

# Dual-hemisphere tDCS facilitates greater improvement hand compared to uni-hemisphere stimulation

BMC Neuroscience

9, 103

DOI: [10.1186/1471-2202-9-103](https://doi.org/10.1186/1471-2202-9-103)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Transcranial direct current stimulation: a noninvasive tool to facilitate stroke recovery. <i>Expert Review of Medical Devices</i> , 2008, 5, 759-768.	1.4	109
2	Homeostatic and Nonhomeostatic Modulation of Learning in Human Motor Cortex. <i>Journal of Neuroscience</i> , 2009, 29, 5597-5604.	1.7	168
3	Effect of Transcranial Direct Current Stimulation on Motor Recovery in Patients with Subacute Stroke. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2010, 89, 879-886.	0.7	167
4	Recovery of function in humans: Cortical stimulation and pharmacological treatments after stroke. <i>Neurobiology of Disease</i> , 2010, 37, 243-251.	2.1	106
5	Visual memory improved by non-invasive brain stimulation. <i>Brain Research</i> , 2010, 1353, 168-175.	1.1	84
7	Electromagnetic approaches to stroke recovery. , 0, , 207-218.		1
8	Non-Invasive Brain Stimulation Applied to Heschl's Gyrus Modulates Pitch Discrimination. <i>Frontiers in Psychology</i> , 2010, 1, 193.	1.1	61
9	Effects of Transcranial Direct Current Stimulation on Episodic Memory Related to Emotional Visual Stimuli. <i>PLoS ONE</i> , 2010, 5, e10623.	1.1	61
10	Bihemispheric brain stimulation facilitates motor recovery in chronic stroke patients. <i>Neurology</i> , 2010, 75, 2176-2184.	1.5	491
11	Noninvasive Brain Stimulation with Low-Intensity Electrical Currents: Putative Mechanisms of Action for Direct and Alternating Current Stimulation. <i>Neuroscientist</i> , 2010, 16, 285-307.	2.6	285
12	Transcranial direct current stimulation: electrode montage in stroke. <i>Disability and Rehabilitation</i> , 2011, 33, 1383-1388.	0.9	80
13	Transcranial direct current stimulation " update 2011. <i>Restorative Neurology and Neuroscience</i> , 2011, 29, 463-492.	0.4	427
14	Low-frequency repetitive transcranial magnetic stimulation of the anterior temporal lobes does not dissociate social versus nonsocial semantic knowledge. <i>Quarterly Journal of Experimental Psychology</i> , 2011, 64, 855-870.	0.6	5
15	Physiological Basis of Transcranial Direct Current Stimulation. <i>Neuroscientist</i> , 2011, 17, 37-53.	2.6	1,292
16	Effects of transcranial direct current stimulation (tDCS) on human regional cerebral blood flow. <i>NeuroImage</i> , 2011, 58, 26-33.	2.1	340
17	Transcranial direct current stimulation influences probabilistic association learning in schizophrenia. <i>Schizophrenia Research</i> , 2011, 131, 198-205.	1.1	85
18	Neurophysiological Effects of Transcranial Direct Current Stimulation. , 2011, , 319-349.		2
19	Non-Invasive Brain Stimulation Enhances the Effects of Melodic Intonation Therapy. <i>Frontiers in Psychology</i> , 2011, 2, 230.	1.1	114

#	ARTICLE	IF	CITATIONS
20	Modulation of motor performance and motor learning by transcranial direct current stimulation. <i>Current Opinion in Neurology</i> , 2011, 24, 590-596.	1.8	228
21	Optimizing recovery potential through simultaneous occupational therapy and non-invasive brain-stimulation using tDCS. <i>Restorative Neurology and Neuroscience</i> , 2011, 29, 411-420.	0.4	119
22	Current trends in stroke rehabilitation. A review with focus on brain plasticity. <i>Acta Neurologica Scandinavica</i> , 2011, 123, 147-159.	1.0	228
23	Bilateral Transcranial Direct Current Stimulation Modulates Activation-Induced Regional Blood Flow Changes during Voluntary Movement. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 2086-2095.	2.4	56
24	Neglect-like effects induced by tDCS modulation of posterior parietal cortices in healthy subjects. <i>Brain Stimulation</i> , 2011, 4, 294-299.	0.7	54
25	The Use of Non-invasive Brain Stimulation Techniques to Facilitate Recovery from Post-stroke Aphasia. <i>Neuropsychology Review</i> , 2011, 21, 288-301.	2.5	109
26	Transcranial direct current stimulation of the prefrontal cortex modulates working memory performance: combined behavioural and electrophysiological evidence. <i>BMC Neuroscience</i> , 2011, 12, 2.	0.8	349
27	Effect of a tDCS electrode montage on implicit motor sequence learning in healthy subjects. <i>Experimental &amp; Translational Stroke Medicine</i> , 2011, 3, 4.	3.2	76
28	Modulating functional connectivity patterns and topological functional organization of the human brain with transcranial direct current stimulation. <i>Human Brain Mapping</i> , 2011, 32, 1236-1249.	1.9	361
29	Combined Transcranial Direct Current Stimulation and Robot-Assisted Arm Training in Subacute Stroke Patients. <i>Neurorehabilitation and Neural Repair</i> , 2011, 25, 838-846.	1.4	227
30	Transcranial Electrical Stimulation: Methodology and Applications. <i>Journal of Neurotherapy</i> , 2011, 15, 337-357.	0.9	7
31	Can tDCS enhance treatment of aphasia after stroke?. <i>Aphasiology</i> , 2012, 26, 1169-1191.	1.4	124
32	Combined Central and Peripheral Stimulation to Facilitate Motor Recovery After Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2012, 26, 479-483.	1.4	66
33	Brain stimulation enables the solution of an inherently difficult problem. <i>Neuroscience Letters</i> , 2012, 515, 121-124.	1.0	84
34	Brain Stimulation in the Treatment of Chronic Neuropathic and Non-Cancerous Pain. <i>Journal of Pain</i> , 2012, 13, 411-424.	0.7	87
35	Effects of simultaneous bilateral tDCS of the human motor cortex. <i>Brain Stimulation</i> , 2012, 5, 214-222.	0.7	91
36	Dynamic modulation of intrinsic functional connectivity by transcranial direct current stimulation. <i>Journal of Neurophysiology</i> , 2012, 108, 3253-3263.	0.9	124
37	Recovery of motor function after stroke. <i>Developmental Psychobiology</i> , 2012, 54, 254-262.	0.9	71

