

Alvaro Pascual-Leone

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810
papers

75,733
citations

141
h-index

253
g-index

873
ext. papers

87,947
ext. citations

5.3
avg, IF

8.04
L-index

#	Paper	IF	Citations
810	Safety, ethical considerations, and application guidelines for the use of transcranial magnetic stimulation in clinical practice and research. <i>Clinical Neurophysiology</i> , 2009 , 120, 2008-2039	4.3	3446
809	Transcranial direct current stimulation: State of the art 2008. <i>Brain Stimulation</i> , 2008 , 1, 206-23	5.1	2020
808	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
807	The plastic human brain cortex. <i>Annual Review of Neuroscience</i> , 2005 , 28, 377-401	17	1182
806	Responses to rapid-rate transcranial magnetic stimulation of the human motor cortex. <i>Brain</i> , 1994 , 117 (Pt 4), 847-58	11.2	1059
805	Alpha-band electroencephalographic activity over occipital cortex indexes visuospatial attention bias and predicts visual target detection. <i>Journal of Neuroscience</i> , 2006 , 26, 9494-502	6.6	1037
804	Activation of the primary visual cortex by Braille reading in blind subjects. <i>Nature</i> , 1996 , 380, 526-8	50.4	973
803	Resting-state connectivity biomarkers define neurophysiological subtypes of depression. <i>Nature Medicine</i> , 2017 , 23, 28-38	50.5	972
802	Rapid-rate transcranial magnetic stimulation of left dorsolateral prefrontal cortex in drug-resistant depression. <i>Lancet, The</i> , 1996 , 348, 233-7	40	905
801	Clinical research with transcranial direct current stimulation (tDCS): challenges and future directions. <i>Brain Stimulation</i> , 2012 , 5, 175-195	5.1	881
800	Transcranial magnetic stimulation in neurology. <i>Lancet Neurology, The</i> , 2003 , 2, 145-56	24.1	854
799	Anodal transcranial direct current stimulation of prefrontal cortex enhances working memory. <i>Experimental Brain Research</i> , 2005 , 166, 23-30	2.3	845
798	Functional relevance of cross-modal plasticity in blind humans. <i>Nature</i> , 1997 , 389, 180-3	50.4	792
797	Diminishing reciprocal fairness by disrupting the right prefrontal cortex. <i>Science</i> , 2006 , 314, 829-32	33.3	760
796	Fast backprojections from the motion to the primary visual area necessary for visual awareness. <i>Science</i> , 2001 , 292, 510-2	33.3	725
795	The role of area 17 in visual imagery: convergent evidence from PET and rTMS. <i>Science</i> , 1999 , 284, 167-70	33.3	694
794	Harnessing neuroplasticity for clinical applications. <i>Brain</i> , 2011 , 134, 1591-609	11.2	685

