

Michael D Fox

List of Publications by Year in descending order

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Version: 2024-02-01

114
papers

39,373
citations

20817
60
h-index

24258
110
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119
all docs

119
docs citations

119
times ranked

27051
citing authors

#	ARTICLE	IF	CITATIONS
1	Is There an Optimal Repetitive Transcranial Magnetic Stimulation Target to Treat Chronic Tinnitus?. Otolaryngology - Head and Neck Surgery, 2023, 168, 300-306.	1.9	3
2	A Neural Circuit for Spirituality and Religiosity Derived From Patients With Brain Lesions. Biological Psychiatry, 2022, 91, 380-388.	1.3	26
3	Using brain lesions to inform connectomic DBS. , 2022, , 325-337.		1
4	Combining invasive and noninvasive brain stimulation. , 2022, , 505-523.		2
5	Network Localization of Unconscious Visual Perception in Blindsight. Annals of Neurology, 2022, 91, 217-224.	5.3	10
6	Associations Between Stroke Localization and Delirium: A Systematic Review and Meta-Analysis. Journal of Stroke and Cerebrovascular Diseases, 2022, 31, 106270.	1.6	10
7	A brain network for deep brain stimulation induced cognitive decline in Parkinson's disease. Brain, 2022, 145, 1410-1421.	7.6	36
8	A neural network for tics: insights from causal brain lesions and deep brain stimulation. Brain, 2022, 145, 4385-4397.	7.6	32
9	Regional Distribution of Brain Injury After Cardiac Arrest. Neurology, 2022, 98, .	1.1	13
10	Sex-specific lesion pattern of functional outcomes after stroke. Brain Communications, 2022, 4, fcac020.	3.3	8
11	Updated scalp heuristics for localizing the dorsolateral prefrontal cortex based on convergent evidence of lesion and brain stimulation studies in depression. Brain Stimulation, 2022, 15, 291-295.	1.6	11
12	Toward personalized medicine in connectomic deep brain stimulation. Progress in Neurobiology, 2022, 210, 102211.	5.7	31
13	Converging on a Neuromodulation Target for Tremor. Annals of Neurology, 2022, 91, 581-584.	5.3	5
14	Placebo effects and neuromodulation for depression: a meta-analysis and evaluation of shared mechanisms. Molecular Psychiatry, 2022, 27, 1658-1666.	7.9	20
15	Causal mapping of human brain function. Nature Reviews Neuroscience, 2022, 23, 361-375.	10.2	106
16	Lesion network mapping of mania using different normative connectomes. Brain Structure and Function, 2022, 227, 3121-3127.	2.3	7
17	Circuit-Targeted Neuromodulation for Anhedonia. Current Topics in Behavioral Neurosciences, 2022, , 515-535.	1.7	6
18	Lesion Network Mapping Using Resting-State Functional Connectivity MRI. Neuromethods, 2022, , 181-198.	0.3	1