#	ARTICLE	IF	CITATIONS
38	Predicting functional motor potential in chronic stroke patients using diffusion tensor imaging. <i>Human Brain Mapping</i> , 2012, 33, 1040-1051.	1.9	221
39	Double dissociation of working memory load effects induced by bilateral parietal modulation. <i>Neuropsychologia</i> , 2012, 50, 396-402.	0.7	62
40	New modalities of brain stimulation for stroke rehabilitation. <i>Experimental Brain Research</i> , 2013, 224, 335-358.	0.7	94
41	A meta-analysis of the efficacy of anodal transcranial direct current stimulation for upper limb motor recovery in stroke survivors. <i>Journal of Hand Therapy</i> , 2013, 26, 162-171.	0.7	129
42	Induction of cortical plasticity and improved motor performance following unilateral and bilateral transcranial direct current stimulation of the primary motor cortex. <i>BMC Neuroscience</i> , 2013, 14, 64.	0.8	83
43	Early optimization in finger dexterity of skilled pianists: implication of transcranial stimulation. <i>BMC Neuroscience</i> , 2013, 14, 35.	0.8	26
44	Bihemispheric Anodal Corticomotor Stimulation Using Transcranial Direct Current Stimulation Improves Bimanual Typing Task Performance. <i>Journal of Motor Behavior</i> , 2013, 45, 361-367.	0.5	29
45	Electrode montage dependent effects of transcranial direct current stimulation on semantic fluency. <i>Behavioural Brain Research</i> , 2013, 248, 129-135.	1.2	60
46	Bihemispheric stimulation over left and right inferior frontal region enhances recovery from apraxia of speech in chronic aphasia. <i>European Journal of Neuroscience</i> , 2013, 38, 3370-3377.	1.2	72
47	Effect of transcranial direct current stimulation on elbow flexor maximal voluntary isometric strength and endurance. <i>Applied Physiology, Nutrition and Metabolism</i> , 2013, 38, 734-739.	0.9	71
48	Corticomotor excitability induced by anodal transcranial direct current stimulation with and without non-exhaustive movement. <i>Brain Research</i> , 2013, 1529, 83-91.	1.1	57
49	Effects of dual transcranial direct current stimulation on post-stroke unilateral visuospatial neglect. <i>Neuroscience Letters</i> , 2013, 554, 94-98.	1.0	71
50	Transcranial Direct Current Stimulation Accelerates Allocentric Target Detection. <i>Brain Stimulation</i> , 2013, 6, 433-439.	0.7	16
51	Neurodoping: Brain Stimulation as a Performance-Enhancing Measure. <i>Sports Medicine</i> , 2013, 43, 649-653.	3.1	78
52	Differential Effects of Dual and Unihemispheric Motor Cortex Stimulation in Older Adults. <i>Journal of Neuroscience</i> , 2013, 33, 9176-9183.	1.7	139
53	Neural plasticity and its contribution to functional recovery. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2013, 110, 3-12.	1.0	79
54	Functional near-infrared spectroscopy maps cortical plasticity underlying altered motor performance induced by transcranial direct current stimulation. <i>Journal of Biomedical Optics</i> , 2013, 18, 116003.	1.4	39
55	Brain stimulation paired with novel locomotor training with robotic gait orthosis in chronic stroke: A feasibility study. <i>NeuroRehabilitation</i> , 2013, 33, 67-76.	0.5	72

#	ARTICLE	IF	CITATIONS
56	Enhancing performance in numerical magnitude processing and mental arithmetic using transcranial Direct Current Stimulation (tDCS). <i>Frontiers in Human Neuroscience</i> , 2013, 7, 244.	1.0	77
57	Neuroenhancement of the aging brain: Restoring skill acquisition in old subjects. <i>Annals of Neurology</i> , 2013, 73, 10-15.	2.8	176
58	Fine-motor skills testing and prediction of endovascular performance. <i>Acta Radiologica</i> , 2013, 54, 1165-1174.	0.5	6
59	Motor function-related maladaptive plasticity in stroke: A review. <i>NeuroRehabilitation</i> , 2013, 32, 311-316.	0.5	31
60	Formation of cortical plasticity in older adults following tDCS and motor training. <i>Frontiers in Aging Neuroscience</i> , 2013, 5, 87.	1.7	54
61	A Comparison between Uni- and Bilateral tDCS Effects on Functional Connectivity of the Human Motor Cortex. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 183.	1.0	131
62	Transcranial direct current stimulation of the primary motor cortex improves word-retrieval in older adults. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 253.	1.7	68
63	Enhanced motor skill acquisition in the non-dominant upper extremity using intermittent theta burst stimulation and transcranial direct current stimulation. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 451.	1.0	15
64	Compensatory Changes Accompanying Chronic Forced Use of the Nondominant Hand by Unilateral Amputees. <i>Journal of Neuroscience</i> , 2014, 34, 3622-3631.	1.7	74
65	Bihemispheric Transcranial Direct Current Stimulation Enhances Effector-Independent Representations of Motor Synergy and Sequence Learning. <i>Journal of Neuroscience</i> , 2014, 34, 1037-1050.	1.7	134
66	Using clinical and robotic assessment tools to examine the feasibility of pairing tDCS with upper extremity physical therapy in patients with stroke and TBI: A consideration-of-concept pilot study. <i>NeuroRehabilitation</i> , 2014, 35, 741-754.	0.5	38
67	The effect of single session bi-cephalic transcranial direct current stimulation on gait performance in sub-acute stroke: A pilot study. <i>Restorative Neurology and Neuroscience</i> , 2014, 32, 527-532.	0.4	57
68	Neurostimulation for traumatic brain injury. <i>Journal of Neurosurgery</i> , 2014, 121, 1219-1231.	0.9	56
69	Reply: Congenital mirror movements: lack of decussation of pyramids Mirror movement: from physiopathology to treatment perspectives. <i>Brain</i> , 2014, 137, e293-e293.	3.7	0
70	Differential Effect of Conditioning Sequences in Coupling Inhibitory/Facilitatory Repetitive Transcranial Magnetic Stimulation for PostStroke Motor Recovery. <i>CNS Neuroscience and Therapeutics</i> , 2014, 20, 355-363.	1.9	47
71	Immediate and Late Modulation of Interhemispheric Imbalance With Bilateral Transcranial Direct Current Stimulation in Acute Stroke. <i>Brain Stimulation</i> , 2014, 7, 841-848.	0.7	96
72	Motor System. , 2014, , 207-235.		4
73	Effects of Brain Stimulation on Declarative and Procedural Memories. , 2014, , 237-263.		3