793	Transcranial magnetic stimulation in cognitive neuroscience--virtual lesion, chronometry, and functional connectivity. <i>Current Opinion in Neurobiology</i> , 2000 , 10, 232-7	7.6	683
792	Modulation of cortical motor output maps during development of implicit and explicit knowledge. <i>Science</i> , 1994 , 263, 1287-9	33.3	644
791	Study and modulation of human cortical excitability with transcranial magnetic stimulation. <i>Journal of Clinical Neurophysiology</i> , 1998 , 15, 333-43	2.2	610
790	Noninvasive human brain stimulation. <i>Annual Review of Biomedical Engineering</i> , 2007 , 9, 527-65	12	592
789	Technology insight: noninvasive brain stimulation in neurology-perspectives on the therapeutic potential of rTMS and tDCS. <i>Nature Clinical Practice Neurology</i> , 2007 , 3, 383-93		547
788	Efficacy of transcranial magnetic stimulation targets for depression is related to intrinsic functional connectivity with the subgenual cingulate. <i>Biological Psychiatry</i> , 2012 , 72, 595-603	7.9	546
787	Modulation of corticospinal excitability by repetitive transcranial magnetic stimulation. <i>Clinical Neurophysiology</i> , 2000 , 111, 800-5	4.3	538
786	Plasticity of the sensorimotor cortex representation of the reading finger in Braille readers. <i>Brain</i> , 1993 , 116 (Pt 1), 39-52	11.2	499
785	A sham-controlled, phase II trial of transcranial direct current stimulation for the treatment of central pain in traumatic spinal cord injury. <i>Pain</i> , 2006 , 122, 197-209	8	497
784	Human motor evoked responses to paired transcranial magnetic stimuli. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1992 , 85, 355-64		489
783	Spontaneous fluctuations in posterior alpha-band EEG activity reflect variability in excitability of human visual areas. <i>Cerebral Cortex</i> , 2008 , 18, 2010-8	5.1	486
782	Neural reorganization following sensory loss: the opportunity of change. <i>Nature Reviews Neuroscience</i> , 2010 , 11, 44-52	13.5	485
781	Effects of transcranial direct current stimulation on working memory in patients with Parkinson's disease. <i>Journal of the Neurological Sciences</i> , 2006 , 249, 31-8	3.2	481
780	Transcranial direct current stimulation of the unaffected hemisphere in stroke patients. <i>NeuroReport</i> , 2005 , 16, 1551-5	1.7	480
779	Low intensity transcranial electric stimulation: Safety, ethical, legal regulatory and application guidelines. <i>Clinical Neurophysiology</i> , 2017 , 128, 1774-1809	4.3	478
778	Enhanced visual spatial attention ipsilateral to rTMS-induced 'virtual lesions' of human parietal cortex. <i>Nature Neuroscience</i> , 2001 , 4, 953-7	25.5	476
777	Improved picture naming in chronic aphasia after TMS to part of right Broca's area: an open-protocol study. <i>Brain and Language</i> , 2005 , 93, 95-105	2.9	461
776	Interindividual variability of the modulatory effects of repetitive transcranial magnetic stimulation on cortical excitability. <i>Experimental Brain Research</i> , 2000 , 133, 425-30	2.3	443

775	Linking out-of-body experience and self processing to mental own-body imagery at the temporoparietal junction. <i>Journal of Neuroscience</i> , 2005 , 25, 550-7	6.6	441
774	Transcranial direct current stimulation: a computer-based human model study. <i>NeuroImage</i> , 2007 , 35, 1113-24	7.9	439
773	Consensus: Motor cortex plasticity protocols. <i>Brain Stimulation</i> , 2008 , 1, 164-82	5.1	433
772	A sham-controlled trial of a 5-day course of repetitive transcranial magnetic stimulation of the unaffected hemisphere in stroke patients. <i>Stroke</i> , 2006 , 37, 2115-22	6.7	397
771	A randomized, sham-controlled, proof of principle study of transcranial direct current stimulation for the treatment of pain in fibromyalgia. <i>Arthritis and Rheumatism</i> , 2006 , 54, 3988-98		392
770	Disruption of right prefrontal cortex by low-frequency repetitive transcranial magnetic stimulation induces risk-taking behavior. <i>Journal of Neuroscience</i> , 2006 , 26, 6469-72	6.6	387
769	A randomized, double-blind clinical trial on the efficacy of cortical direct current stimulation for the treatment of major depression. <i>International Journal of Neuropsychopharmacology</i> , 2008 , 11, 249-54	5.8	367
768	Awareness modifies the skill-learning benefits of sleep. <i>Current Biology</i> , 2004 , 14, 208-12	6.3	365
767	Disruption of the right temporoparietal junction with transcranial magnetic stimulation reduces the role of beliefs in moral judgments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 6753-8	11.5	359
766	Diminishing risk-taking behavior by modulating activity in the prefrontal cortex: a direct current stimulation study. <i>Journal of Neuroscience</i> , 2007 , 27, 12500-5	6.6	359
765	Focused ultrasound modulates region-specific brain activity. <i>NeuroImage</i> , 2011 , 56, 1267-75	7.9	357
764	Current concepts in procedural consolidation. <i>Nature Reviews Neuroscience</i> , 2004 , 5, 576-82	13.5	355
763	Treatment of major depression with transcranial direct current stimulation. <i>Bipolar Disorders</i> , 2006 , 8, 203-4	3.8	350
762	Resting-state networks link invasive and noninvasive brain stimulation across diverse psychiatric and neurological diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E4367-75	11.5	348
761	Treatment of depression with transcranial direct current stimulation (tDCS): a review. <i>Experimental Neurology</i> , 2009 , 219, 14-9	5.7	332
760	Repeated sessions of noninvasive brain DC stimulation is associated with motor function improvement in stroke patients. <i>Restorative Neurology and Neuroscience</i> , 2007 , 25, 123-9	2.8	330
759	Modulation of motor cortical outputs to the reading hand of braille readers. <i>Annals of Neurology</i> , 1993 , 34, 33-7	9.4	327
758	Phase-specific modulation of cortical motor output during movement observation. <i>NeuroReport</i> , 2001 , 12, 1489-92	1.7	326