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19	Brain lesions disrupting addiction map to a common human brain circuit. <i>Nature Medicine</i> , 2022, 28, 1249-1255.	30.7	61
20	Lesion network mapping for symptom localization: recent developments and future directions. <i>Current Opinion in Neurology</i> , 2022, 35, 453-459.	3.6	15
21	Using Brain Imaging to Improve Spatial Targeting of Transcranial Magnetic Stimulation for Depression. <i>Biological Psychiatry</i> , 2021, 90, 689-700.	1.3	156
22	“Expedited Interhemispheric Inhibition”™: A Simple Method to Collect Additional IHI Data in the Same Amount of Time. <i>Brain Topography</i> , 2021, 34, 1-5.	1.8	3
23	Safety and recommendations for TMS use in healthy subjects and patient populations, with updates on training, ethical and regulatory issues: Expert Guidelines. <i>Clinical Neurophysiology</i> , 2021, 132, 269-306.	1.5	553
24	Lesions causing hallucinations localize to one common brain network. <i>Molecular Psychiatry</i> , 2021, 26, 1299-1309.	7.9	74
25	Tuber Locations Associated with Infantile Spasms Map to a Common Brain Network. <i>Annals of Neurology</i> , 2021, 89, 726-739.	5.3	24
26	Co-activation patterns across multiple tasks reveal robust anti-correlated functional networks. <i>NeuroImage</i> , 2021, 227, 117680.	4.2	25
27	Lesion network mapping predicts post-stroke behavioural deficits and improves localization. <i>Brain</i> , 2021, 144, e35-e35.	7.6	21
28	Identification of Personalized Transcranial Magnetic Stimulation Targets Based on Subgenual Cingulate Connectivity: An Independent Replication. <i>Biological Psychiatry</i> , 2021, 90, e55-e56.	1.3	49
29	Brain stimulation and brain lesions converge on common causal circuits in neuropsychiatric disease. <i>Nature Human Behaviour</i> , 2021, 5, 1707-1716.	12.0	113
30	Reply: Looking beyond indirect lesion network mapping of prosopagnosia: direct measures required. <i>Brain</i> , 2021, 144, e76.	7.6	1
31	Clinical applications of magnetic resonance imaging based functional and structural connectivity. <i>NeuroImage</i> , 2021, 244, 118649.	4.2	21
32	Coordinate Network Mapping: An Emerging Approach for Morphometric Meta-Analysis. <i>American Journal of Psychiatry</i> , 2021, 178, 1080-1081.	7.2	3
33	Freezing of gait: understanding the complexity of an enigmatic phenomenon. <i>Brain</i> , 2020, 143, 14-30.	7.6	97
34	Mapping migraine to a common brain network. <i>Brain</i> , 2020, 143, 541-553.	7.6	55
35	Cortical lesions causing loss of consciousness are anticorrelated with the dorsal brainstem. <i>Human Brain Mapping</i> , 2020, 41, 1520-1531.	3.6	49
36	Opportunities of connectomic neuromodulation. <i>NeuroImage</i> , 2020, 221, 117180.	4.2	119

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37	Reply: No grey matter alterations in longitudinal data of migraine patients. <i>Brain</i> , 2020, 143, e94-e94.	7.6	0
38	Reply: The influence of sample size and arbitrary statistical thresholds in lesion-network mapping. <i>Brain</i> , 2020, 143, e41-e41.	7.6	21
39	Reply: A lack of consistent brain grey matter alterations in migraine. <i>Brain</i> , 2020, 143, e46-e46.	7.6	0
40	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.	7.1	99
41	Distinct Symptom-Specific Treatment Targets for Circuit-Based Neuromodulation. <i>American Journal of Psychiatry</i> , 2020, 177, 435-446.	7.2	183
42	Mapping mania symptoms based on focal brain damage. <i>Journal of Clinical Investigation</i> , 2020, 130, 5209-5222.	8.2	42
43	A human memory circuit derived from brain lesions causing amnesia. <i>Nature Communications</i> , 2019, 10, 3497.	12.8	108
44	A Human Depression Circuit Derived From Focal Brain Lesions. <i>Biological Psychiatry</i> , 2019, 86, 749-758.	1.3	158
45	Neuroimaging in Parkinson's disease dementia: connecting the dots. <i>Brain Communications</i> , 2019, 1, fcz006.	3.3	62
46	Mapping holmes tremor circuit using the human brain connectome. <i>Annals of Neurology</i> , 2019, 86, 812-820.	5.3	54
47	Image Is Everything. <i>Annals of Neurology</i> , 2019, 86, 641-642.	5.3	0
48	Neural function in <i>DCC</i> mutation carriers with and without mirror movements. <i>Annals of Neurology</i> , 2019, 85, 433-442.	5.3	12
49	Network localization of cervical dystonia based on causal brain lesions. <i>Brain</i> , 2019, 142, 1660-1674.	7.6	160
50	Reply: Heterogeneous neuroimaging findings, damage propagation and connectivity: an integrative view. <i>Brain</i> , 2019, 142, e18-e18.	7.6	2
51	Looking beyond the face area: lesion network mapping of prosopagnosia. <i>Brain</i> , 2019, 142, 3975-3990.	7.6	91
52	Network localization of heterogeneous neuroimaging findings. <i>Brain</i> , 2019, 142, 70-79.	7.6	91
53	Rostral anterior cingulate cortex is a structural correlate of repetitive TMS treatment response in depression. <i>Brain Stimulation</i> , 2018, 11, 575-581.	1.6	66
54	Lesion network localization of criminal behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 601-606.	7.1	147