#	ARTICLE	IF	CITATIONS
74	Effects of electrode configurations in transcranial direct current stimulation after stroke. , 2014, , .		2
75	Transcranial Direct Current Stimulation Effects in Disorders of Consciousness. Archives of Physical Medicine and Rehabilitation, 2014, 95, 283-289.	0.5	159
76	Dual-hemisphere transcranial direct current stimulation improves performance in a tactile spatial discrimination task. Clinical Neurophysiology, 2014, 125, 1669-1674.	0.7	34
77	Effects of dual-mode non-invasive brain stimulation on motor function. Neuroscience Letters, 2014, 567, 24-29.	1.0	6
78	Electrical Stimulation of Motor Cortex in the Uninjured Hemisphere after Chronic Unilateral Injury Promotes Recovery of Skilled Locomotion through Ipsilateral Control. Journal of Neuroscience, 2014, 34, 462-466.	1.7	92
79	Modular Ankle Robotics Training in Early Subacute Stroke. Neurorehabilitation and Neural Repair, 2014, 28, 678-687.	1.4	42
80	Ceiling Effects Prevent Further Improvement of Transcranial Stimulation in Skilled Musicians. Journal of Neuroscience, 2014, 34, 13834-13839.	1.7	90
81	Electrifying the motor engram: effects of tDCS on motor learning and control. Experimental Brain Research, 2014, 232, 3379-3395.	0.7	49
82	Facilitation of corticospinal excitability by virtual reality exercise following anodal transcranial direct current stimulation in healthy volunteers and subacute stroke subjects. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 124.	2.4	50
83	Predicting behavioural response to TDCS in chronic motor stroke. NeuroImage, 2014, 85, 924-933.	2.1	150
84	tDCS-enhanced motor and cognitive function in neurological diseases. NeuroImage, 2014, 85, 934-947.	2.1	335
85	The Use of Magnetic Resonance Spectroscopy as a Tool for the Measurement of Bi-hemispheric Transcranial Electric Stimulation Effects on Primary Motor Cortex Metabolism. Journal of Visualized Experiments, 2014, , e51631.	0.2	13
86	A dissociation between propriospinal facilitation and inhibition after bilateral transcranial direct current stimulation. Journal of Neurophysiology, 2014, 111, 2187-2195.	0.9	12
87	A double-blinded randomised controlled trial exploring the effect of anodal transcranial direct current stimulation and uni-lateral robotÀtherapy for the impaired upper limb inÀsub-acute and chronic stroke. NeuroRehabilitation, 2015, 37, 181-191.	0.5	63
88	Effects of transcranial direct current stimulation on motor learning in healthy individuals: a systematic review. Fisioterapia Em Movimento, 2015, 28, 159-167.	0.4	2
89	Structural white matter changes in descending motor tracts correlate with improvements in motor impairment after undergoing a treatment course of tDCS and physical therapy. Frontiers in Human Neuroscience, 2015, 9, 229.	1.0	55
90	The effects of anodal-tDCS on corticospinal excitability enhancement and its after-effects: conventional vs. unihemispheric concurrent dual-site stimulation. Frontiers in Human Neuroscience, 2015, 9, 533.	1.0	38
91	Anodal tDCS over the Motor Cortex on Prepared and Unprepared Responses in Young Adults. PLoS ONE, 2015, 10, e0124509.	1.1	13