757	The metamodal organization of the brain. <i>Progress in Brain Research</i> , 2001 , 134, 427-45	2.9	323
756	Noninvasive Deep Brain Stimulation via Temporally Interfering Electric Fields. <i>Cell</i> , 2017 , 169, 1029-1041	5.6	317
755	Longitudinal changes of resting-state functional connectivity during motor recovery after stroke. <i>Stroke</i> , 2011 , 42, 1357-62	6.7	317
754	Screening questionnaire before TMS: an update. <i>Clinical Neurophysiology</i> , 2011 , 122, 1686	4.3	316
753	Transcranial magnetic stimulation: studying the brain-behaviour relationship by induction of 'virtual lesions'. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1999 , 354, 1229-38	5.8	311
752	Motor facilitation while observing hand actions: specificity of the effect and role of observer's orientation. <i>Journal of Neurophysiology</i> , 2002 , 87, 1329-35	3.2	310
751	Noninvasive cortical stimulation with transcranial direct current stimulation in Parkinson's disease. <i>Movement Disorders</i> , 2006 , 21, 1693-702	7	298
750	Shape conveyed by visual-to-auditory sensory substitution activates the lateral occipital complex. <i>Nature Neuroscience</i> , 2007 , 10, 687-9	25.5	297
749	The Clinical TMS Society Consensus Review and Treatment Recommendations for TMS Therapy for Major Depressive Disorder. <i>Brain Stimulation</i> , 2016 , 9, 336-346	5.1	295
748	Activation of prefrontal cortex by transcranial direct current stimulation reduces appetite for risk during ambiguous decision making. <i>Journal of Neuroscience</i> , 2007 , 27, 6212-8	6.6	291
747	State of the art: Pharmacologic effects on cortical excitability measures tested by transcranial magnetic stimulation. <i>Brain Stimulation</i> , 2008 , 1, 151-63	5.1	284
746	Studies in cognition: the problems solved and created by transcranial magnetic stimulation. <i>Journal of Cognitive Neuroscience</i> , 2003 , 15, 948-60	3.1	284
745	Microstates in resting-state EEG: current status and future directions. <i>Neuroscience and Biobehavioral Reviews</i> , 2015 , 49, 105-13	9	283
744	Self-recognition and the right prefrontal cortex. <i>Trends in Cognitive Sciences</i> , 2000 , 4, 338-344	14	275
743	State-dependency of transcranial magnetic stimulation. <i>Brain Topography</i> , 2008 , 21, 1-10	4.3	273
742	Rapid modulation of human cortical motor outputs following ischaemic nerve block. <i>Brain</i> , 1993 , 116 (Pt 3), 511-25	11.2	264
741	Antibody against early driver of neurodegeneration cis P-tau blocks brain injury and tauopathy. <i>Nature</i> , 2015 , 523, 431-436	50.4	263
740	A review of combined TMS-EEG studies to characterize lasting effects of repetitive TMS and assess their usefulness in cognitive and clinical neuroscience. <i>Brain Topography</i> , 2010 , 22, 219-32	4.3	263

