James M Shine

List of Publications by Year
in descending order

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142 papers	8,832 citations	38720 50 h-index	60583 81 g-index
178 all docs	178 docs citations	178 times ranked	8217 citing authors

#	Article	IF	Citations
1	The Dynamics of Functional Brain Networks: Integrated Network States during Cognitive Task Performance. Neuron, 2016, 92, 544-554.	3.8	656
2	Questions and controversies in the study of time-varying functional connectivity in resting fMRI. Network Neuroscience, 2020, 4, 30-69.	1.4	364
3	Long-term neural and physiological phenotyping of a single human. Nature Communications, 2015, 6, 8885.	5.8	353
4	Human cognition involves the dynamic integration of neural activity and neuromodulatory systems. Nature Neuroscience, 2019, 22, 289-296.	7.1	341
5	Freezing of gait in Parkinsonâ€™s disease is associated with functional decoupling between the cognitive control network and the basal ganglia. Brain, 2013, 136, 3671-3681.	3.7	222
6	Exploring the cortical and subcortical functional magnetic resonance imaging changes associated with freezing in Parkinson's disease. Brain, 2013, 136, 1204-1215.	3.7	195
7	Temporal metastates are associated with differential patterns of time-resolved connectivity, network topology, and attention. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9888-9891.	3.3	181
8	Principles of dynamic network reconfiguration across diverse brain states. NeuroImage, 2018, 180, 396-405.	2.1	181
9	The specific contributions of setâ€shifting to freezing of gait in Parkinson's disease. Movement Disorders, 2010, 25, 1000-1004.	2.2	178
10	Neuromodulatory Influences on Integration and Segregation in the Brain. Trends in Cognitive Sciences, 2019, 23, 572-583.	4.0	167
11	Visual misperceptions and hallucinations in Parkinson's disease: Dysfunction of attentional control networks?. Movement Disorders, 2011, 26, 2154-2159.	2.2	164
12	Estimation of dynamic functional connectivity using Multiplication of Temporal Derivatives. NeuroImage, 2015, 122, 399-407.	2.1	160
13	Autonomous identification of freezing of gait in Parkinson's disease from lower-body segmental accelerometry. Journal of NeuroEngineering and Rehabilitation, 2013, 10, 19.	2.4	159
14	Tricks of the mind: Visual hallucinations as disorders of attention. Progress in Neurobiology, 2014, 116, 58-65.	2.8	156
15	Subcortical contributions to large-scale network communication. Neuroscience and Biobehavioral Reviews, 2016, 71, 313-322.	2.9	129
16	The modulation of neural gain facilitates a transition between functional segregation and integration in the brain. ELife, 2018, 7, .	2.8	128
17	Predictions penetrate perception: Converging insights from brain, behaviour and disorder. Consciousness and Cognition, 2017, 47, 63-74.	0.8	126
18	The Next Step. Neuroscientist, 2016, 22, 72-82.	2.6	118

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19	The functional network signature of heterogeneity in freezing of gait. Brain, 2018, 141, 1145-1160.	3.7	116
20	The role of dysfunctional attentional control networks in visual misperceptions in Parkinson's disease. Human Brain Mapping, 2014, 35, 2206-2219.	1.9	111
21	Computational models link cellular mechanisms of neuromodulation to large-scale neural dynamics. Nature Neuroscience, 2021, 24, 765-776.	7.1	109
22	Auditory Hallucinations and the Brainâ€™s Resting-State Networks: Findings and Methodological Observations. Schizophrenia Bulletin, 2016, 42, 1110-1123.	2.3	107
23	The major impact of freezing of gait on quality of life in Parkinsonâ€™s disease. Journal of Neurology, 2015, 262, 108-115.	1.8	105
24	Cerebellar atrophy in Parkinsonâ€™s disease and its implication for network connectivity. Brain, 2016, 139, 845-855.	3.7	103
