

# Michael D Fox

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99 papers	29,064 citations	52 h-index	119 g-index
119 ext. papers	35,257 ext. citations	9.6 avg, IF	7.47 L-index

#	Paper	IF	Citations
99	The human brain is intrinsically organized into dynamic, anticorrelated functional networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 9673-8	11.5	6098
98	Spontaneous fluctuations in brain activity observed with functional magnetic resonance imaging. <i>Nature Reviews Neuroscience</i> , <b>2007</b> , 8, 700-11	13.5	4876
97	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> , <b>2007</b> , 104, 11073-8	11.5	1857
96	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> , <b>2006</b> , 103, 10046-51	11.5	1515
95	Intrinsic functional architecture in the anaesthetized monkey brain. <i>Nature</i> , <b>2007</b> , 447, 83-6	50.4	1462
94	The global signal and observed anticorrelated resting state brain networks. <i>Journal of Neurophysiology</i> , <b>2009</b> , 101, 3270-83	3.2	1439
93	Resting-state connectivity biomarkers define neurophysiological subtypes of depression. <i>Nature Medicine</i> , <b>2017</b> , 23, 28-38	50.5	972
92	Coherent spontaneous activity identifies a hippocampal-parietal memory network. <i>Journal of Neurophysiology</i> , <b>2006</b> , 96, 3517-31	3.2	813
91	Clinical applications of resting state functional connectivity. <i>Frontiers in Systems Neuroscience</i> , <b>2010</b> , 4, 19	3.5	745
90	Individual variability in functional connectivity architecture of the human brain. <i>Neuron</i> , <b>2013</b> , 77, 586-95	13.9	634
89	Intrinsic fluctuations within cortical systems account for intertrial variability in human behavior. <i>Neuron</i> , <b>2007</b> , 56, 171-84	13.9	625
88	Efficacy of transcranial magnetic stimulation targets for depression is related to intrinsic functional connectivity with the subgenual cingulate. <i>Biological Psychiatry</i> , <b>2012</b> , 72, 595-603	7.9	546
87	Coherent spontaneous activity accounts for trial-to-trial variability in human evoked brain responses. <i>Nature Neuroscience</i> , <b>2006</b> , 9, 23-5	25.5	529
86	Towards a consensus regarding global signal regression for resting state functional connectivity MRI. <i>NeuroImage</i> , <b>2017</b> , 154, 169-173	7.9	506
85	A method for using blocked and event-related fMRI data to study "resting state" functional connectivity. <i>NeuroImage</i> , <b>2007</b> , 35, 396-405	7.9	434
84	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> , <b>2014</b> , 111, E4367-75	11.5	348
83	Intrinsic functional relations between human cerebral cortex and thalamus. <i>Journal of Neurophysiology</i> , <b>2008</b> , 100, 1740-8	3.2	348

