# Alvaro Pascual-Leone

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 844 papers | 97,601 citations | 177 153 h-index | 410 277 g-index |
| 874 all docs | 874 docs citations | 874 times ranked | 42420 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Safety, ethical considerations, and application guidelines for the use of transcranial magnetic stimulation in clinical practice and research. Clinical Neurophysiology, 2009, 120, 2008-2039. | 1.5 | 4,364 |
| 2 | Transcranial direct current stimulation: State of the art 2008. Brain Stimulation, 2008, 1, 206-223. | 1.6 | 2,538 |
| 3 | 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. Clinical Neurophysiology, 2015, 126, 1071-1107. | 1.5 | 1,957 |
| 4 | Resting-state connectivity biomarkers define neurophysiological subtypes of depression. Nature Medicine, 2017, 23, 28-38. | 30.7 | 1,554 |
| 5 | THE PLASTIC HUMAN BRAIN CORTEX. Annual Review of Neuroscience, 2005, 28, 377-401. | 10.7 | 1,452 |
| 6 | Â-Band Electroencephalographic Activity over Occipital Cortex Indexes Visuospatial Attention Bias and Predicts Visual Target Detection. Journal of Neuroscience, 2006, 26, 9494-9502. | 3.6 | 1,303 |
| 7 | Responses to rapid-rate transcranial magnetic stimulation of the human motor cortex. Brain, 1994, 117, 847-858. | 7.6 | 1,255 |
| 8 | Activation of the primary visual cortex by Braille reading in blind subjects. Nature, 1996, 380, 526-528. | 27.8 | 1,170 |
| 9 | Clinical research with transcranial direct current stimulation (tDCS): Challenges and future directions. Brain Stimulation, 2012, 5, 175-195. | 1.6 | 1,122 |
| 10 | Rapid-rate transcranial magnetic stimulation of left dorsolateral prefrontal cortex in drug-resistant depression. Lancet, The, 1996, 348, 233-237. | 13.7 | 1,102 |
| 11 | Transcranial magnetic stimulation in neurology. Lancet Neurology, The, 2003, 2, 145-156. | 10.2 | 1,054 |
| 12 | Anodal transcranial direct current stimulation of prefrontal cortex enhances working memory. Experimental Brain Research, 2005, 166, 23-30. | 1.5 | 1,000 |
| 13 | Functional relevance of cross-modal plasticity in blind humans. Nature, 1997, 389, 180-183. | 27.8 | 920 |
| 14 | Diminishing Reciprocal Fairness by Disrupting the Right Prefrontal Cortex. Science, 2006, 314, 829-832. | 12.6 | 910 |
| 15 | Harnessing neuroplasticity for clinical applications. Brain, 2011, 134, 1591-1609. | 7.6 | 907 |
| 16 | Efficacy of Transcranial Magnetic Stimulation Targets for Depression Is Related to Intrinsic Functional Connectivity with the Subgenual Cingulate. Biological Psychiatry, 2012, 72, 595-603. | 1.3 | 828 |
| 17 | Transcranial magnetic stimulation in cognitive neuroscience â€“ virtual lesion, chronometry, and functional connectivity. Current Opinion in Neurobiology, 2000, 10, 232-237. | 4.2 | 808 |
| 18 | The Role of Area 17 in Visual Imagery: Convergent Evidence from PET and rTMS. Science, 1999, 284, 167-170. | 12.6 | 803 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Fast Backprojections from the Motion to the Primary Visual Area Necessary for Visual Awareness. Science, 2001, 292, 510-512. | 12.6 | 784 |
| 20 | Low intensity transcranial electric stimulation: Safety, ethical, legal regulatory and application guidelines. Clinical Neurophysiology, 2017, 128, 1774-1809. | 1.5 | 783 |
| 21 | Noninvasive Human Brain Stimulation. Annual Review of Biomedical Engineering, 2007, 9, 527-565. | 12.3 | 734 |
| 22 | Modulation of cortical motor output maps during development of implicit and explicit knowledge. Science, 1994, 263, 1287-1289. | 12.6 | 714 |