739	Prefrontal cortex modulation using transcranial DC stimulation reduces alcohol craving: a double-blind, sham-controlled study. <i>Drug and Alcohol Dependence</i> , 2008 , 92, 55-60	4.9	261
738	Characterizing brain cortical plasticity and network dynamics across the age-span in health and disease with TMS-EEG and TMS-fMRI. <i>Brain Topography</i> , 2011 , 24, 302-15	4.3	256
737	Fundamentals of transcranial electric and magnetic stimulation dose: definition, selection, and reporting practices. <i>Brain Stimulation</i> , 2012 , 5, 435-53	5.1	252
736	Using non-invasive brain stimulation to augment motor training-induced plasticity. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2009 , 6, 8	5.3	245
735	Language processing in the occipital cortex of congenitally blind adults. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 4429-34	11.5	242
734	Consensus paper: combining transcranial stimulation with neuroimaging. <i>Brain Stimulation</i> , 2009 , 2, 58-80	9.1	239
733	Impaired motor facilitation during action observation in individuals with autism spectrum disorder. <i>Current Biology</i> , 2005 , 15, R84-5	6.3	231
732	Cortical stimulation of the prefrontal cortex with transcranial direct current stimulation reduces cue-provoked smoking craving: a randomized, sham-controlled study. <i>Journal of Clinical Psychiatry</i> , 2008 , 69, 32-40	4.6	226
731	Self-recognition and the right hemisphere. <i>Nature</i> , 2001 , 409, 305	50.4	224
730	Measuring and manipulating brain connectivity with resting state functional connectivity magnetic resonance imaging (fMRI) and transcranial magnetic stimulation (TMS). <i>NeuroImage</i> , 2012 , 62, 2232-43	7.9	222
729	Recent advances in the treatment of chronic pain with non-invasive brain stimulation techniques. <i>Lancet Neurology</i> , 2007 , 6, 188-91	24.1	220
728	Transcranial direct current stimulation of the prefrontal cortex modulates the desire for specific foods. <i>Appetite</i> , 2008 , 51, 34-41	4.5	212
727	Network localization of neurological symptoms from focal brain lesions. <i>Brain</i> , 2015 , 138, 3061-75	11.2	211
726	Optimization of multifocal transcranial current stimulation for weighted cortical pattern targeting from realistic modeling of electric fields. <i>NeuroImage</i> , 2014 , 89, 216-25	7.9	207
725	Effectiveness of transcranial direct current stimulation and visual illusion on neuropathic pain in spinal cord injury. <i>Brain</i> , 2010 , 133, 2565-77	11.2	206
724	Modulation of large-scale brain networks by transcranial direct current stimulation evidenced by resting-state functional MRI. <i>Brain Stimulation</i> , 2012 , 5, 252-263	5.1	204
723	Repetitive TMS over posterior STS disrupts perception of biological motion. <i>Vision Research</i> , 2005 , 45, 2847-53	2.1	203
722	A controlled clinical trial of cathodal DC polarization in patients with refractory epilepsy. <i>Epilepsia</i> , 2006 , 47, 335-42	6.4	200