25	Intracranial Electrophysiology Reveals Reproducible Intrinsic Functional Connectivity within Human Brain Networks. Journal of Neuroscience, 2018, 38, 4230-4242.	1.7	98
26	Differential Neural Activation Patterns in Patients with Parkinson's Disease and Freezing of Gait in Response to Concurrent Cognitive and Motor Load. PLoS ONE, 2013, 8, e52602.	1.1	98
27	Assessing the utility of Freezing of Gait Questionnaires in Parkinsonâ€™s Disease. Parkinsonism and Related Disorders, 2012, 18, 25-29.	1.1	95
28	Abnormal patterns of theta frequency oscillations during the temporal evolution of freezing of gait in Parkinsonâ€™s disease. Clinical Neurophysiology, 2014, 125, 569-576.	0.7	95
29	A comparison of clinical and objective measures of freezing of gait in Parkinson's disease. Parkinsonism and Related Disorders, 2012, 18, 572-577.	1.1	94
30	The thalamus integrates the macrosystems of the brain to facilitate complex, adaptive brain network dynamics. Progress in Neurobiology, 2021, 199, 101951.	2.8	93
31	Dopamine depletion impairs gait automaticity by altering cortico-striatal and cerebellar processing in Parkinson's disease. NeuroImage, 2017, 152, 207-220.	2.1	91
32	Dysfunctional Limbic Circuitry Underlying Freezing of Gait in Parkinsonâ€™s Disease. Neuroscience, 2018, 374, 119-132.	1.1	91
33	Freezing beyond gait in Parkinson's disease: A review of current neurobehavioral evidence. Neuroscience and Biobehavioral Reviews, 2014, 43, 213-227.	2.9	88
34	Analysis and Prediction of the Freezing of Gait Using EEG Brain Dynamics. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2015, 23, 887-896.	2.7	85
35	The role of frontostriatal impairment in freezing of gait in Parkinson's disease. Frontiers in Systems Neuroscience, 2013, 7, 61.	1.2	77
36	Abnormal connectivity between the default mode and the visual system underlies the manifestation of visual hallucinations in Parkinsonâ€™s disease: a task-based fMRI study. Npj Parkinson's Disease, 2015, 1, 15003.	2.5	75

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37	The pathophysiological mechanisms underlying freezing of gait in Parkinsonâ€™s Disease. Journal of Clinical Neuroscience, 2011, 18, 1154-1157.	0.8	74
38	Evidence for subtypes of freezing of gait in Parkinson's disease. Movement Disorders, 2018, 33, 1174-1178.	2.2	73
39	Imagine that: elevated sensory strength of mental imagery in individuals with Parkinson's disease and visual hallucinations. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142047.	1.2	71
40	Dopaminergic basis for impairments in functional connectivity across subdivisions of the striatum in Parkinson's disease. Human Brain Mapping, 2015, 36, 1278-1291.	1.9	71
41	Visual hallucinations in Parkinson's disease: Theoretical models. Movement Disorders, 2014, 29, 1591-1598.	2.2	70
42	Freezing of gait: Promising avenues for future treatment. Parkinsonism and Related Disorders, 2018, 52, 7-16.	1.1	70
43	Hippocampal atrophy and intrinsic brain network dysfunction relate to alterations in mind wandering in neurodegeneration. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3316-3321.	3.3	69
44	The ascending arousal system shapes neural dynamics to mediate awareness of cognitive states. Nature Communications, 2021, 12, 6016.	5.8	68
45	The Low-Dimensional Neural Architecture of Cognitive Complexity Is Related to Activity in Medial Thalamic Nuclei. Neuron, 2019, 104, 849-855.e3.	3.8	67
46	Cognitive training for freezing of gait in Parkinsonâ€™s disease: a randomized controlled trial. Npj Parkinson's Disease, 2018, 4, 15.	2.5	66
47	Shaped by our thoughts â€“ A new task to assess spontaneous cognition and its associated neural correlates in the default network. Brain and Cognition, 2015, 93, 1-10.	0.8	64
