

Scott T Grafton

List of Publications by Year in Descending Order

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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.

71
papers

8,506
citations

37
h-index

81
g-index

81
ext. papers

9,832
ext. citations

7.4
avg, IF

5.99
L-index

#	Paper	IF	Citations
71	Single-case disconnectome lesion-symptom mapping: Identifying two subtypes of limb apraxia.. <i>Neuropsychologia</i> , 2022 , 108210	3.2	0
70	QSIPrep: an integrative platform for preprocessing and reconstructing diffusion MRI data. <i>Nature Methods</i> , 2021 , 18, 775-778	21.6	26
69	Combining Repetition Suppression and Pattern Analysis Provides New Insights into the Role of M1 and Parietal Areas in Skilled Sequential Actions. <i>Journal of Neuroscience</i> , 2021 , 41, 7649-7661	6.6	0
68	Ventromedial Prefrontal Cortex Activity and Sympathetic Allostasis During Value-Based Ambivalence. <i>Frontiers in Behavioral Neuroscience</i> , 2021 , 15, 615796	3.5	0
67	Crystallinity characterization of white matter in the human brain. <i>New Journal of Physics</i> , 2021 , 23, 073047	4.9	3
66	Subjective value then confidence in human ventromedial prefrontal cortex. <i>PLoS ONE</i> , 2020 , 15, e0225617	3.7	10
65	Representational Neural Mapping of Dexterous Grasping Before Lifting in Humans. <i>Journal of Neuroscience</i> , 2020 , 40, 2708-2716	6.6	3
64	Overt and Covert Object Features Mediate Timing of Patterned Brain Activity during Motor Planning. <i>Cerebral Cortex Communications</i> , 2020 , 1, tgaa080	1.9	
63	Sympathetic involvement in time-constrained sequential foraging. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2020 , 20, 730-745	3.5	1
62	Neural substrates of anticipatory motor adaptation for object lifting. <i>Scientific Reports</i> , 2020 , 10, 10430	4.9	1
61	Finding maximally disconnected subnetworks with shortest path tractography. <i>NeuroImage: Clinical</i> , 2019 , 23, 101903	5.3	7
60	Monitoring of postural sway with a head-mounted wearable device: effects of gender, participant state, and concussion. <i>Medical Devices: Evidence and Research</i> , 2019 , 12, 151-164	1.5	5
59	From ideas to action: The prefrontal-premotor connections that shape motor behavior. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2019 , 163, 237-255	3	7
58	Sensitivity analysis of human brain structural network construction. <i>Network Neuroscience</i> , 2018 , 1, 446-467	3.67	10
57	Neural Representations of Sensorimotor Memory- and Digit Position-Based Load Force Adjustments Before the Onset of Dexterous Object Manipulation. <i>Journal of Neuroscience</i> , 2018 , 38, 4724-4737	6.6	11
56	Spatial coherence of oriented white matter microstructure: Applications to white matter regions associated with genetic similarity. <i>NeuroImage</i> , 2018 , 172, 390-403	7.9	1
55	The Energy Landscape of Neurophysiological Activity Implicit in Brain Network Structure. <i>Scientific Reports</i> , 2018 , 8, 2507	4.9	45

54	Effect of different spatial normalization approaches on tractography and structural brain networks. <i>Network Neuroscience</i> , 2018 , 2, 362-380	5.6	9
53	Quantifying rapid changes in cardiovascular state with a moving ensemble average. <i>Psychophysiology</i> , 2018 , 55, e13018	4.1	12
52	Clustering Brain-Network Time Series by Riemannian Geometry. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2018 , 4, 519-533	2.8	5
51	Beyond modularity: Fine-scale mechanisms and rules for brain network reconfiguration. <i>NeuroImage</i> , 2018 , 166, 385-399	7.9	26
50	Optimal trajectories of brain state transitions. <i>NeuroImage</i> , 2017 , 148, 305-317	7.9	87
49	Emerging Frontiers of Neuroengineering: A Network Science of Brain Connectivity. <i>Annual Review of Biomedical Engineering</i> , 2017 , 19, 327-352	12	32
48	Improving resolution of dynamic communities in human brain networks through targeted node removal. <i>PLoS ONE</i> , 2017 , 12, e0187715	3.7	7
47	Harm to self outweighs benefit to others in moral decision making. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 7963-7968	11.5	17
46	Measuring the representational space of music with fMRI: a case study with Sting. <i>Neurocase</i> , 2016 , 22, 548-557	0.8	4
45	Individual Differences in Dynamic Functional Brain Connectivity across the Human Lifespan. <i>PLoS Computational Biology</i> , 2016 , 12, e1005178	5	31
44	Stimulation-Based Control of Dynamic Brain Networks. <i>PLoS Computational Biology</i> , 2016 , 12, e10050765		146
43	Quantifying Differences and Similarities in Whole-Brain White Matter Architecture Using Local Connectome Fingerprints. <i>PLoS Computational Biology</i> , 2016 , 12, e1005203	5	68
42	Clustering brain-network-connectivity states using kernel partial correlations 2016 ,		1
41	Brain network adaptability across task states. <i>PLoS Computational Biology</i> , 2015 , 11, e1004029	5	88
40	Learning-induced autonomy of sensorimotor systems. <i>Nature Neuroscience</i> , 2015 , 18, 744-51	25.5	355
39	Controllability of structural brain networks. <i>Nature Communications</i> , 2015 , 6, 8414	17.4	365
38	The Relative Influence of Goal and Kinematics on Corticospinal Excitability Depends on the Information Provided to the Observer. <i>Cerebral Cortex</i> , 2015 , 25, 2229-37	5.1	22
37	Direct mapping rather than motor prediction subserves modulation of corticospinal excitability during observation of actions in real time. <i>Journal of Neurophysiology</i> , 2015 , 113, 3700-7	3.2	11