7 ²¹	Reciprocal modulation and attenuation in the prefrontal cortex: an fMRI study on emotional-cognitive interaction. <i>Human Brain Mapping</i> , 2004 , 21, 202-12	5.9	200
7 ²⁰	Three-dimensional head model simulation of transcranial magnetic stimulation. <i>IEEE Transactions on Biomedical Engineering</i> , 2004 , 51, 1586-98	5	195
7 ¹⁹	Cognitive effects of repeated sessions of transcranial direct current stimulation in patients with depression. <i>Depression and Anxiety</i> , 2006 , 23, 482-4	8.4	193
7 ¹⁸	One session of high frequency repetitive transcranial magnetic stimulation (rTMS) to the right prefrontal cortex transiently reduces cocaine craving. <i>Drug and Alcohol Dependence</i> , 2007 , 86, 91-4	4.9	193
7 ¹⁷	Left hand advantage in a self-face recognition task. <i>Neuropsychologia</i> , 1999 , 37, 1421-5	3.2	193
7 ¹⁶	Efficacy of repetitive transcranial magnetic stimulation/transcranial direct current stimulation in cognitive neurorehabilitation. <i>Brain Stimulation</i> , 2008 , 1, 326-36	5.1	192
7 ¹⁵	Has repetitive transcranial magnetic stimulation (rTMS) treatment for depression improved? A systematic review and meta-analysis comparing the recent vs. the earlier rTMS studies. <i>Acta Psychiatrica Scandinavica</i> , 2007 , 116, 165-73	6.5	192
7 ¹⁴	Meta-analysis of the effects of repetitive transcranial magnetic stimulation (rTMS) on negative and positive symptoms in schizophrenia. <i>Schizophrenia Research</i> , 2009 , 108, 11-24	3.6	191
7 ¹³	Consensus: "Can tDCS and TMS enhance motor learning and memory formation?". <i>Brain Stimulation</i> , 2008 , 1, 363-369	5.1	191
7 ¹²	Off-line learning of motor skill memory: a double dissociation of goal and movement. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 18237-41	11.5	191
7 ¹¹	Cortical plasticity associated with Braille learning. <i>Trends in Cognitive Sciences</i> , 1998 , 2, 168-74	14	187
7 ¹⁰	Degree of language lateralization determines susceptibility to unilateral brain lesions. <i>Nature Neuroscience</i> , 2002 , 5, 695-9	25.5	186
7 ⁰⁹	Off-line learning and the primary motor cortex. <i>Journal of Neuroscience</i> , 2005 , 25, 6372-8	6.6	185
7 ⁰⁸	Transcranial magnetic stimulation modulates the brain's intrinsic activity in a frequency-dependent manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 21229-34	11.5	184
7 ⁰⁷	Safety of rTMS to non-motor cortical areas in healthy participants and patients. <i>Clinical Neurophysiology</i> , 2006 , 117, 455-71	4.3	182
7 ⁰⁶	Ipsilateral motor cortex activation on functional magnetic resonance imaging during unilateral hand movements is related to interhemispheric interactions. <i>NeuroImage</i> , 2003 , 20, 2259-70	7.9	182
7 ⁰⁵	Prospective Validation That Subgenual Connectivity Predicts Antidepressant Efficacy of Transcranial Magnetic Stimulation Sites. <i>Biological Psychiatry</i> , 2018 , 84, 28-37	7.9	182
7 ⁰⁴	Studying the neurobiology of social interaction with transcranial direct current stimulation--the example of punishing unfairness. <i>Cerebral Cortex</i> , 2008 , 18, 1987-90	5.1	180

703	Subthreshold low frequency repetitive transcranial magnetic stimulation selectively decreases facilitation in the motor cortex. <i>Clinical Neurophysiology</i> , 2002 , 113, 101-7	4.3	179
702	Identification of reproducible individualized targets for treatment of depression with TMS based on intrinsic connectivity. <i>NeuroImage</i> , 2013 , 66, 151-60	7.9	178
701	Concepts are more than percepts: the case of action verbs. <i>Journal of Neuroscience</i> , 2008 , 28, 11347-53	6.6	177
700	Negative BOLD differentiates visual imagery and perception. <i>Neuron</i> , 2005 , 48, 859-72	13.9	176
699	The 'when' pathway of the right parietal lobe. <i>Trends in Cognitive Sciences</i> , 2007 , 11, 204-10	14	175
698	Rapid and reversible recruitment of early visual cortex for touch. <i>PLoS ONE</i> , 2008 , 3, e3046	3.7	174
697	A randomized clinical trial of repetitive transcranial magnetic stimulation in patients with refractory epilepsy. <i>Annals of Neurology</i> , 2006 , 60, 447-55	9.4	174
696	Postexercise depression of motor evoked potentials: a measure of central nervous system fatigue. <i>Experimental Brain Research</i> , 1993 , 93, 181-4	2.3	174
695	Transient tinnitus suppression induced by repetitive transcranial magnetic stimulation and transcranial direct current stimulation. <i>European Journal of Neurology</i> , 2006 , 13, 996-1001	6	173
694	Effect of repetitive TMS and fluoxetine on cognitive function in patients with Parkinson's disease and concurrent depression. <i>Movement Disorders</i> , 2005 , 20, 1178-84	7	172
693	Age-related differences in movement representation. <i>NeuroImage</i> , 2002 , 17, 1720-8	7.9	168
692	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
691	The uncertain outcome of prefrontal tDCS. <i>Brain Stimulation</i> , 2014 , 7, 773-83	5.1	166
690	Feeling by sight or seeing by touch?. <i>Neuron</i> , 2004 , 42, 173-9	13.9	165
689	Locating the motor cortex on the MRI with transcranial magnetic stimulation and PET. <i>NeuroImage</i> , 1996 , 3, 1-9	7.9	165
688	Contribution of axonal orientation to pathway-dependent modulation of excitatory transmission by direct current stimulation in isolated rat hippocampus. <i>Journal of Neurophysiology</i> , 2012 , 107, 1881-9	3.2	161
687	Can noninvasive brain stimulation enhance cognition in neuropsychiatric disorders?. <i>Neuropharmacology</i> , 2013 , 64, 566-78	5.5	158
686	Modulation of premotor mirror neuron activity during observation of unpredictable grasping movements. <i>European Journal of Neuroscience</i> , 2004 , 20, 2193-202	3.5	156