48	Fair play: social norm compliance failures in behavioural variant frontotemporal dementia. Brain, 2016, 139, 204-216.	3.7	64
49	Deficits in episodic memory retrieval reveal impaired default mode network connectivity in amnestic mild cognitive impairment. NeuroImage: Clinical, 2014, 4, 473-480.	1.4	61
50	Catecholaminergic manipulation alters dynamic network topology across cognitive states. Network Neuroscience, 2018, 2, 381-396.	1.4	61
51	The detection of Freezing of Gait in Parkinson's disease patients using EEG signals based on Wavelet decomposition. , 2012, 2012, 69-72.		59
52	Attentional set-shifting deficits correlate with the severity of freezing of gait in Parkinson's disease. Parkinsonism and Related Disorders, 2013, 19, 388-390.	1.1	58
53	Core and matrix thalamic sub-populations relate to spatio-temporal cortical connectivity gradients. NeuroImage, 2020, 222, 117224.	2.1	58
54	Transitions in information processing dynamics at the whole-brain network level are driven by alterations in neural gain. PLoS Computational Biology, 2019, 15, e1006957.	1.5	56

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55	Modeling freezing of gait in Parkinson's disease with a virtual reality paradigm. Gait and Posture, 2013, 38, 104-108.	0.6	55
56	Cognitive fluctuations in Lewy body dementia: towards a pathophysiological framework. Brain, 2020, 143, 31-46.	3.7	53
57	Using virtual reality to explore the role of conflict resolution and environmental salience in Freezing of Gait in Parkinson's disease. Parkinsonism and Related Disorders, 2013, 19, 937-942.	1.1	52
58	Brain activation underlying turning in Parkinsonâ€™s disease patients with and without freezing of gait: a virtual reality fMRI study. Npj Parkinson's Disease, 2015, 1, 15020.	2.5	51
59	Visual Hallucinations Are Characterized by Impaired Sensory Evidence Accumulation: Insights From Hierarchical Drift Diffusion Modeling in Parkinsonâ€™s Disease. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2017, 2, 680-688.	1.1	51
60	Dopamine depletion alters macroscopic network dynamics in Parkinsonâ€™s disease. Brain, 2019, 142, 1024-1034.	3.7	50
61	Neuropsychological functioning in Parkinson's disease: Differential relationships with selfâ€reported sleepâ€wake disturbances. Movement Disorders, 2011, 26, 1537-1541.	2.2	47
62	Anterior cingulate integrity: Executive and neuropsychiatric features in Parkinson's disease. Movement Disorders, 2012, 27, 1262-1267.	2.2	45
63	Investigating visual misperceptions in Parkinson's disease: A novel behavioral paradigm. Movement Disorders, 2012, 27, 500-505.	2.2	41
64	Freezing of gait in Parkinson's disease: Current treatments and the potential role for cognitive training. Restorative Neurology and Neuroscience, 2014, 32, 411-422.	0.4	41
65	Alterations in white matter network topology contribute to freezing of gait in Parkinsonâ€™s disease. Journal of Neurology, 2018, 265, 1353-1364.	1.8	37
66	Hitting the brakes: pathological subthalamic nucleus activity in Parkinsonâ€™s disease gait freezing. Brain, 2019, 142, 3906-3916.	3.7	37
67	Identifying the neural correlates of doorway freezing in Parkinson's disease. Human Brain Mapping, 2019, 40, 2055-2064.	1.9	37
68	Topological Properties of Neuromorphic Nanowire Networks. Frontiers in Neuroscience, 2020, 14, 184.	1.4	37
69	Antisaccade errors reveal cognitive control deficits in Parkinsonâ€™s disease with freezing of gait. Journal of Neurology, 2015, 262, 2745-2754.	1.8	34
70	Utilising functional MRI (fMRI) to explore the freezing phenomenon in Parkinsonâ€™s disease. Journal of Clinical Neuroscience, 2011, 18, 807-810.	0.8	33
71	Neuropsychiatric symptoms in Parkinson's disease: Fronto-striatal atrophy contributions. Parkinsonism and Related Disorders, 2014, 20, 867-872.	1.1	32
