Michael D Fox

List of Publications by Year
in descending order

114 papers	39,373 citations	20817 60 h-index	24258 110 g-index
119 all docs	119 docs citations	119 times ranked	27051 citing authors

#	Article	IF	Citations
1	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
2	Spontaneous fluctuations in brain activity observed with functional magnetic resonance imaging. Nature Reviews Neuroscience, 2007, 8, 700-711.	10.2	5,936
3	Distinct brain networks for adaptive and stable task control in humans. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11073-11078.	7.1	2,290
4	Spontaneous neuronal activity distinguishes human dorsal and ventral attention systems. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 10046-10051.	7.1	1,843
5	The Global Signal and Observed Anticorrelated Resting State Brain Networks. Journal of Neurophysiology, 2009, 101, 3270-3283.	1.8	1,732
6	Intrinsic functional architecture in the anaesthetized monkey brain. Nature, 2007, 447, 83-86.	27.8	1,730
7	Resting-state connectivity biomarkers define neurophysiological subtypes of depression. Nature Medicine, 2017, 23, 28-38.	30.7	1,554
8	Individual Variability in Functional Connectivity Architecture of the Human Brain. Neuron, 2013, 77, 586-595.	8.1	949
9	Coherent Spontaneous Activity Identifies a Hippocampal-Parietal Memory Network. Journal of Neurophysiology, 2006, 96, 3517-3531.	1.8	924
10	Clinical applications of resting state functional connectivity. Frontiers in Systems Neuroscience, 2010, 4, 19.	2.5	911
11	Towards a consensus regarding global signal regression for resting state functional connectivity MRI. NeuroImage, 2017, 154, 169-173.	4.2	852
12	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
13	Intrinsic Fluctuations within Cortical Systems Account for Intertrial Variability in Human Behavior. Neuron, 2007, 56, 171-184.	8.1	731
14	Coherent spontaneous activity accounts for trial-to-trial variability in human evoked brain responses. Nature Neuroscience, 2006, 9, 23-25.	14.8	633
15	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
16	A method for using blocked and event-related fMRI data to study â€œresting stateâ€•functional connectivity. NeuroImage, 2007, 35, 396-405.	4.2	522
17	Connectivity Predicts deep brain stimulation outcome in <scp>P</scp>arkinson disease. Annals of Neurology, 2017, 82, 67-78.	5.3	514
18	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

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19	Parcellating cortical functional networks in individuals. Nature Neuroscience, 2015, 18, 1853-1860.	14.8	429
20	Mapping Symptoms to Brain Networks with the Human Connectome. New England Journal of Medicine, 2018, 379, 2237-2245.	27.0	416
21	Intrinsic Functional Relations Between Human Cerebral Cortex and Thalamus. Journal of Neurophysiology, 2008, 100, 1740-1748.	1.8	399
22	Network localization of neurological symptoms from focal brain lesions. Brain, 2015, 138, 3061-3075.	7.6	364
23	Noninvasive Functional and Structural Connectivity Mapping of the Human Thalamocortical System. Cerebral Cortex, 2010, 20, 1187-1194.	2.9	327
24	Prospective Validation That Subgenual Connectivity Predicts Antidepressant Efficacy of Transcranial Magnetic Stimulation Sites. Biological Psychiatry, 2018, 84, 28-37.	1.3	323
25	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
26	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
27	Identification of reproducible individualized targets for treatment of depression with TMS based on intrinsic connectivity. NeuroImage, 2013, 66, 151-160.	4.2	275
28	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
29	A human brain network derived from coma-causing brainstem lesions. Neurology, 2016, 87, 2427-2434.	1.1	187
30	Distinct Symptom-Specific Treatment Targets for Circuit-Based Neuromodulation. American Journal of Psychiatry, 2020, 177, 435-446.	7.2	183
31	Finding the imposter: brain connectivity of lesions causing delusional misidentifications. Brain, 2017, 140, 497-507.	7.6	175
32	Network localization of cervical dystonia based on causal brain lesions. Brain, 2019, 142, 1660-1674.	7.6	160
33	A Human Depression Circuit Derived From Focal Brain Lesions. Biological Psychiatry, 2019, 86, 749-758.	1.3	158
34	Using Brain Imaging to Improve Spatial Targeting of Transcranial Magnetic Stimulation for Depression. Biological Psychiatry, 2021, 90, 689-700.	1.3	156
35	Concordance Between BeamF3 and MRI-neuronavigated Target SitesÂfor Repetitive Transcranial Magnetic Stimulation of the LeftÂDorsolateral Prefrontal Cortex. Brain Stimulation, 2015, 8, 965-973.	1.6	153
36	Lesion network localization of criminal behavior. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 601-606.	7.1	147

