

Mark A Halko

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

3,155
citations

361296

20
h-index

345118

36
g-index

41
all docs

41
docs citations

41
times ranked

4339
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Visual Topography of Human Intraparietal Sulcus. <i>Journal of Neuroscience</i> , 2007, 27, 5326-5337. | 1.7 | 429 |
| 2 | The Theory and Neuroscience of Cerebellar Cognition. <i>Annual Review of Neuroscience</i> , 2019, 42, 337-364. | 5.0 | 337 |
| 3 | 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, 302-315. | 0.8 | 318 |
| 4 | Measuring and manipulating brain connectivity with resting state functional connectivity magnetic resonance imaging (fcMRI) and transcranial magnetic stimulation (TMS). <i>NeuroImage</i> , 2012, 62, 2232-2243. | 2.1 | 315 |
| 5 | Cerebellar-Prefrontal Network Connectivity and Negative Symptoms in Schizophrenia. <i>American Journal of Psychiatry</i> , 2019, 176, 512-520. | 4.0 | 245 |
| 6 | 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, 21229-21234. | 3.3 | 243 |
| 7 | Intermittent Theta-Burst Stimulation of the Lateral Cerebellum Increases Functional Connectivity of the Default Network. <i>Journal of Neuroscience</i> , 2014, 34, 12049-12056. | 1.7 | 161 |
| 8 | Combined Activation and Deactivation of Visual Cortex During Tactile Sensory Processing. <i>Journal of Neurophysiology</i> , 2007, 97, 1633-1641. | 0.9 | 132 |
| 9 | Functional Evidence for a Cerebellar Node of the Dorsal Attention Network. <i>Journal of Neuroscience</i> , 2016, 36, 6083-6096. | 1.7 | 119 |
| 10 | Neuroplastic changes following rehabilitative training correlate with regional electrical field induced with tDCS. <i>NeuroImage</i> , 2011, 57, 885-891. | 2.1 | 104 |
| 11 | Individualized perturbation of the human connectome reveals reproducible biomarkers of network dynamics relevant to cognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 8115-8125. | 3.3 | 99 |
| 12 | Topographic Cortico-cerebellar Networks Revealed by Visual Attention and Working Memory. <i>Current Biology</i> , 2018, 28, 3364-3372.e5. | 1.8 | 78 |
| 13 | Gait Speed and Gait Variability Are Associated with Different Functional Brain Networks. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 390. | 1.7 | 77 |
| 14 | Teaching the Blind to Find Their Way by Playing Video Games. <i>PLoS ONE</i> , 2012, 7, e44958. | 1.1 | 67 |
| 15 | Reverse-translational identification of a cerebellar satiation network. <i>Nature</i> , 2021, 600, 269-273. | 13.7 | 57 |
| 16 | Combining Visual Rehabilitative Training and Noninvasive Brain Stimulation to Enhance Visual Function in Patients With Hemianopia: A Comparative Case Study. <i>PM and R</i> , 2011, 3, 825-835. | 0.9 | 53 |
| 17 | Network-targeted cerebellar transcranial magnetic stimulation improves attentional control. <i>NeuroImage</i> , 2017, 156, 190-198. | 2.1 | 46 |
| 18 | Enhancing the Temporal Complexity of Distributed Brain Networks with Patterned Cerebellar Stimulation. <i>Scientific Reports</i> , 2016, 6, 23599. | 1.6 | 45 |