685	Modulation of input-output curves by low and high frequency repetitive transcranial magnetic stimulation of the motor cortex. <i>Clinical Neurophysiology</i> , 2002 , 113, 1249-57	4.3	156
684	Predictors of antidepressant response in clinical trials of transcranial magnetic stimulation. <i>International Journal of Neuropsychopharmacology</i> , 2006 , 9, 641-54	5.8	154
683	Reorganization of human cortical motor output maps following traumatic forearm amputation. <i>NeuroReport</i> , 1996 , 7, 2068-70	1.7	154
682	The brain that plays music and is changed by it. <i>Annals of the New York Academy of Sciences</i> , 2001 , 930, 315-29	6.5	153
681	The dynamics of interhemispheric compensatory processes in mental imagery. <i>Science</i> , 2005 , 308, 702-4	33.3	152
680	Abnormalities of spatial and temporal sensory discrimination in writer's cramp. <i>Movement Disorders</i> , 2001 , 16, 94-9	7	151
679	Inter- and intra-individual variability of paired-pulse curves with transcranial magnetic stimulation (TMS). <i>Clinical Neurophysiology</i> , 2002 , 113, 376-82	4.3	151
678	The role of the dorsolateral prefrontal cortex in implicit procedural learning. <i>Experimental Brain Research</i> , 1996 , 107, 479-85	2.3	151
677	Brain cortical activation during guitar-induced hand dystonia studied by functional MRI. <i>NeuroImage</i> , 2000 , 12, 257-67	7.9	149
676	Effects of focal transcranial magnetic stimulation on simple reaction time to acoustic, visual and somatosensory stimuli. <i>Brain</i> , 1992 , 115 (Pt 4), 1045-59	11.2	148
675	Safety and tolerability of repetitive transcranial magnetic stimulation in patients with epilepsy: a review of the literature. <i>Epilepsy and Behavior</i> , 2007 , 10, 521-8	3.2	145
674	Increased variability of paced finger tapping accuracy following repetitive magnetic stimulation of the cerebellum in humans. <i>Neuroscience Letters</i> , 2001 , 306, 29-32	3.3	145
673	Transcranial magnetic stimulation as a complementary treatment for aphasia. <i>Seminars in Speech and Language</i> , 2004 , 25, 181-91	1.8	144
672	Transcranial Magnetic Stimulation 2003 ,		144
671	Improved naming after TMS treatments in a chronic, global aphasia patient--case report. <i>Neurocase</i> , 2005 , 11, 182-93	0.8	143
670	Safety of theta burst transcranial magnetic stimulation: a systematic review of the literature. <i>Journal of Clinical Neurophysiology</i> , 2011 , 28, 67-74	2.2	142
669	Transcranial magnetic stimulation in basic and clinical neuroscience: A comprehensive review of fundamental principles and novel insights. <i>Neuroscience and Biobehavioral Reviews</i> , 2017 , 83, 381-404	9	140
668	The right brain hypothesis for obesity. <i>JAMA - Journal of the American Medical Association</i> , 2007 , 297, 1819-22	27.4	139