#	ARTICLE	IF	CITATIONS
92	Anodal direct current stimulation in the healthy aged: Effects determined by the hemisphere stimulated. <i>Restorative Neurology and Neuroscience</i> , 2015, 33, 509-519.	0.4	21
93	Dual-hemisphere transcranial direct current stimulation over primary motor cortex enhances consolidation of a ballistic thumb movement. <i>Neuroscience Letters</i> , 2015, 588, 49-53.	1.0	24
94	Ipsilesional and contralesional regions participate in the improvement of poststroke aphasia: a transcranial direct current stimulation study. <i>Neurocase</i> , 2015, 21, 479-488.	0.2	14
95	Improving Myoelectric Control for Amputees through Transcranial Direct Current Stimulation. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 1927-1936.	2.5	31
96	Transcranial direct current stimulation (tDCS) – Application in neuropsychology. <i>Neuropsychologia</i> , 2015, 69, 154-175.	0.7	101
97	Enhancing verbal creativity: Modulating creativity by altering the balance between right and left inferior frontal gyrus with tDCS. <i>Neuroscience</i> , 2015, 291, 167-176.	1.1	102
98	Transcranial direct current stimulation in the recovery of postural control after stroke: a pilot study. <i>Disability and Rehabilitation</i> , 2015, 37, 1857-1863.	0.9	40
99	Modulating and enhancing cognition using brain stimulation: Science and fiction. <i>Journal of Cognitive Psychology</i> , 2015, 27, 141-163.	0.4	24
100	Reprint of: Transcranial direct current stimulation (tDCS) – Application in neuropsychology. <i>Neuropsychologia</i> , 2015, 74, 74-95.	0.7	51
101	Mechanisms underlying transcranial direct current stimulation in rehabilitation. <i>Annals of Physical and Rehabilitation Medicine</i> , 2015, 58, 214-219.	1.1	65
102	Motor System Reorganization After Stroke: Stimulating and Training Toward Perfection. <i>Physiology</i> , 2015, 30, 358-370.	1.6	100
103	Neural substrates underlying stimulation-enhanced motor skill learning after stroke. <i>Brain</i> , 2015, 138, 149-163.	3.7	73
104	Transcranial direct current stimulation (tDCS) of the parietal cortex leads to increased false recognition. <i>Neuropsychologia</i> , 2015, 66, 88-98.	0.7	41
105	tDCS in post-stroke aphasia: The role of stimulation parameters, behavioral treatment and patient characteristics. <i>Cortex</i> , 2015, 63, 296-316.	1.1	86
106	Pitch Memory in Nonmusicians and Musicians: Revealing Functional Differences Using Transcranial Direct Current Stimulation. <i>Cerebral Cortex</i> , 2015, 25, 2774-2782.	1.6	19
107	Reliability and Variability of tDCS Induced Changes in the Lower Limb Motor Cortex. <i>Brain Sciences</i> , 2016, 6, 26.	1.1	32
108	Bihemispheric Motor Cortex Transcranial Direct Current Stimulation Improves Force Steadiness in Post-Stroke Hemiparetic Patients: A Randomized Crossover Controlled Trial. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 426.	1.0	35
109	Transcranial Direct-Current Stimulation (tDCS). , 2016, , 85-115.		10

#	ARTICLE	IF	CITATIONS
110	Comparison of Three Non-Invasive Transcranial Electrical Stimulation Methods for Increasing Cortical Excitability. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 668.	1.0	105
111	Transcranial Direct Current Stimulation Over the Primary and Secondary Somatosensory Cortices Transiently Improves Tactile Spatial Discrimination in Stroke Patients. <i>Frontiers in Neuroscience</i> , 2016, 10, 128.	1.4	31
112	Motor Sequence Learning in Healthy Older Adults Is Not Necessarily Facilitated by Transcranial Direct Current Stimulation (tDCS). <i>Geriatrics (Switzerland)</i> , 2016, 1, 32.	0.6	9
113	Bilateral tDCS on Primary Motor Cortex: Effects on Fast Arm Reaching Tasks. <i>PLoS ONE</i> , 2016, 11, e0160063.	1.1	14
114	Modulating Motor Learning through Transcranial Direct-Current Stimulation: An Integrative View. <i>Frontiers in Psychology</i> , 2016, 7, 1981.	1.1	52
115	The effects of bi-hemispheric M1-M1 transcranial direct current stimulation on primary motor cortex neurophysiology and metabolite concentration. <i>Restorative Neurology and Neuroscience</i> , 2016, 34, 587-602.	0.4	15
116	Transcranial direct current stimulation (tDCS) over primary motor cortex leg area promotes dynamic balance task performance. <i>Clinical Neurophysiology</i> , 2016, 127, 2455-2462.	0.7	69
117	Motor imagery in REM sleep is increased by transcranial direct current stimulation of the left motor cortex (C3). <i>Neuropsychologia</i> , 2016, 86, 57-65.	0.7	11
118	Transcranial Direct-Current Stimulation Can Enhance Motor Learning in Children. <i>Cerebral Cortex</i> , 2017, 27, bhw114.	1.6	75
119	Contralesional Cathodal versus Dual Transcranial Direct Current Stimulation for Decreasing Upper Limb Spasticity in Chronic Stroke Individuals: A Clinical and Neurophysiological Study. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2016, 25, 2932-2941.	0.7	29
120	Modulation of physiological mirror activity with transcranial direct current stimulation over dorsal premotor cortex. <i>European Journal of Neuroscience</i> , 2016, 44, 2730-2734.	1.2	3
121	Transcranial direct current stimulation over the parietal cortex alters bias in item and source memory tasks. <i>Brain and Cognition</i> , 2016, 108, 56-65.	0.8	21
122	Combining brain stimulation and video game to promote long-term transfer of learning and cognitive enhancement. <i>Scientific Reports</i> , 2016, 6, 22003.	1.6	81
123	Anodal transcranial direct current stimulation of the motor cortex increases cortical voluntary activation and neural plasticity. <i>Muscle and Nerve</i> , 2016, 54, 903-913.	1.0	35
124	Neurophysiological and behavioural effects of dual-hemisphere transcranial direct current stimulation on the proximal upper limb. <i>Experimental Brain Research</i> , 2016, 234, 1419-1428.	0.7	6
125	Enhanced motor learning with bilateral transcranial direct current stimulation: Impact of polarity or current flow direction?. <i>Clinical Neurophysiology</i> , 2016, 127, 2119-2126.	0.7	44
126	Neural correlates of unihemispheric and bihemispheric motor cortex stimulation in healthy young adults. <i>NeuroImage</i> , 2016, 140, 141-149.	2.1	35
127	A transcranial direct current stimulation over the sensorimotor cortex modulates the itch sensation induced by histamine. <i>Clinical Neurophysiology</i> , 2016, 127, 827-832.	0.7	17



