial. <i>Scientific Reports</i> , 2021, 11, 13911.	3.3	22
168	Tolerability and feasibility of at-home remotely supervised transcranial direct current stimulation (RS-tDCS): Single-center evidence from 6,779 sessions. <i>Brain Stimulation</i> , 2022, 15, 707-716.	1.6	22
169	Effects of glucose and glutamine concentration in the formulation of the artificial cerebrospinal fluid (ACSF). <i>Brain Research</i> , 2008, 1218, 77-86.	2.2	21
170	Combined mnemonic strategy training and high-definition transcranial direct current stimulation for memory deficits in mild cognitive impairment. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2017, 3, 459-470.	3.7	21
171	Non-invasive brain stimulation and computational models in post-stroke aphasic patients: single session of transcranial magnetic stimulation and transcranial direct current stimulation. A randomized clinical trial. <i>Sao Paulo Medical Journal</i> , 2017, 135, 475-480.	0.9	21
172	A checklist for assessing the methodological quality of concurrent tES-fMRI studies (ContES) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	12.0	21
173	Model of the effect of extracellular fields on spike time coherence. , 2004, 2004, 4584-7.		20
174	Automatic M1-SO Montage Headgear for Transcranial Direct Current Stimulation (TDCS) Suitable for Home and High-Throughput In-Clinic Applications. <i>Neuromodulation</i> , 2019, 22, 904-910.	0.8	20
175	fMRI and transcranial electrical stimulation (tES): A systematic review of parameter space and outcomes. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 107, 110149.	4.8	20
176	Group and individual level variations between symmetric and asymmetric DLPFC montages for tDCS over large scale brain network nodes. <i>Scientific Reports</i> , 2021, 11, 1271.	3.3	20
177	Notes on Human Trials of Transcranial Direct Current Stimulation between 1960 and 1998. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 71.	2.0	19
178	Remotely supervised transcranial direct current stimulation: A feasibility study for amyotrophic lateral sclerosis. <i>NeuroRehabilitation</i> , 2019, 45, 369-378.	1.3	19
179	Prefronto-cerebellar neuromodulation affects appetite in obesity. <i>International Journal of Obesity</i> , 2019, 43, 2119-2124.	3.4	19
180	Cerebellar transcranial alternating current stimulation modulates human gait rhythm. <i>Neuroscience Research</i> , 2020, 156, 265-270.	1.9	19

#	ARTICLE	IF	CITATIONS
181	Realistic anatomically detailed open-source spinal cord stimulation (RADO-SCS) model. <i>Journal of Neural Engineering</i> , 2020, 17, 026033.	3.5	19
182	Design and validation of a closed-loop, motor-activated auricular vagus nerve stimulation (MAAVNS) system for neurorehabilitation. <i>Brain Stimulation</i> , 2020, 13, 800-803.	1.6	19
183	Polarity-Dependent Misperception of Subjective Visual Vertical during and after Transcranial Direct Current Stimulation (tDCS). <i>PLoS ONE</i> , 2016, 11, e0152331.	2.5	19
184	Targeting negative symptoms in schizophrenia: Results from a proof-of-concept trial assessing prefrontal anodic tDCS protocol. <i>Schizophrenia Research</i> , 2015, 166, 362-363.	2.0	18
185	Study design and methodology for a multicentre, randomised controlled trial of transcranial direct current stimulation as a treatment for unipolar and bipolar depression. <i>Contemporary Clinical Trials</i> , 2016, 51, 65-71.	1.8	18
186	Mechanisms of Acute and After Effects of Transcranial Direct Current Stimulation. , 2019, , 81-113.		18
187	Update on the Use of Transcranial Electrical Brain Stimulation to Manage Acute and Chronic COVID-19 Symptoms. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 595567.	2.0	18