72	Diffuse neural coupling mediates complex network dynamics through the formation of quasi-critical brain states. Nature Communications, 2020, 11, 6337.	5.8	32

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73	Mind-wandering in Parkinson's disease hallucinations reflects primary visual and default network coupling. Cortex, 2020, 125, 233-245.	1.1	32
74	Variability of Stepping during a Virtual Reality Paradigm in Parkinsonâ€™s Disease Patients with and without Freezing of Gait. PLoS ONE, 2013, 8, e66718.	1.1	32
75	Clinical assessment of freezing of gait in Parkinson's disease from computer-generated animation. Gait and Posture, 2013, 38, 326-329.	0.6	31
76	Early phenotypic differences between Parkinson's disease patients with and without freezing of gait. Parkinsonism and Related Disorders, 2014, 20, 604-607.	1.1	31
77	Distinct Patterns of Temporal and Directional Connectivity among Intrinsic Networks in the Human Brain. Journal of Neuroscience, 2017, 37, 9667-9674.	1.7	31
78	Impaired cognitive control in Parkinsonâ€™s disease patients with freezing of gait in response to cognitive load. Journal of Neural Transmission, 2015, 122, 653-660.	1.4	29
79	Validation of the Psychosis and Hallucinations Questionnaire in Nonâ€demented Patients with Parkinson's Disease. Movement Disorders Clinical Practice, 2015, 2, 175-181.	0.8	28
80	How well do caregivers detect mild cognitive change in Parkinson's disease?. Movement Disorders, 2011, 26, 161-164.	2.2	27
81	Investigating motor initiation and inhibition deficits in patients with Parkinsonâ€™s disease and freezing of gait using a virtual reality paradigm. Neuroscience, 2016, 337, 153-162.	1.1	27
82	Sleep disturbance in mild cognitive impairment is associated with alterations in the brainâ€™s default mode network.. Behavioral Neuroscience, 2016, 130, 305-315.	0.6	27
83	Reducing the influence of intramodular connectivity in participation coefficient. Network Neuroscience, 2020, 4, 416-431.	1.4	27
84	Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. Neuron, 2021, 109, 1769-1775.	3.8	27
85	Using EEG spatial correlation, cross frequency energy, and wavelet coefficients for the prediction of Freezing of Gait in Parkinson's Disease patients. , 2013, 2013, 4263-6.		25
86	Freezing of Gait and its Associations in the Early and Advanced Clinical Motor Stages of Parkinsonâ€™s Disease: A Cross-Sectional Study. Journal of Parkinson's Disease, 2015, 5, 881-891.	1.5	24
87	The differential yet concurrent contributions of motor, cognitive and affective disturbance to freezing of gait in Parkinson's disease. Clinical Neurology and Neurosurgery, 2013, 115, 542-545.	0.6	23
88	Dysfunction in attentional processing in patients with Parkinsonâ€™s disease and visual hallucinations. Journal of Neural Transmission, 2016, 123, 503-507.	1.4	23
89	Functional Connectivity in the Default Mode Network is Reduced in Association with Nocturnal Awakening in Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2017, 56, 1373-1384.	1.2	23
90	Comparison of Locus Coeruleus Pathology with Nigral and Forebrain Pathology in Parkinson's Disease. Movement Disorders, 2021, 36, 2085-2093.	2.2	23

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91	Modularity and multitasking in neuro-memristive reservoir networks. Neuromorphic Computing and Engineering, 2021, 1, 014003.	2.8	23
92	Synchrony in capture dates suggests cryptic social organization in sea snakes (Emydocephalus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	0.7	22
93	An EEG study of turning freeze in Parkinson's disease patients: The alteration of brain dynamic on the motor and visual cortex. , 2015, 2015, 6618-21.		22
94	Estimating Large-Scale Network Convergence in the Human Functional Connectome. Brain Connectivity, 2015, 5, 565-574.	0.8	22