| 23 | Study and Modulation of Human Cortical Excitability With Transcranial Magnetic Stimulation. Journal of Clinical Neurophysiology, 1998, 15, 333-343. | 1.7 | 708 |
| 24 | Technology Insight: noninvasive brain stimulation in neurologyâ€”perspectives on the therapeutic potential of rTMS and tDCS. Nature Clinical Practice Neurology, 2007, 3, 383-393. | 2.5 | 681 |
| 25 | Spontaneous Fluctuations in Posterior Â-Band EEG Activity Reflect Variability in Excitability of Human Visual Areas. Cerebral Cortex, 2008, 18, 2010-2018. | 2.9 | 628 |
| 26 | Modulation of corticospinal excitability by repetitive transcranial magnetic stimulation. Clinical Neurophysiology, 2000, 111, 800-805. | 1.5 | 624 |
| 27 | Neural reorganization following sensory loss: the opportunity of change. Nature Reviews Neuroscience, 2010, 11, 44-52. | 10.2 | 613 |
| 28 | A sham-controlled, phase II trial of transcranial direct current stimulation for the treatment of central pain in traumatic spinal cord injury. Pain, 2006, 122, 197-209. | 4.2 | 608 |
| 29 | Human motor evoked responses to paired transcranial magnetic stimuli. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1992, 85, 355-364. | 2.0 | 585 |
| 30 | Plasticity of the sensorimotor cortex representation of the reading finger in Braille readers. Brain, 1993, 116, 39-52. | 7.6 | 585 |
| 31 | Safety and recommendations for TMS use in healthy subjects and patient populations, with updates on training, ethical and regulatory issues: Expert Guidelines. Clinical Neurophysiology, 2021, 132, 269-306. | 1.5 | 553 |
| 32 | Effects of transcranial direct current stimulation on working memory in patients with Parkinson's disease. Journal of the Neurological Sciences, 2006, 249, 31-38. | 0.6 | 551 |
| 33 | Transcranial direct current stimulation of the unaffected hemisphere in stroke patients. NeuroReport, 2005, 16, 1551-1555. | 1.2 | 549 |
| 34 | Interindividual variability of the modulatory effects of repetitive transcranial magnetic stimulation on cortical excitability. Experimental Brain Research, 2000, 133, 425-430. | 1.5 | 536 |
| 35 | Noninvasive Deep Brain Stimulation via Temporally Interfering Electric Fields. Cell, 2017, 169, 1029-1041.e16. | 28.9 | 536 |
| 36 | Improved picture naming in chronic aphasia after TMS to part of right Broca?s area: An open-protocol study. Brain and Language, 2005, 93, 95-105. | 1.6 | 533 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Consensus: Motor cortex plasticity protocols. Brain Stimulation, 2008, 1, 164-182. | 1.6 | 529 |
| 38 | Enhanced visual spatial attention ipsilateral to rTMS-induced 'virtual lesions' of human parietal cortex. Nature Neuroscience, 2001, 4, 953-957. | 14.8 | 528 |
| 39 | Microstates in resting-state EEG: Current status and future directions. Neuroscience and Biobehavioral Reviews, 2015, 49, 105-113. | 6.1 | 526 |
| 40 | Linking Out-of-Body Experience and Self Processing to Mental Own-Body Imagery at the Temporoparietal Junction. Journal of Neuroscience, 2005, 25, 550-557. | 3.6 | 525 |
| 41 | Transcranial direct current stimulation: A computer-based human model study. NeuroImage, 2007, 35, 1113-1124. | 4.2 | 502 |
| 42 | Focused ultrasound modulates region-specific brain activity. NeuroImage, 2011, 56, 1267-1275. | 4.2 | 494 |
| 43 | A randomized, sham-controlled, proof of principle study of transcranial direct current stimulation for the treatment of pain in fibromyalgia. Arthritis and Rheumatism, 2006, 54, 3988-3998. | 6.7 | 486 |
| 44 | Resting-state networks link invasive and noninvasive brain stimulation across diverse psychiatric and neurological diseases. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4367-75. | 7.1 | 486 |