82	Connectivity Predicts deep brain stimulation outcome in Parkinson disease. <i>Annals of Neurology</i> , <b>2017</b> , 82, 67-78	9.4	314
81	Parcellating cortical functional networks in individuals. <i>Nature Neuroscience</i> , <b>2015</b> , 18, 1853-60	25.5	278
80	Noninvasive functional and structural connectivity mapping of the human thalamocortical system. <i>Cerebral Cortex</i> , <b>2010</b> , 20, 1187-94	5.1	275
79	Measuring and manipulating brain connectivity with resting state functional connectivity magnetic resonance imaging (fMRI) and transcranial magnetic stimulation (TMS). <i>NeuroImage</i> , <b>2012</b> , 62, 2232-43	7.9	222
78	Neurobiological basis of head motion in brain imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 6058-62	11.5	221
77	Network localization of neurological symptoms from focal brain lesions. <i>Brain</i> , <b>2015</b> , 138, 3061-75	11.2	211
76	Optimization of multifocal transcranial current stimulation for weighted cortical pattern targeting from realistic modeling of electric fields. <i>NeuroImage</i> , <b>2014</b> , 89, 216-25	7.9	207
75	Mapping Symptoms to Brain Networks with the Human Connectome. <i>New England Journal of Medicine</i> , <b>2018</b> , 379, 2237-2245	59.2	205
74	Prospective Validation That Subgenual Connectivity Predicts Antidepressant Efficacy of Transcranial Magnetic Stimulation Sites. <i>Biological Psychiatry</i> , <b>2018</b> , 84, 28-37	7.9	182
73	Identification of reproducible individualized targets for treatment of depression with TMS based on intrinsic connectivity. <i>NeuroImage</i> , <b>2013</b> , 66, 151-60	7.9	178
72	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> , <b>2021</b> , 132, 269-306	4.3	130
71	Resting-state spontaneous fluctuations in brain activity: a new paradigm for presurgical planning using fMRI. <i>Academic Radiology</i> , <b>2009</b> , 16, 578-83	4.3	122
70	Finding the imposter: brain connectivity of lesions causing delusional misidentifications. <i>Brain</i> , <b>2017</b> , 140, 497-507	11.2	118
69	A human brain network derived from coma-causing brainstem lesions. <i>Neurology</i> , <b>2016</b> , 87, 2427-2434	6.5	118
68	Preoperative sensorimotor mapping in brain tumor patients using spontaneous fluctuations in neuronal activity imaged with functional magnetic resonance imaging: initial experience. <i>Operative Neurosurgery</i> , <b>2009</b> , 65, 226-36	1.6	116
67	Exploration and modulation of brain network interactions with noninvasive brain stimulation in combination with neuroimaging. <i>European Journal of Neuroscience</i> , <b>2012</b> , 35, 805-25	3.5	110
66	Concordance Between BeamF3 and MRI-neuronavigated Target Sites for Repetitive Transcranial Magnetic Stimulation of the Left Dorsolateral Prefrontal Cortex. <i>Brain Stimulation</i> , <b>2015</b> , 8, 965-73	5.1	103
65	Transcranial magnetic stimulation of the brain: guidelines for pain treatment research. <i>Pain</i> , <b>2015</b> , 156, 1601-1614	8	95

64	Lesion network localization of criminal behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 601-606	11.5	94
63	Lesions causing freezing of gait localize to a cerebellar functional network. <i>Annals of Neurology</i> , <b>2017</b> , 81, 129-141	9.4	92
62	Transient BOLD responses at block transitions. <i>NeuroImage</i> , <b>2005</b> , 28, 956-66	7.9	91
61	Multifocal tDCS targeting the resting state motor network increases cortical excitability beyond traditional tDCS targeting unilateral motor cortex. <i>NeuroImage</i> , <b>2017</b> , 157, 34-44	7.9	87
60	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. <i>Parkinsonism and Related Disorders</i> , <b>2017</b> , 41, 3-13	3.6	85
59	Probabilistic conversion of neurosurgical DBS electrode coordinates into MNI space. <i>NeuroImage</i> , <b>2017</b> , 150, 395-404	7.9	79
58	Multifocal repetitive TMS for motor and mood symptoms of Parkinson disease: A randomized trial. <i>Neurology</i> , <b>2016</b> , 87, 1907-1915	6.5	76
57	Network localization of cervical dystonia based on causal brain lesions. <i>Brain</i> , <b>2019</b> , 142, 1660-1674	11.2	73
56	Network localization of hemichorea-hemiballismus. <i>Neurology</i> , <b>2016</b> , 86, 2187-95	6.5	73
55	A Human Depression Circuit Derived From Focal Brain Lesions. <i>Biological Psychiatry</i> , <b>2019</b> , 86, 749-758	7.9	70
54	Distinct Symptom-Specific Treatment Targets for Circuit-Based Neuromodulation. <i>American Journal of Psychiatry</i> , <b>2020</b> , 177, 435-446	11.9	69
53	Localizing parkinsonism based on focal brain lesions. <i>Brain</i> , <b>2018</b> , 141, 2445-2456	11.2	68
52	An integrated framework for targeting functional networks via transcranial magnetic stimulation. <i>NeuroImage</i> , <b>2016</b> , 127, 86-96	7.9	60
51	Lesion network localization of free will. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 10792-10797	11.5	59
50	A human memory circuit derived from brain lesions causing amnesia. <i>Nature Communications</i> , <b>2019</b> , 10, 3497	17.4	56
49	Brain Stimulation for Torsion Dystonia. <i>JAMA Neurology</i> , <b>2015</b> , 72, 713-9	17.2	53
48	Opportunities of connectomic neuromodulation. <i>NeuroImage</i> , <b>2020</b> , 221, 117180	7.9	49
47	Reliability correction for functional connectivity: Theory and implementation. <i>Human Brain Mapping</i> , <b>2015</b> , 36, 4664-80	5.9	48