#	ARTICLE	IF	CITATIONS
128	The effect of anodal transcranial direct current stimulation on motor sequence learning in healthy individuals: A systematic review and meta-analysis. <i>Brain and Cognition</i> , 2016, 102, 1-12.	0.8	114
129	Transcranial Direct Current Stimulation of the Leg Motor Cortex Enhances Coordinated Motor Output During Walking With a Large Inter-Individual Variability. <i>Brain Stimulation</i> , 2016, 9, 182-190.	0.7	38
130	Differential effects of bihemispheric and unihemispheric transcranial direct current stimulation in young and elderly adults in verbal learning. <i>Behavioural Brain Research</i> , 2017, 321, 170-175.	1.2	32
131	Effects of tDCS on motor learning and memory formation: A consensus and critical position paper. <i>Clinical Neurophysiology</i> , 2017, 128, 589-603.	0.7	275
132	High-definition transcranial direct current stimulation to both primary motor cortices improves unimanual and bimanual dexterity. <i>Neuroscience Letters</i> , 2017, 643, 84-88.	1.0	24
133	Cross-education of muscular strength is facilitated by homeostatic plasticity. <i>European Journal of Applied Physiology</i> , 2017, 117, 665-677.	1.2	32
134	Bilateral sequential motor cortex stimulation and skilled task performance with non-dominant hand. <i>Clinical Neurophysiology</i> , 2017, 128, 814-822.	0.7	1
135	Multifocal tDCS targeting the resting state motor network increases cortical excitability beyond traditional tDCS targeting unilateral motor cortex. <i>NeuroImage</i> , 2017, 157, 34-44.	2.1	143
136	Task-specificity of unilateral anodal and dual-M1 tDCS effects on motor learning. <i>Neuropsychologia</i> , 2017, 94, 84-95.	0.7	26
137	Modulating hemispheric lateralization by brain stimulation yields gain in mental and physical activity. <i>Scientific Reports</i> , 2017, 7, 13430.	1.6	13
138	Brain plasticity following MI-BCI training combined with tDCS in a randomized trial in chronic subcortical stroke subjects: a preliminary study. <i>Scientific Reports</i> , 2017, 7, 9222.	1.6	51
139	Polarity-independent effects of transcranial direct current stimulation over the bilateral opercular somatosensory region. <i>NeuroReport</i> , 2017, 28, 838-844.	0.6	5
140	BDNF Val66Met but not transcranial direct current stimulation affects motor learning after stroke. <i>Brain Stimulation</i> , 2017, 10, 882-892.	0.7	29
141	No evidential value in samples of transcranial direct current stimulation (tDCS) studies of cognition and working memory in healthy populations. <i>Cortex</i> , 2017, 94, 131-141.	1.1	122
142	The effects of transcranial direct current stimulation on pragmatic processing. <i>Journal of Neurolinguistics</i> , 2017, 44, 239-248.	0.5	1
143	Cooperation Not Competition: Bihemispheric tDCS and fMRI Show Role for Ipsilateral Hemisphere in Motor Learning. <i>Journal of Neuroscience</i> , 2017, 37, 7500-7512.	1.7	66
144	Increased contextual cue utilization with tDCS over the prefrontal cortex during a recognition task. <i>Brain Research</i> , 2017, 1655, 1-9.	1.1	9
145	Whether Modulating the Activity of the Temporalparietal Junction Alters Distribution Decisions within Different Contexts: Evidence from a tDCS Study. <i>Frontiers in Psychology</i> , 2017, 8, 224.	1.1	6

#	ARTICLE	IF	CITATIONS
146	Effects of High-Definition Anodal Transcranial Direct Current Stimulation Applied Simultaneously to Both Primary Motor Cortices on Bimanual Sensorimotor Performance. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 130.	1.0	22
147	The Effect of Dual-Hemisphere Transcranial Direct Current Stimulation Over the Parietal Operculum on Tactile Orientation Discrimination. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 173.	1.0	8
148	Anatomical Parameters of tDCS to Modulate the Motor System after Stroke: A Review. <i>Frontiers in Neurology</i> , 2017, 8, 29.	1.1	59
149	Transcranial direct current stimulation (tDCS) for improving capacity in activities and arm function after stroke: a network meta-analysis of randomised controlled trials. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2017, 14, 95.	2.4	118
150	Balanced bifrontal transcranial direct current stimulation enhances working memory in adults with high-functioning autism: a sham-controlled crossover study. <i>Molecular Autism</i> , 2017, 8, 40.	2.6	35
151	Non-Invasive Brain Stimulation (TMS/tDCS) and Rehabilitation for Stroke and Parkinson's. , 2017, , .		0
152	CNS Non-invasive Brain Stimulation. , 2018, , 151-184.		5
153	Impact of transcranial direct current stimulation on somatosensory transfer learning: When the secondary somatosensory cortex comes into play. <i>Brain Research</i> , 2018, 1689, 98-108.	1.1	0
154	Language lateralisation after Melodic Intonation Therapy: an fMRI study in subacute and chronic aphasia. <i>Aphasiology</i> , 2018, 32, 765-783.	1.4	12
155	Improving Naming Abilities Among Healthy Young-Old Adults Using Transcranial Direct Current Stimulation. <i>Journal of Psycholinguistic Research</i> , 2018, 47, 113-124.	0.7	5
157	Neurostimulation Techniques for the Modulation of Pain. , 0, , .		2
158	Transcranial Direct Current Stimulation for Poststroke Motor Recovery: Challenges and Opportunities. <i>PM and R</i> , 2018, 10, S157-S164.	0.9	25
159	The Effect of Unihemispheric Concurrent Dual-Site Transcranial Direct Current Stimulation of Primary Motor and Dorsolateral Prefrontal Cortices on Motor Function in Patients With Sub-Acute Stroke. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 441.	1.0	12
160	Investigating the Role of the Primary Motor Cortex in Musical Creativity: A Transcranial Direct Current Stimulation Study. <i>Frontiers in Psychology</i> , 2018, 9, 1758.	1.1	7
161	Effect of single-session dual-tDCS before physical therapy on lower-limb performance in sub-acute stroke patients: A randomized sham-controlled crossover study. <i>Annals of Physical and Rehabilitation Medicine</i> , 2018, 61, 286-291.	1.1	36
162	Anodal tDCS over Primary Motor Cortex Provides No Advantage to Learning Motor Sequences via Observation. <i>Neural Plasticity</i> , 2018, 2018, 1-14.	1.0	50
163	Reverse Engineering Tone-Deafness: Disrupting Pitch-Matching by Creating Temporary Dysfunctions in the Auditory-Motor Network. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 9.	1.0	3
164	Modeling Transcranial Direct-Current Stimulation-Induced Electric Fields in Children and Adults. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 268.	1.0	52