36	The Human Motor System Supports Sequence-Specific Representations over Multiple Training-Dependent Timescales. <i>Cerebral Cortex</i> , 2015 , 25, 4213-25	5.1	49
35	Feature interactions enable decoding of sensorimotor transformations for goal-directed movement. <i>Journal of Neuroscience</i> , 2014 , 34, 6860-73	6.6	34
34	Structurally-constrained relationships between cognitive states in the human brain. <i>PLoS Computational Biology</i> , 2014 , 10, e1003591	5	74
33	Cross-linked structure of network evolution. <i>Chaos</i> , 2014 , 24, 013112	3.3	58
32	Robust detection of dynamic community structure in networks. <i>Chaos</i> , 2013 , 23, 013142	3.3	308
31	Structural foundations of resting-state and task-based functional connectivity in the human brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 6169-74	11.5	366
30	Task-based core-periphery organization of human brain dynamics. <i>PLoS Computational Biology</i> , 2013 , 9, e1003171	5	226
29	Dynamic network centrality summarizes learning in the human brain. <i>Journal of Complex Networks</i> , 2013 , 1, 83-92	1.7	48
28	Individual differences in shifting decision criterion: a recognition memory study. <i>Memory and Cognition</i> , 2012 , 40, 1016-30	2.2	45
27	Conserved and variable architecture of human white matter connectivity. <i>NeuroImage</i> , 2011 , 54, 1262-79	7.9	284
26	Human basal ganglia and the dynamic control of force during on-line corrections. <i>Journal of Neuroscience</i> , 2011 , 31, 1600-5	6.6	29
25	Dynamic reconfiguration of human brain networks during learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 7641-6	11.5	1019
24	Unlocking communication with the nose. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 13979-80	11.5	3
23	Differential recruitment of anterior intraparietal sulcus and superior parietal lobule during visually guided grasping revealed by electrical neuroimaging. <i>Journal of Neuroscience</i> , 2008 , 28, 13615-20	6.6	52
22	Evidence for a distributed hierarchy of action representation in the brain. <i>Human Movement Science</i> , 2007 , 26, 590-616	2.4	367
21	Virtual lesions of the anterior intraparietal area disrupt goal-dependent on-line adjustments of grasp. <i>Nature Neuroscience</i> , 2005 , 8, 505-11	25.5	334
20	From acting on to acting with the functional anatomy of object-oriented action schemata. <i>Progress in Brain Research</i> , 2003 , 142, 127-39	2.9	62
19	Learning, Motor 2003 , 769-770		

18 Chapter 12 Imaging. *Handbook of Clinical Neurophysiology*, **2003**, 163-179

17	Swinging in the brain: shared neural substrates for behaviors related to sequencing and music. <i>Nature Neuroscience</i> , 2003 , 6, 682-7	25.5	217
16	Actions or hand-object interactions? Human inferior frontal cortex and action observation. <i>Neuron</i> , 2003 , 39, 1053-8	13.9	284
15	Motor learning of compatible and incompatible visuomotor maps. <i>Journal of Cognitive Neuroscience</i> , 2001 , 13, 217-31	3.1	43
14	Proprioception does not quickly drift during visual occlusion. <i>Experimental Brain Research</i> , 2000 , 134, 363-77	2.3	79
13	Therapeutics: Surgical 2000 , 613-653		1
12	Neural evidence linking visual object enumeration and attention. <i>Journal of Cognitive Neuroscience</i> , 1999 , 11, 36-51	3.1	144
11	Involvement of visual cortex in tactile discrimination of orientation. <i>Nature</i> , 1999 , 401, 587-90	50.4	420
10	Brain blood flow alterations induced by therapeutic vagus nerve stimulation in partial epilepsy: I. Acute effects at high and low levels of stimulation. <i>Epilepsia</i> , 1998 , 39, 983-90	6.4	229
9	Motor subcircuits mediating the control of movement velocity: a PET study. <i>Journal of Neurophysiology</i> , 1998 , 80, 2162-76	3.2	155
8	Motor task difficulty and brain activity: investigation of goal-directed reciprocal aiming using positron emission tomography. <i>Journal of Neurophysiology</i> , 1997 , 77, 1581-94	3.2	199
7	Localization of grasp representations in humans by positron emission tomography. 2. Observation compared with imagination. <i>Experimental Brain Research</i> , 1996 , 112, 103-11	2.3	773
6	Functional mapping of sequence learning in normal humans. <i>Journal of Cognitive Neuroscience</i> , 1995 , 7, 497-510	3.1	679
5	Pallidotomy increases activity of motor association cortex in Parkinson's disease: a positron emission tomographic study. <i>Annals of Neurology</i> , 1995 , 37, 776-83	9.4	124
4	Network analysis of motor system connectivity in Parkinson's disease: Modulation of thalamocortical interactions after pallidotomy. <i>Human Brain Mapping</i> , 1994 , 2, 45-55	5.9	47
3	Within-arm somatotopy in human motor areas determined by positron emission tomography imaging of cerebral blood flow. <i>Experimental Brain Research</i> , 1993 , 95, 172-6	2.3	167
2	A comparison of neurological, metabolic, structural, and genetic evaluations in persons at risk for Huntington's disease. <i>Annals of Neurology</i> , 1990 , 28, 614-21	9.4	100
1	4-[¹⁸ F]fluoro-L-m-tyrosine: an L-3,4-dihydroxyphenylalanine analog for probing presynaptic dopaminergic function with positron emission tomography. <i>Journal of Neurochemistry</i> , 1989 , 53, 311-4	6	55