667	Modulation of risk-taking in marijuana users by transcranial direct current stimulation (tDCS) of the dorsolateral prefrontal cortex (DLPFC). <i>Drug and Alcohol Dependence</i> , 2010 , 112, 220-5	4.9	138
666	Transcranial magnetic stimulation and neuroplasticity. <i>Neuropsychologia</i> , 1999 , 37, 207-17	3.2	138
665	Grammatical distinctions in the left frontal cortex. <i>Journal of Cognitive Neuroscience</i> , 2001 , 13, 713-20	3.1	138
664	What blindness can tell us about seeing again: merging neuroplasticity and neuroprostheses. <i>Nature Reviews Neuroscience</i> , 2005 , 6, 71-7	13.5	135
663	Cortical motor representation of the ipsilateral hand and arm. <i>Experimental Brain Research</i> , 1994 , 100, 121-32	2.3	135
662	Alexia for Braille following bilateral occipital stroke in an early blind woman. <i>NeuroReport</i> , 2000 , 11, 237-40	4.9	133
661	Overt naming fMRI pre- and post-TMS: Two nonfluent aphasia patients, with and without improved naming post-TMS. <i>Brain and Language</i> , 2009 , 111, 20-35	2.9	132
660	All talk and no action: a transcranial magnetic stimulation study of motor cortex activation during action word production. <i>Journal of Cognitive Neuroscience</i> , 2004 , 16, 374-81	3.1	130
659	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
658	Visual cortex excitability increases during visual mental imagery--a TMS study in healthy human subjects. <i>Brain Research</i> , 2002 , 938, 92-7	3.7	128
657	Modulation of decision-making in a gambling task in older adults with transcranial direct current stimulation. <i>European Journal of Neuroscience</i> , 2010 , 31, 593-7	3.5	127
656	Noninvasive brain stimulation with high-frequency and low-intensity repetitive transcranial magnetic stimulation treatment for posttraumatic stress disorder. <i>Journal of Clinical Psychiatry</i> , 2010 , 71, 992-9	4.6	126
655	Disruption of primary motor cortex before learning impairs memory of movement dynamics. <i>Journal of Neuroscience</i> , 2006 , 26, 12466-70	6.6	126
654	Modulation of the neuronal circuitry subserving working memory in healthy human subjects by repetitive transcranial magnetic stimulation. <i>Neuroscience Letters</i> , 2000 , 280, 167-70	3.3	126
653	Cerebellar-Prefrontal Network Connectivity and Negative Symptoms in Schizophrenia. <i>American Journal of Psychiatry</i> , 2019 , 176, 512-520	11.9	125
652	Intermittent theta-burst stimulation of the lateral cerebellum increases functional connectivity of the default network. <i>Journal of Neuroscience</i> , 2014 , 34, 12049-56	6.6	125
651	Effect of focal cerebellar lesions on procedural learning in the serial reaction time task. <i>Experimental Brain Research</i> , 1998 , 120, 25-30	2.3	124
650	Clinical utility and prospective of TMS-EEG. <i>Clinical Neurophysiology</i> , 2019 , 130, 802-844	4.3	123

649	Modulation of smoking and decision-making behaviors with transcranial direct current stimulation in tobacco smokers: a preliminary study. <i>Drug and Alcohol Dependence</i> , 2014 , 140, 78-84	4.9	123
648	Safety and proof of principle study of cerebellar vermal theta burst stimulation in refractory schizophrenia. <i>Schizophrenia Research</i> , 2010 , 124, 91-100	3.6	122
647	Sensitive period for a multimodal response in human visual motion area MT/MST. <i>Current Biology</i> , 2010 , 20, 1900-6	6.3	122
646	Invasive cortical stimulation to promote recovery of function after stroke: a critical appraisal. <i>Stroke</i> , 2009 , 40, 1926-31	6.7	121
645	Effects of tDCS on executive function in Parkinson's disease. <i>Neuroscience Letters</i> , 2014 , 582, 27-31	3.3	120
644	Finding the imposter: brain connectivity of lesions causing delusional misidentifications. <i>Brain</i> , 2017 , 140, 497-507	11.2	118
643	A human brain network derived from coma-causing brainstem lesions. <i>Neurology</i> , 2016 , 87, 2427-2434	6.5	118
642	rTMS over the intraparietal sulcus disrupts numerosity processing. <i>Experimental Brain Research</i> , 2007 , 179, 631-42	2.3	118
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