#	ARTICLE	IF	CITATIONS
165	Neurorehabilitation Practice for Stroke Patients. , 2019, , 426-448.		2
166	Acute effects of bi-hemispheric transcranial direct current stimulation on the neuromuscular function of patients with chronic stroke: A randomized controlled study. <i>Clinical Biomechanics</i> , 2019, 70, 1-7.	0.5	2
167	Searching for the optimal tDCS target for motor rehabilitation. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019, 16, 90.	2.4	40
168	Prognostic and Monitory EEG-Biomarkers for BCI Upper-Limb Stroke Rehabilitation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019, 27, 1654-1664.	2.7	58
169	The effects of mechanical tactile stimulation on corticospinal excitability and motor function depend on pin protrusion patterns. <i>Scientific Reports</i> , 2019, 9, 16677.	1.6	9
170	Non-linear effects of cathodal transcranial direct current stimulation (tDCS) of the primary motor cortex on implicit motor learning. <i>Experimental Brain Research</i> , 2019, 237, 919-925.	0.7	22
171	Transcranial direct current stimulation of posterior temporal cortex modulates electrophysiological correlates of auditory selective spatial attention in posterior parietal cortex. <i>Neuropsychologia</i> , 2019, 131, 160-170.	0.7	18
172	Top 100 cited noninvasive neuromodulation clinical trials. <i>Expert Review of Medical Devices</i> , 2019, 16, 451-466.	1.4	12
173	Transcranial Direct Current Stimulation Modulates GABA Levels Beyond the Stimulated Region: Perspectives for Stroke Rehabilitation. <i>Journal of Neuroscience</i> , 2019, 39, 1768-1770.	1.7	3
174	Transcranial direct current stimulation over the sensory-motor regions inhibits gamma synchrony. <i>Human Brain Mapping</i> , 2019, 40, 2736-2746.	1.9	37
175	Bihemispheric anodal transcranial direct-current stimulation over temporal cortex enhances auditory selective spatial attention. <i>Experimental Brain Research</i> , 2019, 237, 1539-1549.	0.7	13
176	Interhemispheric Inhibition Is Reduced in Response to Acute Muscle Pain: A Cross-Sectional Study Using Transcranial Magnetic Stimulation. <i>Journal of Pain</i> , 2019, 20, 1091-1099.	0.7	16
177	The Impact of Transcranial Direct Current Stimulation on Upper-Limb Motor Performance in Healthy Adults: A Systematic Review and Meta-Analysis. <i>Frontiers in Neuroscience</i> , 2019, 13, 1213.	1.4	25
178	Dual-hemispheric transcranial direct current stimulation (tDCS) over primary motor cortex does not affect movement selection. <i>PLoS ONE</i> , 2019, 14, e0226103.	1.1	2
179	Different Therapeutic Effects of Transcranial Direct Current Stimulation on Upper and Lower Limb Recovery of Stroke Patients with Motor Dysfunction: A Meta-Analysis. <i>Neural Plasticity</i> , 2019, 2019, 1-13.	1.0	47
180	Weaker Inter-hemispheric and Local Functional Connectivity of the Somatomotor Cortex During a Motor Skill Acquisition Is Associated With Better Learning. <i>Frontiers in Neurology</i> , 2019, 10, 1242.	1.1	8
181	Transcranial static magnetic stimulation over the primary motor cortex alters sequential implicit motor learning. <i>Neuroscience Letters</i> , 2019, 696, 33-37.	1.0	23
182	Plasticity induction in the pre-supplementary motor area (pre-SMA) and SMA-proper differentially affects visuomotor sequence learning. <i>Brain Stimulation</i> , 2020, 13, 229-238.	0.7	16