188	Role of skin tissue layers and ultra-structure in transcutaneous electrical stimulation including tDCS. <i>Physics in Medicine and Biology</i> , 2020, 65, 225018.	3.0	18
189	Minimal Heating at the Skin Surface During Transcranial Direct Current Stimulation. <i>Neuromodulation</i> , 2018, 21, 334-339.	0.8	17
190	High-Definition transcranial direct current stimulation in early onset epileptic encephalopathy: a case study. <i>Brain Injury</i> , 2018, 32, 135-143.	1.2	17
191	Manipulation of Human Verticality Using High-Definition Transcranial Direct Current Stimulation. <i>Frontiers in Neurology</i> , 2018, 9, 825.	2.4	17
192	A Computational Assessment of Target Engagement in the Treatment of Auditory Hallucinations with Transcranial Direct Current Stimulation. <i>Frontiers in Psychiatry</i> , 2018, 9, 48.	2.6	17
193	The Quasi-uniform assumption for Spinal Cord Stimulation translational research. <i>Journal of Neuroscience Methods</i> , 2019, 328, 108446.	2.5	17
194	Current Status of Transcranial Direct Current Stimulation in Posttraumatic Stress and Other Anxiety Disorders. <i>Current Behavioral Neuroscience Reports</i> , 2016, 3, 95-101.	1.3	16
195	Dry tDCS: Tolerability of a novel multilayer hydrogel composite non-adhesive electrode for transcranial direct current stimulation. <i>Brain Stimulation</i> , 2018, 11, 1044-1053.	1.6	16
196	On the role of electric field orientation in optimal design of transcranial current stimulation. , 2012, 2012, 6426-9.		15
197	Methods to focalize noninvasive electrical brain stimulation: principles and future clinical development for the treatment of pain. <i>Expert Review of Neurotherapeutics</i> , 2013, 13, 465-467.	2.8	15
198	Center of Pressure Speed Changes with tDCS Versus GVS in Patients with Lateropulsion after Stroke. <i>Brain Stimulation</i> , 2016, 9, 796-798.	1.6	15

#	ARTICLE	IF	CITATIONS
199	Antiepileptic Effects of a Novel Non-invasive Neuromodulation Treatment in a Subject With Early-Onset Epileptic Encephalopathy: Case Report With 20 Sessions of HD-tDCS Intervention. <i>Frontiers in Neuroscience</i> , 2019, 13, 547.	2.8	15
200	Bio-Heat Model of Kilohertz-Frequency Deep Brain Stimulation Increases Brain Tissue Temperature. <i>Neuromodulation</i> , 2020, 23, 489-495.	0.8	15
201	Impact of brain atrophy on tDCS and HD-tDCS current flow: a modeling study in three variants of primary progressive aphasia. <i>Neurological Sciences</i> , 2020, 41, 1781-1789.	1.9	15
202	Field effects and ictal synchronization: insights from in homine observations. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 828.	2.0	14
203	Language boosting by transcranial stimulation in progressive supranuclear palsy. <i>Neurology</i> , 2019, 93, e537-e547.	1.1	14
204	Alternate sessions of transcranial direct current stimulation (tDCS) reduce chronic pain in women affected by chikungunya. A randomized clinical trial. <i>Brain Stimulation</i> , 2021, 14, 541-548.	1.6	14
205	Weak DCS causes a relatively strong cumulative boost of synaptic plasticity with spaced learning. <i>Brain Stimulation</i> , 2022, 15, 57-62.	1.6	14
206	Methods for Specific Electrode Resistance Measurement During Transcranial Direct Current Stimulation. <i>Brain Stimulation</i> , 2015, 8, 150-159.	1.6	13
207	Electrophysiology equipment for reliable study of kHz electrical stimulation. <i>Journal of Physiology</i> , 2019, 597, 2131-2137.	2.9	13
208	Effects of Transcranial Direct Current Stimulation With Caffeine Intake on Muscular Strength and Perceived Exertion. <i>Journal of Strength and Conditioning Research</i> , 2019, 33, 1237-1243.	2.1	13