| 45 | The Clinical TMS Society Consensus Review and Treatment Recommendations for TMS Therapy for Major Depressive Disorder. Brain Stimulation, 2016, 9, 336-346. | 1.6 | 467 |
| 46 | A Sham-Controlled Trial of a 5-Day Course of Repetitive Transcranial Magnetic Stimulation of the Unaffected Hemisphere in Stroke Patients. Stroke, 2006, 37, 2115-2122. | 2.0 | 462 |
| 47 | Disruption of the right temporoparietal junction with transcranial magnetic stimulation reduces the role of beliefs in moral judgments. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6753-6758. | 7.1 | 460 |
| 48 | Screening questionnaire before TMS: An update. Clinical Neurophysiology, 2011, 122, 1686. | 1.5 | 456 |
| 49 | A randomized, double-blind clinical trial on the efficacy of cortical direct current stimulation for the treatment of major depression. International Journal of Neuropsychopharmacology, 2008, 11, 249-254. | 2.1 | 442 |
| 50 | Disruption of Right Prefrontal Cortex by Low-Frequency Repetitive Transcranial Magnetic Stimulation Induces Risk-Taking Behavior. Journal of Neuroscience, 2006, 26, 6469-6472. | 3.6 | 434 |
| 51 | Current concepts in procedural consolidation. Nature Reviews Neuroscience, 2004, 5, 576-582. | 10.2 | 430 |
| 52 | Longitudinal Changes of Resting-State Functional Connectivity During Motor Recovery After Stroke. Stroke, 2011, 42, 1357-1362. | 2.0 | 416 |
| 53 | Awareness Modifies the Skill-Learning Benefits of Sleep. Current Biology, 2004, 14, 208-212. | 3.9 | 415 |
| 54 | Diminishing Risk-Taking Behavior by Modulating Activity in the Prefrontal Cortex: A Direct Current Stimulation Study. Journal of Neuroscience, 2007, 27, 12500-12505. | 3.6 | 414 |

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|---|---|---|---|
| 55 | Chapter 27 The metamodal organization of the brain. Progress in Brain Research, 2001, 134, 427-445. | 1.4 | 411 |
| 56 | Treatment of major depression with transcranial direct current stimulation. Bipolar Disorders, 2006, 8, 203-204. | 1.9 | 405 |
| 57 | Treatment of depression with transcranial direct current stimulation (tDCS): A Review. Experimental Neurology, 2009, 219, 14-19. | 4.1 | 402 |
| 58 | Transcranial magnetic stimulation: studying the brain--behaviour relationship by induction of â€˜virtual lesionsâ€™. Philosophical Transactions of the Royal Society B: Biological Sciences, 1999, 354, 1229-1238. | 4.0 | 374 |
| 59 | Antibody against early driver of neurodegeneration cis P-tau blocks brain injury and tauopathy. Nature, 2015, 523, 431-436. | 27.8 | 374 |
| 60 | Phase-specific modulation of cortical motor output during movement observation. NeuroReport, 2001, 12, 1489-1492. | 1.2 | 371 |
| 61 | Network localization of neurological symptoms from focal brain lesions. Brain, 2015, 138, 3061-3075. | 7.6 | 364 |
| 62 | Noninvasive cortical stimulation with transcranial direct current stimulation in Parkinson's disease. Movement Disorders, 2006, 21, 1693-1702. | 3.9 | 363 |
| 63 | Modulation of motor cortical outputs to the reading hand of braille readers. Annals of Neurology, 1993, 34, 33-37. | 5.3 | 360 |
| 64 | Shape conveyed by visual-to-auditory sensory substitution activates the lateral occipital complex. Nature Neuroscience, 2007, 10, 687-689. | 14.8 | 359 |
| 65 | Repeated sessions of noninvasive brain DC stimulation is associated with motor function improvement in stroke patients. Restorative Neurology and Neuroscience, 2007, 25, 123-9. | 0.7 | 357 |
| 66 | Motor Facilitation While Observing Hand Actions: Specificity of the Effect and Role of Observer's Orientation. Journal of Neurophysiology, 2002, 87, 1329-1335. | 1.8 | 354 |