46	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> , <b>2020</b> , 117, 8115-8125	11.5	46
45	Network localization of heterogeneous neuroimaging findings. <i>Brain</i> , <b>2019</b> , 142, 70-79	11.2	45
44	Freezing of gait: understanding the complexity of an enigmatic phenomenon. <i>Brain</i> , <b>2020</b> , 143, 14-30	11.2	44
43	Construction and modeling of a reconfigurable MRI coil for lowering SAR in patients with deep brain stimulation implants. <i>NeuroImage</i> , <b>2017</b> , 147, 577-588	7.9	40
42	The BOLD onset transient: identification of novel functional differences in schizophrenia. <i>NeuroImage</i> , <b>2005</b> , 25, 771-82	7.9	38
41	Looking beyond the face area: lesion network mapping of prosopagnosia. <i>Brain</i> , <b>2019</b> , 142, 3975-3990	11.2	36
40	Rostral anterior cingulate cortex is a structural correlate of repetitive TMS treatment response in depression. <i>Brain Stimulation</i> , <b>2018</b> , 11, 575-581	5.1	34
39	Using Brain Imaging to Improve Spatial Targeting of Transcranial Magnetic Stimulation for Depression. <i>Biological Psychiatry</i> , <b>2021</b> , 90, 689-700	7.9	33
38	Identifying therapeutic targets from spontaneous beneficial brain lesions. <i>Annals of Neurology</i> , <b>2018</b> , 84, 153-157	9.4	33
37	Lesions causing hallucinations localize to one common brain network. <i>Molecular Psychiatry</i> , <b>2021</b> , 26, 1299-1309	15.1	28
36	Mapping migraine to a common brain network. <i>Brain</i> , <b>2020</b> , 143, 541-553	11.2	27
35	Neuroimaging in Parkinson's disease dementia: connecting the dots. <i>Brain Communications</i> , <b>2019</b> , 1, fcz006	10.6	26
34	Mapping holmes tremor circuit using the human brain connectome. <i>Annals of Neurology</i> , <b>2019</b> , 86, 812-820	9.4	26
33	Arthritis in mice due to infection with <i>Mycoplasma pulmonis</i> . I. Clinical and microbiologic features. <i>Journal of Infectious Diseases</i> , <b>1973</b> , 128, 533-40	7	25
32	Combining task-evoked and spontaneous activity to improve pre-operative brain mapping with fMRI. <i>NeuroImage</i> , <b>2016</b> , 124, 714-723	7.9	21
31	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> , <b>2018</b> , 7, 2164956118775385	1.9	21
30	Cortical lesions causing loss of consciousness are anticorrelated with the dorsal brainstem. <i>Human Brain Mapping</i> , <b>2020</b> , 41, 1520-1531	5.9	19
29	Reply: The influence of sample size and arbitrary statistical thresholds in lesion-network mapping. <i>Brain</i> , <b>2020</b> , 143, e41	11.2	16