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37	PREOPERATIVE SENSORIMOTOR MAPPING IN BRAIN TUMOR PATIENTS USING SPONTANEOUS FLUCTUATIONS IN NEURONAL ACTIVITY IMAGED WITH FUNCTIONAL MAGNETIC RESONANCE IMAGING. Operative Neurosurgery, 2009, 65, ons226-ons236.	0.8	146
38	Resting-state Spontaneous Fluctuations in Brain Activity. Academic Radiology, 2009, 16, 578-583.	2.5	143
39	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
40	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
41	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
42	Multifocal repetitive TMS for motor and mood symptoms of Parkinson disease. Neurology, 2016, 87, 1907-1915.	1.1	131
43	Lesions causing freezing of gait localize to a cerebellar functional network. Annals of Neurology, 2017, 81, 129-141.	5.3	129
44	Transcranial magnetic stimulation of the brain. Pain, 2015, 156, 1601-1614.	4.2	125
45	Network localization of hemichorea-hemiballismus. Neurology, 2016, 86, 2187-2195.	1.1	121
46	Probabilistic conversion of neurosurgical DBS electrode coordinates into MNI space. NeuroImage, 2017, 150, 395-404.	4.2	121
47	Opportunities of connectomic neuromodulation. NeuroImage, 2020, 221, 117180.	4.2	119
48	Brain stimulation and brain lesions converge on common causal circuits in neuropsychiatric disease. Nature Human Behaviour, 2021, 5, 1707-1716.	12.0	113
49	Localizing parkinsonism based on focal brain lesions. Brain, 2018, 141, 2445-2456.	7.6	111
50	Transient BOLD responses at block transitions. NeuroImage, 2005, 28, 956-966.	4.2	109
51	Lesion network localization of free will. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10792-10797.	7.1	108
52	A human memory circuit derived from brain lesions causing amnesia. Nature Communications, 2019, 10, 3497.	12.8	108
53	Causal mapping of human brain function. Nature Reviews Neuroscience, 2022, 23, 361-375.	10.2	106
54	An integrated framework for targeting functional networks via transcranial magnetic stimulation. NeuroImage, 2016, 127, 86-96.	4.2	99

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55	Individualized perturbation of the human connectome reveals reproducible biomarkers of network dynamics relevant to cognition. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8115-8125.	7.1	99
56	Freezing of gait: understanding the complexity of an enigmatic phenomenon. Brain, 2020, 143, 14-30.	7.6	97
57	Looking beyond the face area: lesion network mapping of prosopagnosia. Brain, 2019, 142, 3975-3990.	7.6	91
58	Network localization of heterogeneous neuroimaging findings. Brain, 2019, 142, 70-79.	7.6	91
59	An open letter concerning doâ€itâ€yourself users of transcranial direct current stimulation. Annals of Neurology, 2016, 80, 1-4.	5.3	81
60	Lesions causing hallucinations localize to one common brain network. Molecular Psychiatry, 2021, 26, 1299-1309.	7.9	74
61	Reliability correction for functional connectivity: Theory and implementation. Human Brain Mapping, 2015, 36, 4664-4680.	3.6	71
62	Brain Stimulation for Torsion Dystonia. JAMA Neurology, 2015, 72, 713.	9.0	68
63	Rostral anterior cingulate cortex is a structural correlate of repetitive TMS treatment response in depression. Brain Stimulation, 2018, 11, 575-581.	1.6	66
64	Neuroimaging in Parkinsonâ€™s disease dementia: connecting the dots. Brain Communications, 2019, 1, fcz006.	3.3	62
65	Brain lesions disrupting addiction map to a common human brain circuit. Nature Medicine, 2022, 28, 1249-1255.	30.7	61
66	Construction and modeling of a reconfigurable MRI coil for lowering SAR in patients with deep brain stimulation implants. NeuroImage, 2017, 147, 577-588.	4.2	58
67	Identifying therapeutic targets from spontaneous beneficial brain lesions. Annals of Neurology, 2018, 84, 153-157.	5.3	55
68	Mapping migraine to a common brain network. Brain, 2020, 143, 541-553.	7.6	55
69	Mapping holmes tremor circuit using the human brain connectome. Annals of Neurology, 2019, 86, 812-820.	5.3	54
70	Cortical lesions causing loss of consciousness are anticorrelated with the dorsal brainstem. Human Brain Mapping, 2020, 41, 1520-1531.	3.6	49
71	Identification of Personalized Transcranial Magnetic Stimulation Targets Based on Subgenual Cingulate Connectivity: An Independent Replication. Biological Psychiatry, 2021, 90, e55-e56.	1.3	49
72	Tai Chi for Reducing Dual-task Gait Variability, a Potential Mediator of Fall Risk in Parkinsonâ€™s Disease: A Pilot Randomized Controlled Trial. Global Advances in Health and Medicine, 2018, 7, 216495611877538.	1.6	42