#	ARTICLE	IF	CITATIONS
183	Effects of Transcranial Direct Current Stimulation on GABA and Glx in Children: A pilot study. PLoS ONE, 2020, 15, e0222620.	1.1	14
184	Bilateral Transcranial Direct Stimulation Over the Primary Motor Cortex Alters Motor Modularity of Multiple Muscles. Journal of Motor Behavior, 2020, 52, 474-488.	0.5	1
185	Recovery from tactile agnosia: a single case study. Neurocase, 2020, 26, 18-28.	0.2	1
186	Failure of tDCS to modulate motor excitability and speech motor learning. Neuropsychologia, 2020, 146, 107568.	0.7	7
187	Clinical Application of Virtual Reality for Upper Limb Motor Rehabilitation in Stroke: Review of Technologies and Clinical Evidence. Journal of Clinical Medicine, 2020, 9, 3369.	1.0	97
188	Breaking the ice to improve motor outcomes in patients with chronic stroke: a retrospective clinical study on neuromodulation plus robotics. Neurological Sciences, 2020, 42, 2785-2793.	0.9	9
189	Neurostimulation, doping, and the spirit of sport. Neuroethics, 2021, 14, 141-158.	1.7	12
190	Transcranial Direct Current Stimulation for Motor Recovery Following Brain Injury. Current Physical Medicine and Rehabilitation Reports, 2020, 8, 268-279.	0.3	7
191	Neurophysiological signatures of hand motor response to dual-transcranial direct current stimulation in subacute stroke: a TMS and MEG study. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 72.	2.4	18
192	What is the potential of neurostimulation in the treatment of motor symptoms in schizophrenia?. Expert Review of Neurotherapeutics, 2020, 20, 697-706.	1.4	23
193	Transcranial direct current stimulation (tDCS) for improving aphasia after stroke: a systematic review with network meta-analysis of randomized controlled trials. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 88.	2.4	26
194	Cerebellar Transcranial Direct Current Stimulation in People with Parkinson's Disease: A Pilot Study. Brain Sciences, 2020, 10, 96.	1.1	32
195	The comparative effects of unilateral and bilateral transcranial direct current stimulation on motor learning and motor performance: A systematic review of literature and meta-analysis. Journal of Clinical Neuroscience, 2020, 72, 8-14.	0.8	24
196	Ergogenic Effects of Bihemispheric Transcranial Direct Current Stimulation on Fitness: a Randomized Cross-over Trial. International Journal of Sports Medicine, 2021, 42, 66-73.	0.8	10
197	Evidence-Based Guidelines and Secondary Meta-Analysis for the Use of Transcranial Direct Current Stimulation in Neurological and Psychiatric Disorders. International Journal of Neuropsychopharmacology, 2021, 24, 256-313.	1.0	277
198	tDCS and Functional Connectivity. , 2021, , 159-172.		2
200	Brain-Computer Interface for Stroke Rehabilitation. , 2021, , 1-31.		1
201	Neurobiological After-Effects of Low Intensity Transcranial Electric Stimulation of the Human Nervous System: From Basic Mechanisms to Metaplasticity. Frontiers in Neurology, 2021, 12, 587771.	1.1	37

#	ARTICLE	IF	CITATIONS
203	Effects of Transcranial Direct Current Stimulation Combined With Physical Training on the Excitability of the Motor Cortex, Physical Performance, and Motor Learning: A Systematic Review. <i>Frontiers in Neuroscience</i> , 2021, 15, 648354.	1.4	26
204	Interhemispheric Parietal-Frontal Connectivity Predicts the Ability to Acquire a Nondominant Hand Skill. <i>Brain Connectivity</i> , 2021, 11, 308-318.	0.8	7
205	Right and left inferior frontal opercula are involved in discriminating angry and sad facial expressions. <i>Brain Stimulation</i> , 2021, 14, 607-615.	0.7	8
206	Reversed Polarity bi-tDCS over M1 during a Five Days Motor Task Training Did Not Influence Motor Learning. A Triple-Blind Clinical Trial. <i>Brain Sciences</i> , 2021, 11, 691.	1.1	2
207	Neurostimulation for Stroke Rehabilitation. <i>Frontiers in Neuroscience</i> , 2021, 15, 649459.	1.4	22
208	Registered report: Does transcranial direct current stimulation of the primary motor cortex improve implicit motor sequence learning in Parkinson's disease?. <i>Journal of Neuroscience Research</i> , 2021, 99, 2406-2415.	1.3	1
209	Effects of Bilateral Transcranial Direct Current Stimulation on Simultaneous Bimanual Handgrip Strength. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 674851.	1.0	4
210	Effects of transcranial direct current stimulation on brain network connectivity and complexity in motor imagery. <i>Neuroscience Letters</i> , 2021, 757, 135968.	1.0	1
211	Haptic object recognition based on shape relates to visual object recognition ability. <i>Psychological Research</i> , 2022, 86, 1262-1273.	1.0	8
212	Effects of tDCS dose and electrode montage on regional cerebral blood flow and motor behavior. <i>NeuroImage</i> , 2021, 237, 118144.	2.1	27
213	Five-Session Dual-Transcranial Direct Current Stimulation With Task-Specific Training Does Not Improve Gait and Lower Limb Performance Over Training Alone in Subacute Stroke: A Pilot Randomized Controlled Trial. <i>Neuromodulation</i> , 2022, 25, 558-568.	0.4	5
214	Activation response and functional connectivity change in rat cortex after bilateral transcranial direct current stimulation—An exploratory study. <i>Journal of Neuroscience Research</i> , 2021, 99, 1377-1389.	1.3	5
215	Enhancement of Normal Cognitive Abilities Through Noninvasive Brain Stimulation. , 2012, , 207-249.		6
216	Stimulating Music: Combining Melodic Intonation Therapy with Transcranial DC Stimulation to Facilitate Speech Recovery after Stroke. , 2009, , 103-114.		5
217	Noninvasive Brain Stimulation & Space Exploration: Opportunities and Challenges. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 119, 294-319.	2.9	23
218	Transcranial Electrical Stimulation in Post-Stroke Cognitive Rehabilitation. <i>European Psychologist</i> , 2016, 21, 55-64.	1.8	6
219	Transcranial Direct Current Stimulation as a Novel Method for Enhancing Aphasia Treatment Effects. <i>European Psychologist</i> , 2016, 21, 65-77.	1.8	18
221	Facilitate Insight by Non-Invasive Brain Stimulation. <i>PLoS ONE</i> , 2011, 6, e16655.	1.1	136