209	Effect of tDCS on well-being and autonomic function in professional male players after official soccer matches. <i>Physiology and Behavior</i> , 2021, 233, 113351.	2.1	13
210	Transcranial Direct Current Stimulation Among Technologies for Low-Intensity Transcranial Electrical Stimulation: Classification, History, and Terminology. , 2019, , 3-43.		12
211	Principles of Transcranial Direct Current Stimulation (tDCS): Introduction to the Biophysics of tDCS. , 2019, , 45-80.		12
212	Modulation of solute diffusivity in brain tissue as a novel mechanism of transcranial direct current stimulation (tDCS). <i>Scientific Reports</i> , 2020, 10, 18488.	3.3	12
213	High-resolution computational modeling of the current flow in the outer ear during transcutaneous auricular Vagus Nerve Stimulation (taVNS). <i>Brain Stimulation</i> , 2021, 14, 1419-1430.	1.6	12
214	Cellular and Network Effects of Transcranial Direct Current Stimulation. <i>Frontiers in Neuroscience</i> , 2012, , 55-91.	0.0	12
215	Short-Term Efficacy of Transcranial Focused Ultrasound to the Hippocampus in Alzheimer's Disease: A Preliminary Study. <i>Journal of Personalized Medicine</i> , 2022, 12, 250.	2.5	12
216	Informing dose design by modeling transcutaneous spinal direct current stimulation. <i>Clinical Neurophysiology</i> , 2014, 125, 2147-2149.	1.5	11

#	ARTICLE	IF	CITATIONS
217	Non-invasive modulation reduces repetitive behavior in a rat model through the sensorimotor cortico-striatal circuit. <i>Translational Psychiatry</i> , 2018, 8, 11.	4.8	11
218	Concurrent Imaging of Markers of Current Flow and Neurophysiological Changes During tDCS. <i>Frontiers in Neuroscience</i> , 2020, 14, 374.	2.8	11
219	Adaptive current-flow models of ECT: Explaining individual static impedance, dynamic impedance, and brain current density. <i>Brain Stimulation</i> , 2021, 14, 1154-1168.	1.6	11
220	Transcranial Direct Current Stimulation on Parkinson's Disease: Systematic Review and Meta-Analysis. <i>Frontiers in Neurology</i> , 2021, 12, 794784.	2.4	11
221	The off-label use, utility and potential value of tDCS in the clinical care of particular neuropsychiatric conditions. <i>Journal of Law and the Biosciences</i> , 2016, 3, 642-646.	1.6	10
222	How to consider animal data in tDCS safety standards. <i>Brain Stimulation</i> , 2017, 10, 1141-1142.	1.6	10
223	Comparison of the Long-Term Effect of Positioning the Cathode in tDCS in Tinnitus Patients. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 217.	3.4	10
224	Central Nervous System Electrical Stimulation for Neuroprotection in Acute Cerebral Ischemia. <i>Stroke</i> , 2019, 50, 2892-2901.	2.0	10
225	Neurocapillary-Modulation. <i>Neuromodulation</i> , 2022, 25, 1299-1311.	0.8	10
226	Effect of Transcranial Direct Current Stimulation on Professional Female Soccer Players's Recovery Following Official Matches. <i>Perceptual and Motor Skills</i> , 2021, 128, 1504-1529.	1.3	10
227	Toward comprehensive tDCS safety standards. <i>Brain, Behavior, and Immunity</i> , 2017, 66, 413.	4.1	9
228	Comparison of cortical network effects of high-definition and conventional tDCS during visuomotor processing. <i>Brain Stimulation</i> , 2021, 14, 33-35.	1.6	9
229	From adults to pediatrics: A review noninvasive brain stimulation (NIBS) to facilitate recovery from brain injury. <i>Progress in Brain Research</i> , 2021, 264, 287-322.	1.4	9
230	Neuromodulation Strategies to Reduce Inflammation and Improve Lung Complications in COVID-19 Patients. <i>Frontiers in Neurology</i> , 0, 13, .	2.4	9
231	Principles of Within Electrode Current Steering ¹ . <i>Journal of Medical Devices, Transactions of the ASME</i> , 2015, 9, .	0.7	8