| 67 | Activation of Prefrontal Cortex by Transcranial Direct Current Stimulation Reduces Appetite for Risk during Ambiguous Decision Making. Journal of Neuroscience, 2007, 27, 6212-6218. | 3.6 | 350 |
| 68 | State-Dependency of Transcranial Magnetic Stimulation. Brain Topography, 2008, 21, 1-10. | 1.8 | 346 |
| 69 | State of the art: Pharmacologic effects on cortical excitability measures tested by transcranial magnetic stimulation. Brain Stimulation, 2008, 1, 151-163. | 1.6 | 342 |
| 70 | Fundamentals of transcranial electric and magnetic stimulation dose: Definition, selection, and reporting practices. Brain Stimulation, 2012, 5, 435-453. | 1.6 | 339 |
| 71 | Language processing in the occipital cortex of congenitally blind adults. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4429-4434. | 7.1 | 337 |
| 72 | A Review of Combined TMS-EEG Studies to Characterize Lasting Effects of Repetitive TMS and Assess Their Usefulness in Cognitive and Clinical Neuroscience. Brain Topography, 2010, 22, 219-232. | 1.8 | 334 |

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| 73 | Prospective Validation That Subgenual Connectivity Predicts Antidepressant Efficacy of Transcranial Magnetic Stimulation Sites. Biological Psychiatry, 2018, 84, 28-37. | 1.3 | 323 |
| 74 | Characterizing Brain Cortical Plasticity and Network Dynamics Across the Age-Span in Health and Disease with TMS-EEG and TMS-fMRI. Brain Topography, 2011, 24, 302-315. | 1.8 | 318 |
| 75 | Self-recognition and the right prefrontal cortex. Trends in Cognitive Sciences, 2000, 4, 338-344. | 7.8 | 317 |
| 76 | Measuring and manipulating brain connectivity with resting state functional connectivity magnetic resonance imaging (fcMRI) and transcranial magnetic stimulation (TMS). NeuroImage, 2012, 62, 2232-2243. | 4.2 | 315 |
| 77 | Prefrontal cortex modulation using transcranial DC stimulation reduces alcohol craving: A double-blind, sham-controlled study. Drug and Alcohol Dependence, 2008, 92, 55-60. | 3.2 | 313 |
| 78 | Studies in Cognition: The Problems Solved and Created by Transcranial Magnetic Stimulation. Journal of Cognitive Neuroscience, 2003, 15, 948-960. | 2.3 | 312 |
| 79 | Using non-invasive brain stimulation to augment motor training-induced plasticity. Journal of NeuroEngineering and Rehabilitation, 2009, 6, 8. | 4.6 | 301 |
| 80 | Consensus paper: Combining transcranial stimulation with neuroimaging. Brain Stimulation, 2009, 2, 58-80. | 1.6 | 299 |
| 81 | Optimization of multifocal transcranial current stimulation for weighted cortical pattern targeting from realistic modeling of electric fields. NeuroImage, 2014, 89, 216-225. | 4.2 | 289 |
| 82 | Rapid modulation of human cortical motor outputs following ischaemic nerve block. Brain, 1993, 116, 511-525. | 7.6 | 288 |
| 83 | Self-recognition and the right hemisphere. Nature, 2001, 409, 305-305. | 27.8 | 278 |
| 84 | Clinical utility and prospective of TMSâ€“EEG. Clinical Neurophysiology, 2019, 130, 802-844. | 1.5 | 276 |
| 85 | Identification of reproducible individualized targets for treatment of depression with TMS based on intrinsic connectivity. NeuroImage, 2013, 66, 151-160. | 4.2 | 275 |
| 86 | Effects of tDCS on motor learning and memory formation: A consensus and critical position paper. Clinical Neurophysiology, 2017, 128, 589-603. | 1.5 | 275 |
| 87 | Cortical Stimulation of the Prefrontal Cortex With Transcranial Direct Current Stimulation Reduces Cue-Provoked Smoking Craving. Journal of Clinical Psychiatry, 2008, 69, 32-40. | 2.2 | 272 |
| 88 | Impaired motor facilitation during action observation in individuals with autism spectrum disorder. Current Biology, 2005, 15, R84-R85. | 3.9 | 271 |