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55	Prospective Validation That Subgenual Connectivity Predicts Antidepressant Efficacy of Transcranial Magnetic Stimulation Sites. <i>Biological Psychiatry</i> , 2018, 84, 28-37.	1.3	323
56	Mapping Symptoms to Brain Networks with the Human Connectome. <i>New England Journal of Medicine</i> , 2018, 379, 2237-2245.	27.0	416
57	Lesion network localization of free will. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10792-10797.	7.1	108
58	Connectivity of sleep- and wake-promoting regions of the human hypothalamus observed during resting wakefulness. <i>Sleep</i> , 2018, 41, .	1.1	33
59	Tai Chi for Reducing Dual-task Gait Variability, a Potential Mediator of Fall Risk in Parkinson's Disease: A Pilot Randomized Controlled Trial. <i>Global Advances in Health and Medicine</i> , 2018, 7, 216495611877538.	1.6	42
60	Localizing parkinsonism based on focal brain lesions. <i>Brain</i> , 2018, 141, 2445-2456.	7.6	111
61	Resting-state functional connectivity of subcortical locomotor centers explains variance in walking capacity. <i>Human Brain Mapping</i> , 2018, 39, 4831-4843.	3.6	20
62	Identifying therapeutic targets from spontaneous beneficial brain lesions. <i>Annals of Neurology</i> , 2018, 84, 153-157.	5.3	55
63	Probabilistic conversion of neurosurgical DBS electrode coordinates into MNI space. <i>NeuroImage</i> , 2017, 150, 395-404.	4.2	121
64	Resting-state connectivity biomarkers define neurophysiological subtypes of depression. <i>Nature Medicine</i> , 2017, 23, 28-38.	30.7	1,554
65	Finding the imposter: brain connectivity of lesions causing delusional misidentifications. <i>Brain</i> , 2017, 140, 497-507.	7.6	175
66	Reply: Capgras syndrome: neuroanatomical assessment of brain MRI findings in an adolescent patient. <i>Brain</i> , 2017, 140, e44-e44.	7.6	13
67	Connectivity Predicts deep brain stimulation outcome in Parkinson disease. <i>Annals of Neurology</i> , 2017, 82, 67-78.	5.3	514
68	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.	4.2	143
69	Lesions causing freezing of gait localize to a cerebellar functional network. <i>Annals of Neurology</i> , 2017, 81, 129-141.	5.3	129
70	Construction and modeling of a reconfigurable MRI coil for lowering SAR in patients with deep brain stimulation implants. <i>NeuroImage</i> , 2017, 147, 577-588.	4.2	58
71	Antidepressant Effect of Low-Frequency Right-Sided rTMS in Two Patients with Left Frontal Stroke. <i>Brain Stimulation</i> , 2017, 10, 150-151.	1.6	6
72	Towards a consensus regarding global signal regression for resting state functional connectivity MRI. <i>NeuroImage</i> , 2017, 154, 169-173.	4.2	852

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73	The impact of Tai Chi and Qigong mind-body exercises on motor and non-motor function and quality of life in Parkinson's disease: A systematic review and meta-analysis. Parkinsonism and Related Disorders, 2017, 41, 3-13.	2.2	141
74	Reply. Pain, 2016, 157, 1175-1176.	4.2	0
75	Network localization of hemichorea-hemiballismus. Neurology, 2016, 86, 2187-2195.	1.1	121
76	Multifocal repetitive TMS for motor and mood symptoms of Parkinson disease. Neurology, 2016, 87, 1907-1915.	1.1	131
77	A human brain network derived from coma-causing brainstem lesions. Neurology, 2016, 87, 2427-2434.	1.1	187
78	An open letter concerning do-it-yourself users of transcranial direct current stimulation. Annals of Neurology, 2016, 80, 1-4.	5.3	81
79	An integrated framework for targeting functional networks via transcranial magnetic stimulation. NeuroImage, 2016, 127, 86-96.	4.2	99
80	Combining task-evoked and spontaneous activity to improve pre-operative brain mapping with fMRI. NeuroImage, 2016, 124, 714-723.	4.2	24
81	Reliability correction for functional connectivity: Theory and implementation. Human Brain Mapping, 2015, 36, 4664-4680.	3.6	71
82	Transcranial magnetic stimulation of the brain. Pain, 2015, 156, 1601-1614.	4.2	125
83	Concordance Between BeamF3 and MRI-neuronavigated Target Sites for Repetitive Transcranial Magnetic Stimulation of the Left Dorsolateral Prefrontal Cortex. Brain Stimulation, 2015, 8, 965-973.	1.6	153
84	Brain Stimulation for Torsion Dystonia. JAMA Neurology, 2015, 72, 713.	9.0	68
85	Network localization of neurological symptoms from focal brain lesions. Brain, 2015, 138, 3061-3075.	7.6	364
86	Parcellating cortical functional networks in individuals. Nature Neuroscience, 2015, 18, 1853-1860.	14.8	429
87	Neurobiological basis of head motion in brain imaging. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6058-6062.	7.1	265
88	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
89	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
90	Transcranial Magnetic Stimulation in the Treatment of Neurological Disease. Psychiatric Annals, 2014, 44, 299-304.	0.1	0