95	Delegation to automaticity: the driving force for cognitive evolution?. Frontiers in Neuroscience, 2014, 8, 90.	1.4	21
96	Current sleep disturbance in older people with a lifetime history of depression is associated with increased connectivity in the Default Mode Network. Journal of Affective Disorders, 2018, 229, 85-94.	2.0	21
97	Neuromodulation of the mind-wandering brain state: the interaction between neuromodulatory tone, sharp wave-ripples and spontaneous thought. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20190699.	1.8	21
98	Neuropsychological evidence of multi-domain network hubs in the human thalamus. ELife, 2021, 10, .	2.8	21
99	Virtual reality walking and dopamine: Opening new doorways to understanding freezing of gait in Parkinson's disease. Journal of the Neurological Sciences, 2014, 344, 182-185.	0.3	20
100	The relationships between mild cognitive impairment and phenotype in Parkinsonâ€™s disease. Npj Parkinson's Disease, 2015, 1, 15015.	2.5	20
101	Changes in structural network topology correlate with severity of hallucinatory behavior in Parkinsonâ€™s disease. Network Neuroscience, 2019, 3, 521-538.	1.4	20
102	The role of the locus coeruleus in shaping adaptive cortical melodies. Trends in Cognitive Sciences, 2022, 26, 527-538.	4.0	19
103	Frontoparietal Activity Interacts With Task-Evoked Changes in Functional Connectivity. Cerebral Cortex, 2019, 29, 802-813.	1.6	17
104	Temporal Characteristics of High-Frequency Lower-Limb Oscillation during Freezing of Gait in Parkinsonâ€™s Disease. Parkinson's Disease, 2014, 2014, 1-7.	0.6	15
105	Assessing the significance of directed and multivariate measures of linear dependence between time series. Physical Review Research, 2021, 3, .	1.3	15
106	The ascending arousal system promotes optimal performance through mesoscale network integration in a visuospatial attentional task. Network Neuroscience, 2021, 5, 890-910.	1.4	15
107	Itâ€™s about time: Linking dynamical systems with human neuroimaging to understand the brain. Network Neuroscience, 2022, 6, 960-979.	1.4	15
108	A novel bedside task to tap inhibitory dysfunction and fronto-striatal atrophy in Parkinson's disease. Parkinsonism and Related Disorders, 2013, 19, 827-830.	1.1	14

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109	Informantâ€•and <scp>S</scp>elfâ€<scp>A</scp>ppraisals on the <scp>P</scp>sychosis and <scp>H</scp>allucinations <scp>Q</scp>uestionnaire (<scp>P</scp>sycHâ€<scp>Q</scp>) <scp>E</scp>nhances <scp>D</scp>etection of <scp>V</scp>isual <scp>H</scp>allucinations in <scp>P</scp>arkinson's <scp>D</scp>isease. Movement Disorders Clinical Practice, 2018, 5, 607-613.	0.8	13
110	A data resource from concurrent intracranial stimulation and functional MRI of the human brain. Scientific Data, 2020, 7, 258.	2.4	13
111	Fronto-striatal gray matter contributions to discrimination learning in Parkinson's disease. Frontiers in Computational Neuroscience, 2013, 7, 180.	1.2	12
112	Neural correlates of emotional valence processing in Parkinsonâ€™s disease: dysfunction in the subcortex. Brain Imaging and Behavior, 2019, 13, 189-199.	1.1	12
113	The Neural Signature of Impaired <scp>Dualâ€Tasking</scp> in Idiopathic Rapid Eye Movement Sleep Behavior Disorder Patients. Movement Disorders, 2020, 35, 1596-1606.	2.2	12
114	Structural connections between the noradrenergic and cholinergic system shape the dynamics of functional brain networks. NeuroImage, 2022, 260, 119455.	2.1	12
115	The Human Intraparietal Sulcus Modulates Task-Evoked Functional Connectivity. Cerebral Cortex, 2020, 30, 875-887.	1.6	10
116	Nocturnal Hypoxemia Is Associated with Altered Parahippocampal Functional Brain Connectivity in Older Adults at Risk for Dementia. Journal of Alzheimer's Disease, 2020, 73, 571-584.	1.2	10