| 89 | Three-Dimensional Head Model Simulation of Transcranial Magnetic Stimulation. IEEE Transactions on Biomedical Engineering, 2004, 51, 1586-1598. | 4.2 | 264 |
| 90 | Recent advances in the treatment of chronic pain with non-invasive brain stimulation techniques. Lancet Neurology, The, 2007, 6, 188-191. | 10.2 | 261 |

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|---|---|---|---|
| 91 | Modulation of large-scale brain networks by transcranial direct current stimulation evidenced by resting-state functional MRI. Brain Stimulation, 2012, 5, 252-263. | 1.6 | 261 |
| 92 | Effectiveness of transcranial direct current stimulation and visual illusion on neuropathic pain in spinal cord injury. Brain, 2010, 133, 2565-2577. | 7.6 | 258 |
| 93 | Transcranial magnetic stimulation in basic and clinical neuroscience: A comprehensive review of fundamental principles and novel insights. Neuroscience and Biobehavioral Reviews, 2017, 83, 381-404. | 6.1 | 256 |
| 94 | Transcranial direct current stimulation of the prefrontal cortex modulates the desire for specific foods. Appetite, 2008, 51, 34-41. | 3.7 | 252 |
| 95 | A Controlled Clinical Trial of Cathodal DC Polarization in Patients with Refractory Epilepsy. Epilepsia, 2006, 47, 335-342. | 5.1 | 247 |
| 96 | Cerebellar-Prefrontal Network Connectivity and Negative Symptoms in Schizophrenia. American Journal of Psychiatry, 2019, 176, 512-520. | 7.2 | 245 |
| 97 | Transcranial magnetic stimulation modulates the brain's intrinsic activity in a frequency-dependent manner. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 21229-21234. | 7.1 | 243 |
| 98 | Repetitive TMS over posterior STS disrupts perception of biological motion. Vision Research, 2005, 45, 2847-2853. | 1.4 | 240 |
| 99 | Has repetitive transcranial magnetic stimulation (rTMS) treatment for depression improved? A systematic review and metaâ€analysis comparing the recent vs. the earlier rTMS studies. Acta Psychiatrica Scandinavica, 2007, 116, 165-173. | 4.5 | 233 |
| 100 | Off-line learning of motor skill memory: A double dissociation of goal and movement. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18237-18241. | 7.1 | 228 |
| 101 | One session of high frequency repetitive transcranial magnetic stimulation (rTMS) to the right prefrontal cortex transiently reduces cocaine craving. Drug and Alcohol Dependence, 2007, 86, 91-94. | 3.2 | 228 |
| 102 | Meta-analysis of the effects of repetitive transcranial magnetic stimulation (rTMS) on negative and positive symptoms in schizophrenia. Schizophrenia Research, 2009, 108, 11-24. | 2.0 | 226 |
| 103 | Reciprocal modulation and attenuation in the prefrontal cortex: An fMRI study on emotionalâ€“cognitive interaction. Human Brain Mapping, 2004, 21, 202-212. | 3.6 | 225 |
| 104 | Consensus: Can transcranial direct current stimulation and transcranial magnetic stimulation enhance motor learning and memory formation?. Brain Stimulation, 2008, 1, 363-369. | 1.6 | 225 |
| 105 | Rapid and Reversible Recruitment of Early Visual Cortex for Touch. PLoS ONE, 2008, 3, e3046. | 2.5 | 225 |
| 106 | Degree of language lateralization determines susceptibility to unilateral brain lesions. Nature Neuroscience, 2002, 5, 695-699. | 14.8 | 219 |
| 107 | A randomized clinical trial of repetitive transcranial magnetic stimulation in patients with refractory epilepsy. Annals of Neurology, 2006, 60, 447-455. | 5.3 | 219 |
| 108 | Safety of rTMS to non-motor cortical areas in healthy participants and patients. Clinical Neurophysiology, 2006, 117, 455-471. | 1.5 | 218 |