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91	Individual Variability in Functional Connectivity Architecture of the Human Brain. <i>Neuron</i> , 2013, 77, 586-595.	8.1	949
92	Identification of reproducible individualized targets for treatment of depression with TMS based on intrinsic connectivity. <i>NeuroImage</i> , 2013, 66, 151-160.	4.2	275
93	“Bright tongue sign” in ALS. <i>Neurology</i> , 2012, 79, 1520-1520.	1.1	10
94	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.	4.2	315
95	Exploration and modulation of brain network interactions with noninvasive brain stimulation in combination with neuroimaging. <i>European Journal of Neuroscience</i> , 2012, 35, 805-825.	2.6	138
96	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.	1.3	828
97	Clinical applications of resting state functional connectivity. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, 19.	2.5	911
98	Noninvasive Functional and Structural Connectivity Mapping of the Human Thalamocortical System. <i>Cerebral Cortex</i> , 2010, 20, 1187-1194.	2.9	327
99	PREOPERATIVE SENSORIMOTOR MAPPING IN BRAIN TUMOR PATIENTS USING SPONTANEOUS FLUCTUATIONS IN NEURONAL ACTIVITY IMAGED WITH FUNCTIONAL MAGNETIC RESONANCE IMAGING. <i>Operative Neurosurgery</i> , 2009, 65, ons226-ons236.	0.8	146
100	The Global Signal and Observed Anticorrelated Resting State Brain Networks. <i>Journal of Neurophysiology</i> , 2009, 101, 3270-3283.	1.8	1,732
101	Resting-state Spontaneous Fluctuations in Brain Activity. <i>Academic Radiology</i> , 2009, 16, 578-583.	2.5	143
102	Intrinsic Functional Relations Between Human Cerebral Cortex and Thalamus. <i>Journal of Neurophysiology</i> , 2008, 100, 1740-1748.	1.8	399
103	Intrinsic Fluctuations within Cortical Systems Account for Intertrial Variability in Human Behavior. <i>Neuron</i> , 2007, 56, 171-184.	8.1	731
104	Distinct brain networks for adaptive and stable task control in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 11073-11078.	7.1	2,290
105	A method for using blocked and event-related fMRI data to study “resting state” functional connectivity. <i>NeuroImage</i> , 2007, 35, 396-405.	4.2	522
106	Spontaneous fluctuations in brain activity observed with functional magnetic resonance imaging. <i>Nature Reviews Neuroscience</i> , 2007, 8, 700-711.	10.2	5,936
107	Intrinsic functional architecture in the anaesthetized monkey brain. <i>Nature</i> , 2007, 447, 83-86.	27.8	1,730
108	Spontaneous neuronal activity distinguishes human dorsal and ventral attention systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10046-10051.	7.1	1,843

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109	Coherent spontaneous activity accounts for trial-to-trial variability in human evoked brain responses. Nature Neuroscience, 2006, 9, 23-25.	14.8	633
110	Coherent Spontaneous Activity Identifies a Hippocampal-Parietal Memory Network. Journal of Neurophysiology, 2006, 96, 3517-3531.	1.8	924
111	The BOLD onset transient: identification of novel functional differences in schizophrenia. NeuroImage, 2005, 25, 771-782.	4.2	41
112	Transient BOLD responses at block transitions. NeuroImage, 2005, 28, 956-966.	4.2	109
113	The human brain is intrinsically organized into dynamic, anticorrelated functional networks. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9673-9678.	7.1	7,496
114	Arthritis in Mice Due to Infection with Mycoplasma pulmonis, I. Clinical and Microbiologic Features. Journal of Infectious Diseases, 1973, 128, 533-540.	4.0	34