117	The Contribution of Noradrenergic Activity to Anxietyâ€Induced Freezing of Gait. Movement Disorders, 2022, 37, 1432-1443.	2.2	10
118	What matters to people with Parkinsonâ€™s disease living in Australia?. Journal of Clinical Neuroscience, 2015, 22, 338-341.	0.8	9
119	Convergent evidence for top-down effects from the â€œpredictive brainâ€. Behavioral and Brain Sciences, 2016, 39, e254.	0.4	9
120	Timeâ€varying nodal measures with temporal community structure: A cautionary note to avoid misinterpretation. Human Brain Mapping, 2020, 41, 2347-2356.	1.9	9
121	Retrospective Neuropsychological Profile of Patients With Parkinson Disease Prior to Developing Visual Hallucinations. Journal of Geriatric Psychiatry and Neurology, 2017, 30, 90-95.	1.2	8
122	The interactions between non-motor symptoms of Parkinsonâ€™s disease. Expert Review of Neurotherapeutics, 2018, 18, 457-460.	1.4	8
123	Focal neural perturbations reshape low-dimensional trajectories of brain activity supporting cognitive performance. Nature Communications, 2022, 13, 4.	5.8	7
124	Dopamine and Functional Connectivity in Patients With Parkinson's Disease and Visual Hallucinations. Movement Disorders, 2020, 35, 704-705.	2.2	6
125	Prediction of freezing of gait using analysis of brain effective connectivity. , 2014, 2014, 4119-22.		4
126	Staircase climbing is not solely a visual compensation strategy to alleviate freezing of gait in Parkinsonâ€™s disease. Journal of Neurology, 2017, 264, 174-176.	1.8	4

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127	Brain state kinematics and the trajectory of task performance improvement. NeuroImage, 2021, 243, 118510.	2.1	4
128	Dynamic network impairments underlie cognitive fluctuations in Lewy body dementia. Npj Parkinson's Disease, 2022, 8, 16.	2.5	4
129	Nonlinear reconfiguration of network edges, topology and information content during an artificial learning task. Brain Informatics, 2021, 8, 26.	1.8	4
130	Computational specificity in the human brain. Behavioral and Brain Sciences, 2016, 39, e131.	0.4	3
131	Narrow doorways alter brain connectivity and step patterns in isolated REM sleep behaviour disorder. NeuroImage: Clinical, 2022, 33, 102958.	1.4	3
132	Clarifying the Role of Neural Networks in Complex Hallucinatory Phenomena. Journal of Neuroscience, 2014, 34, 11865-11867.	1.7	2
133	The â€˜Cognitionsâ€™ index of the Parkinson's Disease Questionnaire-39 relates to sleep disturbance and hallucinations. Parkinsonism and Related Disorders, 2015, 21, 349-350.	1.1	2
134	Does dominant pedunculopontine nucleus exist? Probably not. Brain, 2015, 138, e346-e346.	3.7	2
135	Using Virtual Reality to Advance the Understanding and Rehabilitation of Gait Impairments in Parkinsonâ€™s Disease. , 2017, , 397-416.		2
136	025â€…The neural correlates of doorway freezing in parkinsonâ€™s disease. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, A10.3-A11.	0.9	2
137	Anteriorâ€posterior electrophysiological activity characterizes Parkinsonian visual misperceptions. Neurology and Clinical Neuroscience, 2021, 9, 312-318.	0.2	2
138	Shaking with fear: the role of noradrenaline in modulating resting tremor. Brain, 2020, 143, 1288-1291.	3.7	2
139	Striatal dysfunction during dual-task performance in Parkinsonâ€™s disease. Brain, 2017, 140, 1174-1177.	3.7	1
140	Navigating a Complex Landscape: Using Transcriptomics to Parcellate the Human Cortex. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2022, 7, 3-4.	1.1	1
141	Electrophysiological insights into freezing in Parkinsonâ€™s disease. Clinical Neurophysiology, 2016, 127, 2334-2336.	0.7	0
142	Resting-state functional MRI-based connectivity. , 2022, , 207-222.		0