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| 109 | Efficacy of repetitive transcranial magnetic stimulation/transcranial direct current stimulation in cognitive neurorehabilitation. Brain Stimulation, 2008, 1, 326-336. | 1.6 | 218 |
| 110 | Left hand advantage in a self-face recognition task. Neuropsychologia, 1999, 37, 1421-1425. | 1.6 | 215 |
| 111 | Cognitive effects of repeated sessions of transcranial direct current stimulation in patients with depression. Depression and Anxiety, 2006, 23, 482-484. | 4.1 | 215 |
| 112 | The Uncertain Outcome of Prefrontal tDCS. Brain Stimulation, 2014, 7, 773-783. | 1.6 | 212 |
| 113 | Cortical plasticity associated with Braille learning. Trends in Cognitive Sciences, 1998, 2, 168-174. | 7.8 | 209 |
| 114 | The â€˜whenâ€™ pathway of the right parietal lobe. Trends in Cognitive Sciences, 2007, 11, 204-210. | 7.8 | 209 |
| 115 | Concepts Are More than Percepts: The Case of Action Verbs. Journal of Neuroscience, 2008, 28, 11347-11353. | 3.6 | 208 |
| 116 | Off-Line Learning and the Primary Motor Cortex. Journal of Neuroscience, 2005, 25, 6372-6378. | 3.6 | 207 |
| 117 | Subthreshold low frequency repetitive transcranial magnetic stimulation selectively decreases facilitation in the motor cortex. Clinical Neurophysiology, 2002, 113, 101-107. | 1.5 | 205 |
| 118 | Effect of repetitive TMS and fluoxetine on cognitive function in patients with Parkinson's disease and concurrent depression. Movement Disorders, 2005, 20, 1178-1184. | 3.9 | 205 |
| 119 | Studying the Neurobiology of Social Interaction with Transcranial Direct Current Stimulation--The Example of Punishing Unfairness. Cerebral Cortex, 2008, 18, 1987-1990. | 2.9 | 203 |
| 120 | Postexercise depression of motor evoked potentials: a measure of central nervous system fatigue. Experimental Brain Research, 1993, 93, 181-4. | 1.5 | 201 |
| 121 | The Brain That Plays Music and Is Changed by It. Annals of the New York Academy of Sciences, 2001, 930, 315-329. | 3.8 | 199 |
| 122 | Transient tinnitus suppression induced by repetitive transcranial magnetic stimulation and transcranial direct current stimulation. European Journal of Neurology, 2006, 13, 996-1001. | 3.3 | 198 |
| 123 | Can noninvasive brain stimulation enhance cognition in neuropsychiatric disorders?. Neuropharmacology, 2013, 64, 566-578. | 4.1 | 198 |
| 124 | Ipsilateral motor cortex activation on functional magnetic resonance imaging during unilateral hand movements is related to interhemispheric interactions. NeuroImage, 2003, 20, 2259-2270. | 4.2 | 197 |
| 125 | Negative BOLD Differentiates Visual Imagery and Perception. Neuron, 2005, 48, 859-872. | 8.1 | 197 |
| 126 | Predictors of antidepressant response in clinical trials of transcranial magnetic stimulation. International Journal of Neuropsychopharmacology, 2006, 9, 641. | 2.1 | 196 |

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|---|---|---|---|
| 127 | Safety of Theta Burst Transcranial Magnetic Stimulation: A Systematic Review of the Literature. Journal of Clinical Neurophysiology, 2011, 28, 67-74. | 1.7 | 195 |
| 128 | Contribution of axonal orientation to pathway-dependent modulation of excitatory transmission by direct current stimulation in isolated rat hippocampus. Journal of Neurophysiology, 2012, 107, 1881-1889. | 1.8 | 195 |
| 129 | The role of the dorsolateral prefrontal cortex in implicit procedural learning. Experimental Brain Research, 1996, 107, 479-85. | 1.5 | 187 |
| 130 | A human brain network derived from coma-causing brainstem lesions. Neurology, 2016, 87, 2427-2434. | 1.1 | 187 |