232	Higher-order power harmonics of pulsed electrical stimulation modulates corticospinal contribution of peripheral nerve stimulation. <i>Scientific Reports</i> , 2017, 7, 43619.	3.3	8
233	Response to letter to the editor: Safety of transcranial direct current stimulation: Evidence based update 2016. <i>Brain Stimulation</i> , 2017, 10, 986-987.	1.6	8
234	Modulating affective experience and emotional intelligence with loving kindness meditation and transcranial direct current stimulation: A pilot study. <i>Social Neuroscience</i> , 2019, 14, 10-25.	1.3	8

#	ARTICLE	IF	CITATIONS
235	What it means to go deep with non-invasive brain stimulation. <i>Clinical Neurophysiology</i> , 2020, 131, 752-754.	1.5	8
236	Limited Sensitivity of Hippocampal Synaptic Function or Network Oscillations to Unmodulated Kilohertz Electric Fields. <i>ENeuro</i> , 2020, 7, ENEURO.0368-20.2020.	1.9	8
237	Efficacy and safety of HD-tDCS and respiratory rehabilitation for critically ill patients with COVID-19 The HD-RECOVERY randomized clinical trial. <i>Brain Stimulation</i> , 2022, 15, 780-788.	1.6	8
238	Open questions on the mechanisms of neuromodulation with applied and endogenous electric fields. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 227.	2.0	7
239	Transcranial Direct Current Stimulation Electrodes. , 2019, , 263-291.		7
240	Updated Technique for Reliable, Easy, and Tolerated Transcranial Electrical Stimulation Including Transcranial Direct Current Stimulation. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	7
241	Effects of transcranial direct current stimulation on addictive behavior and brain glucose metabolism in problematic online gamers. <i>Journal of Behavioral Addictions</i> , 2021, 9, 1011-1021.	3.7	7
242	A Feasibility Study of Bilateral Anodal Stimulation of the Prefrontal Cortex Using High-Definition Electrodes in Healthy Participants. <i>Yale Journal of Biology and Medicine</i> , 2015, 88, 219-25.	0.2	7
243	The Concept, Development, and Application of a Home-Based High-Definition tDCS for Bilateral Motor Cortex Modulation in Migraine and Pain. <i>Frontiers in Pain Research</i> , 2022, 3, 798056.	2.0	7
244	Potential of Transcranial Direct Current Stimulation in Alzheimer's Disease: Optimizing Trials Toward		

#	ARTICLE	IF	CITATIONS
253	Safety of Transcranial Direct Current Stimulation. , 2019, , 167-195.		5
254	Transcranial Direct Current Stimulation for Online Gamers. Journal of Visualized Experiments, 2019, , .	0.3	5
255	Dataset of concurrent EEG, ECG, and behavior with multiple doses of transcranial electrical stimulation. Scientific Data, 2021, 8, 274.	5.3	5
256	Factors supporting availability of home-based Neuromodulation using remote supervision in middle-income countries; Brazil experience. Brain Stimulation, 2022, 15, 385-387.	1.6	5
257	Computational Modeling Assisted Design of Optimized and Individualized Transcranial Direct Current Stimulation Protocols. , 2014, , 85-115.		4
258	Tolerability of up to 4 mA tDCS using adaptive stimulation. Brain Stimulation, 2017, 10, e31-e32.	1.6	4
259	Transcranial Direct Current Stimulation (tDCS). , 2018, , 1589-1610.		4
260	Transcranial Direct Current Stimulation Integration with Magnetic Resonance Imaging, Magnetic Resonance Spectroscopy, Near Infrared Spectroscopy Imaging, and Electroencephalography. , 2019, , 293-345.		4
261	Role of Computational Modeling for Dose Determination. , 2019, , 233-262.		4
262	Animal Studies in the Field of Transcranial Electric Stimulation. , 2016, , 67-83.		3