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73	Mapping mania symptoms based on focal brain damage. Journal of Clinical Investigation, 2020, 130, 5209-5222.	8.2	42
74	The BOLD onset transient: identification of novel functional differences in schizophrenia. NeuroImage, 2005, 25, 771-782.	4.2	41
75	A brain network for deep brain stimulation induced cognitive decline in Parkinsonâ€™s disease. Brain, 2022, 145, 1410-1421.	7.6	36
76	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
77	Connectivity of sleep- and wake-promoting regions of the human hypothalamus observed during resting wakefulness. Sleep, 2018, 41, .	1.1	33
78	A neural network for tics: insights from causal brain lesions and deep brain stimulation. Brain, 2022, 145, 4385-4397.	7.6	32
79	Toward personalized medicine in connectomic deep brain stimulation. Progress in Neurobiology, 2022, 210, 102211.	5.7	31
80	A Neural Circuit for Spirituality and Religiosity Derived From Patients With Brain Lesions. Biological Psychiatry, 2022, 91, 380-388.	1.3	26
81	Co-activation patterns across multiple tasks reveal robust anti-correlated functional networks. NeuroImage, 2021, 227, 117680.	4.2	25
82	Combining task-evoked and spontaneous activity to improve pre-operative brain mapping with fMRI. NeuroImage, 2016, 124, 714-723.	4.2	24
83	Tuber Locations Associated with Infantile Spasms Map to a Common Brain Network. Annals of Neurology, 2021, 89, 726-739.	5.3	24
84	Reply: The influence of sample size and arbitrary statistical thresholds in lesion-network mapping. Brain, 2020, 143, e41-e41.	7.6	21
85	Lesion network mapping predicts post-stroke behavioural deficits and improves localization. Brain, 2021, 144, e35-e35.	7.6	21
86	Clinical applications of magnetic resonance imaging based functional and structural connectivity. NeuroImage, 2021, 244, 118649.	4.2	21
87	Restingâ€state functional connectivity of subcortical locomotor centers explains variance in walking capacity. Human Brain Mapping, 2018, 39, 4831-4843.	3.6	20
88	Placebo effects and neuromodulation for depression: a meta-analysis and evaluation of shared mechanisms. Molecular Psychiatry, 2022, 27, 1658-1666.	7.9	20
89	Lesion network mapping for symptom localization: recent developments and future directions. Current Opinion in Neurology, 2022, 35, 453-459.	3.6	15
90	Reply: Capgras syndrome: neuroanatomical assessment of brain MRI findings in an adolescent patient. Brain, 2017, 140, e44-e44.	7.6	13

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91	Regional Distribution of Brain Injury After Cardiac Arrest. Neurology, 2022, 98, .	1.1	13
92	Neural function in DCC mutation carriers with and without mirror movements. Annals of Neurology, 2019, 85, 433-442.	5.3	12
93	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
94	â€œBright tongue signâ€•in ALS. Neurology, 2012, 79, 1520-1520.	1.1	10
95	Network Localization of Unconscious Visual Perception in Blindsight. Annals of Neurology, 2022, 91, 217-224.	5.3	10
96	Associations Between Stroke Localization and Delirium: A Systematic Review and Meta-Analysis. Journal of Stroke and Cerebrovascular Diseases, 2022, 31, 106270.	1.6	10
97	Sex-specific lesion pattern of functional outcomes after stroke. Brain Communications, 2022, 4, fcac020.	3.3	8
98	Lesion network mapping of mania using different normative connectomes. Brain Structure and Function, 2022, 227, 3121-3127.	2.3	7
99	Antidepressant Effect of Low-Frequency Right-Sided rTMS in Two Patients with Left Frontal Stroke. Brain Stimulation, 2017, 10, 150-151.	1.6	6
100	Circuit-Targeted Neuromodulation for Anhedonia. Current Topics in Behavioral Neurosciences, 2022, , 515-535.	1.7	6
101	Converging on a Neuromodulation Target for Tremor. Annals of Neurology, 2022, 91, 581-584.	5.3	5
102	â€˜Expedited Interhemispheric Inhibitionâ€™: A Simple Method to Collect Additional IHI Data in the Same Amount of Time. Brain Topography, 2021, 34, 1-5.	1.8	3
103	Coordinate Network Mapping: An Emerging Approach for Morphometric Meta-Analysis. American Journal of Psychiatry, 2021, 178, 1080-1081.	7.2	3
104	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
105	Reply: Heterogeneous neuroimaging findings, damage propagation and connectivity: an integrative view. Brain, 2019, 142, e18-e18.	7.6	2
106	Combining invasive and noninvasive brain stimulation. , 2022, , 505-523.		2
107	Reply: Looking beyond indirect lesion network mapping of prosopagnosia: direct measures required. Brain, 2021, 144, e76.	7.6	1
108	Using brain lesions to inform connectomic DBS. , 2022, , 325-337.		1

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109	Lesion Network Mapping Using Resting-State Functional Connectivity MRI. Neuromethods, 2022, , 181-198.	0.3	1
110	Reply. Pain, 2016, 157, 1175-1176.	4.2	0
111	Image Is Everything. Annals of Neurology, 2019, 86, 641-642.	5.3	0
112	Reply: No grey matter alterations in longitudinal data of migraine patients. Brain, 2020, 143, e94-e94.	7.6	0
113	Reply: A lack of consistent brain grey matter alterations in migraine. Brain, 2020, 143, e46-e46.	7.6	0
114	Transcranial Magnetic Stimulation in the Treatment of Neurological Disease. Psychiatric Annals, 2014, 44, 299-304.	0.1	0