#	ARTICLE	IF	CITATIONS
222	Enhanced Motor Learning Following Task-Concurrent Dual Transcranial Direct Current Stimulation. PLoS ONE, 2013, 8, e85693.	1.1	59
223	Polarity Specific Effects of Transcranial Direct Current Stimulation on Interhemispheric Inhibition. PLoS ONE, 2014, 9, e114244.	1.1	61
224	Differential Effects of Unihemispheric Concurrent Dual-site and Conventional Primary Motor Cortex Transcranial Direct Current Stimulation on Motor Sequence Learning in Healthy Individuals: A Randomized Sham-Controlled Study. Basic and Clinical Neuroscience, 2019, 10, 59-72.	0.3	6
225	tDCS Anodal tDCS increases bilateral corticospinal excitability irrespective of hemispheric dominance. The Journal of Science and Medicine, 2020, 2, 1-17.	0.8	1
226	Onsite-effects of dual-hemisphere versus conventional single-hemisphere transcranial direct current stimulation: A functional MRI study. Neural Regeneration Research, 2012, 7, 1889-94.	1.6	12
227	Effects of Dual Transcranial Direct Current Stimulation for Aphasia in Chronic Stroke Patients. Annals of Rehabilitation Medicine, 2013, 37, 603.	0.6	49
228	Interhemispheric Modulation of Dual-Mode, Noninvasive Brain Stimulation on Motor Function. Annals of Rehabilitation Medicine, 2014, 38, 297.	0.6	15
230	Non Invasive Neuromodulation in Motor Recovery after Stroke: State of the Art, Open Questions and Future Perspectives. Journal of Neurology & Neurophysiology, 2013, 04, .	0.1	0
232	Changes in Sensory Function After Transcranial Direct Current Stimulation on Primary Motor Cortex Area. Physical Therapy Korea, 2014, 21, 1-8.	0.1	3
233	Changes in the Sensory Function after Transcranial Direct Stimulation on Dorsolateral Prefrontal Cortex Area. Journal of the Korea Academia-Industrial Cooperation Society, 2015, 16, 445-452.	0.0	0
234	çµCEè«ç»æµé»æ°—â°æ¿€ã«ã,ã,æ%«ãæ,,ÿè šæ©ÿèf1/2ã@ãã,šããã@è†ã°šã¿œç””. Journal of the Society of Brain Mechanisms, 2015,		
237	Functional Neurosurgery for Sequelae of Traumatic Brain Injury. , 2018, , 231-246.		0
239	Effects of Transcranial Direct Current Stimulation Over Primary Motor Cortex on the Onset Time of Upper Extremity Musclesâ€™ Activities for Forward Reaching Performance: A Preliminary Study. Archives of Orthopedic and Sports Physical Therapy, 2019, 15, 11-19.	0.0	0
240	Enhancement of Normal Cognitive Abilities Through Noninvasive Brain Stimulation. , 2012, , 207-249.		4
241	Brain stimulation for the treatment of pain: A review of costs, clinical effects, and mechanisms of treatment for three different central neuromodulatory approaches. Journal of Pain Management (discontinued), 2009, 2, 339-352.	0.7	61
242	Non-invasive brain stimulation for enhancement of corticospinal excitability and motor performance. Basic and Clinical Neuroscience, 2013, 4, 257-65.	0.3	14
243	Effect of Transcranial Direct Current Stimulation on the Mismatch Negativity Features of Deviated Stimuli in Children With Autism Spectrum Disorder. Frontiers in Neuroscience, 2022, 16, 721987.	1.4	5
244	Boosting the hypnotic experience. Inhibition of the dorsolateral prefrontal cortex alters hypnotizability and sense of agency. A randomized, double-blind and sham-controlled tDCS study. Behavioural Brain Research, 2022, 425, 113833.	1.2	5

#	ARTICLE	IF	CITATIONS
245	Transcranial Direct Current Stimulation Enhances Muscle Strength of Non-dominant Knee in Healthy Young Males. <i>Frontiers in Physiology</i> , 2021, 12, 788719.	1.3	14
246	Dual-Hemisphere Transcranial Direct Current Stimulation on Parietal Operculum Does Not Affect the Programming of Intra-limb Anticipatory Postural Adjustments. <i>Frontiers in Physiology</i> , 2021, 12, 789886.	1.3	0
251	Effects of Noninvasive Brain Stimulation Combined With Antidepressants in Patients With Poststroke Depression: A Systematic Review and Meta-Analysis. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	4
253	Stimulation Montage Achieves Balanced Focality and Intensity. <i>Algorithms</i> , 2022, 15, 169.	1.2	1
254	Transcranial Direct Current Stimulation of Motor Cortex Enhances Spike Performances of Professional Female Volleyball Players. <i>Journal of Motor Behavior</i> , 2023, 55, 18-30.	0.5	4
255	The impact of cerebellar transcranial direct current stimulation (tDCS) on sensorimotor and inter-sensory temporal recalibration. <i>Frontiers in Human Neuroscience</i> , 0, 16, .	1.0	6
256	Robust enhancement of motor sequence learning with 4ÅmA transcranial electric stimulation. <i>Brain Stimulation</i> , 2023, 16, 56-67.	0.7	9
257	Working memory Å±mprovement after transcranial direct current stimulation paired with working memory training Å±n diabetic peripheral neuropathy. <i>Applied Neuropsychology Adult</i> , 0, , 1-14.	0.7	1
258	Underpinning the neurological source of executive function following cross hemispheric tDCS stimulation. <i>International Journal of Psychophysiology</i> , 2023, 185, 1-10.	0.5	0
259	Brain-Computer Interface for Stroke Rehabilitation. , 2023, , 1285-1315.		0
260	Computation of group-level electric field in lower limb motor area for different tDCS montages. <i>Clinical Neurophysiology</i> , 2023, 150, 69-78.	0.7	1
261	The Possibility of Increasing the Effectiveness of Correcting Motor Skills and Cognitive Functions Using Noninvasive Brain Stimulation in Humans. <i>Neuroscience and Behavioral Physiology</i> , 2023, 53, 230-241.	0.2	1
265	Digital neurology: Personalizing diagnosis and treatment. , 2024, , 607-617.		0