263	Animal Studies on the Mechanisms of Low-Intensity Transcranial Electric Stimulation. , 2021, , 67-92.		3
264	PRIMED2 Preclinical Evidence Scoring Tool to Assess Readiness for Translation of Neuroprotection Therapies. Translational Stroke Research, 2021, , 1.	4.2	3
265	Transcranial direct current stimulation during a prolonged cognitive task: the effect on cognitive and shooting performances in professional female basketball players. Ergonomics, 2023, 66, 492-505.	2.1	3
266	Computer-Based Models of tDCS and tACS. , 2016, , 47-66.		2
267	A prospective trial of intraoperative tissue oxygenation measurement and its association with anastomotic leak rate after Ivor Lewis esophagectomy. Journal of Thoracic Disease, 2020, 12, 1449-1459.	1.4	2
268	Transcranial Direct Current Stimulation (tDCS) Augments the Effects of Gamified, Mobile Attention Bias Modification. Frontiers in Neuroergonomics, 2021, 2, .	1.1	2
269	Investigating the brain regions involved in tDCS-Enhanced category learning using finite element modeling. Neurolmage Reports, 2021, 1, 100048.	1.0	2
270	Transcranial Electrical Stimulation for Psychiatric Disorders in Adults: A Primer. Focus (American) Tj ETQq0 0 0 rgBT /Qverlock_10 Tf 50 6	0.8	2

#	ARTICLE	IF	CITATIONS
271	Animal Models of tES: Methods, Techniques, and Safety. , 2021, , 49-66.		1
272	Direct Current Stimulation Modulates Gene Expression in Endothelial Cells and Astrocytes. FASEB Journal, 2021, 35, .	0.5	1
273	Effects of transcranial direct current stimulation associated with an aerobic exercise bout on blood pressure and autonomic modulation of hypertensive patients: A pilot randomized clinical trial. Autonomic Neuroscience: Basic and Clinical, 2021, 235, 102866.	2.8	1
274	Inhibition of Nitric Oxide Synthase (NOS) by N ^G -monomethyl-L-arginine (NMMA) Reduces Transient Increase in the Blood-Brain Barrier Solute Permeability in Rat Brain by Transcranial Direct Current Stimulation. FASEB Journal, 2018, 32, .	0.5	1
275	Transcranial Electrical Stimulation. , 2020, , 271-292.		1
276	Transcranial Direct Current Stimulation (tDCS): Pain Management in End-Stage Renal Disease - Report of an Early Randomized Controlled Trial. Journal of Pain and Symptom Management, 2022, 64, 234-243.e1.	1.2	1
277	Design of Wireless Intra-Operative Pulse Oximeter With Reticulated Pressure-Sensitive Head1. Journal of Medical Devices, Transactions of the ASME, 2015, 9, .	0.7	0
278	Stimulation Parameters and Their Reporting. , 2019, , 225-231.		0
279	Challenges, Open Questions and Future Direction in Transcranial Direct Current Stimulation Research and Applications. , 2019, , 627-639.		0
280	Direct Current Stimulation Degrades Endothelial Glycocalyx of an in vitro Blood-Brain Barrier. FASEB Journal, 2021, 35, .	0.5	0
281	Abstract WP139: Transcranial Direct Current Stimulation (tDCS) Generates Electric Fields (EF) at the Level of Deep Nuclei of the Human Brain <i>in vivo</i> . Stroke, 2018, 49, .	2.0	0
282	Noninvasive Electrical Brain Stimulation of the Central Nervous System. , 2022, , 1-33.		0
283	Evaluation of the effect of transcranial direct current stimulation on language impairments in the behavioural variant of frontotemporal dementia. Brain Communications, 2022, 4, fcac050.	3.3	0
284	Rational modulation of neuronal processing with applied electric fields. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
285	Suppression of Neural Activity with High Frequency Stimulation. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
286	Computational Modeling of Deep Tissue Heating by an Automatic Thermal Massage Bed: Predicting the Effects on Circulation. Frontiers in Medical Technology, 0, 4, .	2.5	0