28	Connectivity of sleep- and wake-promoting regions of the human hypothalamus observed during resting wakefulness. <i>Sleep</i> , <b>2018</b> , 41,	1.1	15
27	Mapping mania symptoms based on focal brain damage. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 5209-5222	1.9	13
26	Resting-state functional connectivity of subcortical locomotor centers explains variance in walking capacity. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 4831-4843	5.9	12
25	Brain stimulation and brain lesions converge on common causal circuits in neuropsychiatric disease. <i>Nature Human Behaviour</i> , <b>2021</b> ,	12.8	12
24	Reply: Capgras syndrome: neuroanatomical assessment of brain MRI findings in an adolescent patient. <i>Brain</i> , <b>2017</b> , 140, e44	11.2	10
23	Lesion network mapping predicts post-stroke behavioural deficits and improves localization. <i>Brain</i> , <b>2021</b> , 144, e35	11.2	9
22	Co-activation patterns across multiple tasks reveal robust anti-correlated functional networks. <i>NeuroImage</i> , <b>2021</b> , 227, 117680	7.9	9
21	Tuber Locations Associated with Infantile Spasms Map to a Common Brain Network. <i>Annals of Neurology</i> , <b>2021</b> , 89, 726-739	9.4	8
20	Antidepressant Effect of Low-Frequency Right-Sided rTMS in Two Patients with Left Frontal Stroke. <i>Brain Stimulation</i> , <b>2017</b> , 10, 150-151	5.1	6
19	"Bright tongue sign" in ALS. <i>Neurology</i> , <b>2012</b> , 79, 1520	6.5	6
18	Neural function in DCC mutation carriers with and without mirror movements. <i>Annals of Neurology</i> , <b>2019</b> , 85, 433-442	9.4	5
17	Identification of Personalized Transcranial Magnetic Stimulation Targets Based on Subgenual Cingulate Connectivity: An Independent Replication. <i>Biological Psychiatry</i> , <b>2021</b> , 90, e55-e56	7.9	3
16	Reply: Heterogeneous neuroimaging findings, damage propagation and connectivity: an integrative view. <i>Brain</i> , <b>2019</b> , 142, e18	11.2	2
15	Associations Between Stroke Localization and Delirium: A Systematic Review and Meta-Analysis.. <i>Journal of Stroke and Cerebrovascular Diseases</i> , <b>2021</b> , 31, 106270	2.8	2
14	A Neural Circuit for Spirituality and Religiosity Derived From Patients With Brain Lesions. <i>Biological Psychiatry</i> , <b>2021</b> ,	7.9	2
13	Network Localization of Unconscious Visual Perception in Blindsight.. <i>Annals of Neurology</i> , <b>2021</b> , 91, 217	9.4	1
12	Clinical applications of magnetic resonance imaging based functional and structural connectivity. <i>NeuroImage</i> , <b>2021</b> , 244, 118649	7.9	1
11	Expedited Interhemispheric Inhibition: A Simple Method to Collect Additional IHI Data in the Same Amount of Time. <i>Brain Topography</i> , <b>2021</b> , 34, 1-5	4.3	1

10	Combining invasive and noninvasive brain stimulation <b>2022</b> , 505-523		1
9	Sex-specific lesion pattern of functional outcomes after stroke.. <i>Brain Communications</i> , <b>2022</b> , 4, fcac020	4.5	0
8	Toward personalized medicine in connectomic deep brain stimulation.. <i>Progress in Neurobiology</i> , <b>2021</b> , 210, 102211	10.9	0
7	Reply: Looking beyond indirect lesion network mapping of prosopagnosia: direct measures required. <i>Brain</i> , <b>2021</b> , 144, e76	11.2	0
6	Reply: A lack of consistent brain grey matter alterations in migraine. <i>Brain</i> , <b>2020</b> , 143, e46	11.2	
5	Transcranial Magnetic Stimulation in the Treatment of Neurological Disease. <i>Psychiatric Annals</i> , <b>2014</b> , 44, 299-304	0.5	
4	Reply: No grey matter alterations in longitudinal data of migraine patients. <i>Brain</i> , <b>2020</b> , 143, e94	11.2	
3	Reply. <i>Pain</i> , <b>2016</b> , 157, 1175-1176	8	
2	Using brain lesions to inform connectomic DBS <b>2022</b> , 325-337		
1	Lesion Network Mapping Using Resting-State Functional Connectivity MRI. <i>Neuromethods</i> , <b>2022</b> , 181-198	0.4	