| 131 | Age-Related Differences in Movement Representation. NeuroImage, 2002, 17, 1720-1728. | 4.2 | 186 |
| 132 | Feeling by Sight or Seeing by Touch?. Neuron, 2004, 42, 173-179. | 8.1 | 183 |
| 133 | Postoperative Delirium and Postoperative Cognitive Dysfunction. Anesthesiology, 2019, 131, 477-491. | 2.5 | 183 |
| 134 | Distinct Symptom-Specific Treatment Targets for Circuit-Based Neuromodulation. American Journal of Psychiatry, 2020, 177, 435-446. | 7.2 | 183 |
| 135 | Locating the Motor Cortex on the MRI with Transcranial Magnetic Stimulation and PET. NeuroImage, 1996, 3, 1-9. | 4.2 | 179 |
| 136 | Modulation of inputâ€“output curves by low and high frequency repetitive transcranial magnetic stimulation of the motor cortex. Clinical Neurophysiology, 2002, 113, 1249-1257. | 1.5 | 179 |
| 137 | Cortical motor representation of the ipsilateral hand and arm. Experimental Brain Research, 1994, 100, 121-32. | 1.5 | 177 |
| 138 | Modulation of risk-taking in marijuana users by transcranial direct current stimulation (tDCS) of the dorsolateral prefrontal cortex (DLPFC). Drug and Alcohol Dependence, 2010, 112, 220-225. | 3.2 | 177 |
| 139 | Modulation of premotor mirror neuron activity during observation of unpredictable grasping movements. European Journal of Neuroscience, 2004, 20, 2193-2202. | 2.6 | 176 |
| 140 | Safety and tolerability of repetitive transcranial magnetic stimulation in patients with epilepsy: a review of the literature. Epilepsy and Behavior, 2007, 10, 521-528. | 1.7 | 176 |
| 141 | Reorganization of human cortical motor output maps following traumatic forearm amputation. NeuroReport, 1996, 7, 2068-2070. | 1.2 | 175 |
| 142 | Finding the imposter: brain connectivity of lesions causing delusional misidentifications. Brain, 2017, 140, 497-507. | 7.6 | 175 |
| 143 | Transcranial Magnetic Stimulation as a Complementary Treatment for Aphasia. Seminars in Speech and Language, 2004, 25, 181-191. | 0.8 | 174 |
| 144 | Transcranial magnetic stimulation and neuroplasticity. Neuropsychologia, 1998, 37, 207-217. | 1.6 | 172 |

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|---|---|---|---|
| 145 | Abnormalities of spatial and temporal sensory discrimination in writer's cramp. Movement Disorders, 2001, 16, 94-99. | 3.9 | 172 |
| 146 | Inter- and intra-individual variability of paired-pulse curves with transcranial magnetic stimulation (TMS). Clinical Neurophysiology, 2002, 113, 376-382. | 1.5 | 171 |
| 147 | The Dynamics of Interhemispheric Compensatory Processes in Mental Imagery. Science, 2005, 308, 702-704. | 12.6 | 171 |
| 148 | The Right Brain Hypothesis for Obesity. JAMA - Journal of the American Medical Association, 2007, 297, 1819. | 7.4 | 170 |
| 149 | Brain Cortical Activation during Guitar-Induced Hand Dystonia Studied by Functional MRI. NeuroImage, 2000, 12, 257-267. | 4.2 | 169 |
| 150 | EFFECTS OF FOCAL TRANSCRANIAL MAGNETIC STIMULATION ON SIMPLE REACTION TIME TO ACOUSTIC, VISUAL AND SOMATOSENSORY STIMULI. Brain, 1992, 115, 1045-1059. | 7.6 | 168 |
| 151 | Increased variability of paced finger tapping accuracy following repetitive magnetic stimulation of the cerebellum in humans. Neuroscience Letters, 2001, 306, 29-32. | 2.1 | 166 |
| 152 | Improved naming after TMS treatments in a chronic, global aphasia patient â€“ case report. Neurocase, 2005, 11, 182-193. | 0.6 | 166 |
| 153 | Transcranial Magnetic Stimulation. , 2003, , . | | 164 |
| 154 | Grammatical Distinctions in the Left Frontal Cortex. Journal of Cognitive Neuroscience, 2001, 13, 713-720. | 2.3 | 162 |