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|----|--|-----|-----------|
| 19 | Stimulus-Specific Visual Working Memory Representations in Human Cerebellar Lobule VIIb/VIIIa. <i>Journal of Neuroscience</i> , 2021, 41, 1033-1045. | 1.7 | 29 |
| 20 | Intermittent theta burst stimulation of cerebellar vermis enhances fronto-cerebellar resting state functional connectivity in schizophrenia with predominant negative symptoms: A randomized controlled trial. <i>Schizophrenia Research</i> , 2021, 238, 108-120. | 1.1 | 27 |
| 21 | Changes in white matter microstructure in patients with TLE and hippocampal sclerosis. <i>Epileptic Disorders</i> , 2009, 11, 244-250. | 0.7 | 26 |
| 22 | Multiple mechanisms of illusory contour perception. <i>Journal of Vision</i> , 2008, 8, 17-17. | 0.1 | 22 |
| 23 | Real world navigation independence in the early blind correlates with differential brain activity associated with virtual navigation. <i>Human Brain Mapping</i> , 2014, 35, 2768-2778. | 1.9 | 22 |
| 24 | Reconfiguration of Intrinsic Functional Coupling Patterns Following Circumscribed Network Lesions. <i>Cerebral Cortex</i> , 2016, 27, bhw139. | 1.6 | 21 |
| 25 | Neuroplasticity associated with tactile language communication in a deaf-blind subject. <i>Frontiers in Human Neuroscience</i> , 2010, 3, 60. | 1.0 | 17 |
| 26 | Increased Myo-Inositol in Primary Motor Cortex of Contact Sports Athletes without a History of Concussion. <i>Journal of Neurotrauma</i> , 2018, 35, 953-962. | 1.7 | 12 |
| 27 | Combining Transcranial Magnetic Stimulation and fMRI to Examine the Default Mode Network. <i>Journal of Visualized Experiments</i> , 2010, , . | 0.2 | 11 |
| 28 | Evidence for Schizophrenia-Specific Pathophysiology of Nicotine Dependence. <i>Frontiers in Psychiatry</i> , 2022, 13, 804055. | 1.3 | 9 |
| 29 | Noninvasive Brain Stimulation in the Study of the Human Visual System. <i>Journal of Glaucoma</i> , 2013, 22, S39-S41. | 0.8 | 8 |
| 30 | Cerebellar Contributions to Visual Attention and Visual Working Memory Revealed by Functional MRI and Intrinsic Functional Connectivity. <i>Journal of Vision</i> , 2015, 15, 232. | 0.1 | 5 |
| 31 | The functional implications and modifiability of resting-state brain network complexity in older adults. <i>Neuroscience Letters</i> , 2020, 720, 134775. | 1.0 | 4 |
| 32 | Bridging the Gap: Strategies to Make Psychiatric Neuroimaging Clinically Relevant. <i>Harvard Review of Psychiatry</i> , 2021, 29, 185-187. | 0.9 | 4 |
| 33 | Gait Variability Is Associated With the Strength of Functional Connectivity Between the Default and Dorsal Attention Brain Networks: Evidence From Multiple Cohorts. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, e328-e334. | 1.7 | 4 |
| 34 | Combination of Transcranial Magnetic Stimulation (TMS) with Functional Magnetic Resonance Imaging. <i>NeuroMethods</i> , 2014, , 179-196. | 0.2 | 4 |
| 35 | Noninvasive Brain Stimulation for Nicotine Dependence in Schizophrenia: A Mini Review. <i>Frontiers in Psychiatry</i> , 2022, 13, 824878. | 1.3 | 3 |
| 36 | Evidence for Schizophrenia-Specific Pathophysiology of Nicotine Dependence. <i>Biological Psychiatry</i> , 2021, 89, S357. | 0.7 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Visuospatial attentional selectivity within the cerebellum. <i>Journal of Vision</i> , 2017, 17, 524. | 0.1 | 1 |
| 38 | Cortical network targets of cerebellar transcranial magnetic stimulation. <i>Brain Stimulation</i> , 2017, 10, e29-e30. | 0.7 | 0 |
| 39 | O7. Modulating Functional Connectivity to Ameliorate Negative Symptoms in Schizophrenia. <i>Biological Psychiatry</i> , 2018, 83, S110-S111. | 0.7 | 0 |
| 40 | Cerebellar-Cortical Disconnectivity Causes Cognitive Dysfunction in Psychotic Disorders. <i>Biological Psychiatry</i> , 2020, 87, S11. | 0.7 | 0 |
| 41 | Retinotopically Targeted Temporal Interference Stimulation to Human Visual Cortex. <i>Journal of Vision</i> , 2020, 20, 1282. | 0.1 | 0 |