| 155 | Noninvasive Brain Stimulation With High-Frequency and Low-Intensity Repetitive Transcranial Magnetic Stimulation Treatment for Posttraumatic Stress Disorder. Journal of Clinical Psychiatry, 2010, 71, 992-999. | 2.2 | 162 |
| 156 | Intermittent Theta-Burst Stimulation of the Lateral Cerebellum Increases Functional Connectivity of the Default Network. Journal of Neuroscience, 2014, 34, 12049-12056. | 3.6 | 161 |
| 157 | What blindness can tell us about seeing again: merging neuroplasticity and neuroprostheses. Nature Reviews Neuroscience, 2005, 6, 71-77. | 10.2 | 160 |
| 158 | Conscious Brain-to-Brain Communication in Humans Using Non-Invasive Technologies. PLoS ONE, 2014, 9, e105225. | 2.5 | 160 |
| 159 | Alexia for Braille following bilateral occipital stroke in an early blind woman. NeuroReport, 2000, 11, 237-240. | 1.2 | 159 |
| 160 | Overt naming fMRI pre- and post-TMS: Two nonfluent aphasia patients, with and without improved naming post-TMS. Brain and Language, 2009, 111, 20-35. | 1.6 | 158 |
| 161 | Modulation of smoking and decision-making behaviors with transcranial direct current stimulation in tobacco smokers: A preliminary study. Drug and Alcohol Dependence, 2014, 140, 78-84. | 3.2 | 156 |
| 162 | Reliability of Resting-State Microstate Features in Electroencephalography. PLoS ONE, 2014, 9, e114163. | 2.5 | 156 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Safety and proof of principle study of cerebellar vermal theta burst stimulation in refractory schizophrenia. Schizophrenia Research, 2010, 124, 91-100. | 2.0 | 154 |
| 164 | Transcranial Magnetic Stimulation in Child Neurology: Current and Future Directions. Journal of Child Neurology, 2008, 23, 79-96. | 1.4 | 149 |
| 165 | All Talk and No Action: A Transcranial Magnetic Stimulation Study of Motor Cortex Activation during Action Word Production. Journal of Cognitive Neuroscience, 2004, 16, 374-381. | 2.3 | 146 |
| 166 | Sensitive Period for a Multimodal Response in Human Visual Motion Area MT/MST. Current Biology, 2010, 20, 1900-1906. | 3.9 | 146 |
| 167 | Effects of tDCS on executive function in Parkinson's disease. Neuroscience Letters, 2014, 582, 27-31. | 2.1 | 146 |
| 168 | Correlation of cerebral blood flow and treatment effects of repetitive transcranial magnetic stimulation in depressed patients. Psychiatry Research - Neuroimaging, 2002, 115, 1-14. | 1.8 | 144 |
| 169 | Disruption of Primary Motor Cortex before Learning Impairs Memory of Movement Dynamics. Journal of Neuroscience, 2006, 26, 12466-12470. | 3.6 | 144 |
| 170 | Multifocal tDCS targeting the resting state motor network increases cortical excitability beyond traditional tDCS targeting unilateral motor cortex. NeuroImage, 2017, 157, 34-44. | 4.2 | 143 |
| 171 | Visual cortex excitability increases during visual mental imageryâ€”a TMS study in healthy human subjects. Brain Research, 2002, 938, 92-97. | 2.2 | 142 |
| 172 | Modulation of decisionâ€making in a gambling task in older adults with transcranial direct current stimulation. European Journal of Neuroscience, 2010, 31, 593-597. | 2.6 | 142 |
| 173 | Down-Regulation of Negative Emotional Processing by Transcranial Direct Current Stimulation: Effects of Personality Characteristics. PLoS ONE, 2011, 6, e22812. | 2.5 | 141 |
| 174 | Modulation of the neuronal circuitry subserving working memory in healthy human subjects by repetitive transcranial magnetic stimulation. Neuroscience Letters, 2000, 280, 167-170. | 2.1 | 139 |
| 175 | Exploration and modulation of brain network interactions with noninvasive brain stimulation in combination with neuroimaging. European Journal of Neuroscience, 2012, 35, 805-825. | 2.6 | 138 |
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