

Scott T Grafton

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9103427/scott-t-grafton-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
70	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
69	Functional mapping of sequence learning in normal humans. <i>Journal of Cognitive Neuroscience</i> , 1995 , 7, 497-510	3.1	679
68	Involvement of visual cortex in tactile discrimination of orientation. <i>Nature</i> , 1999 , 401, 587-90	50.4	420
67	Evidence for a distributed hierarchy of action representation in the brain. <i>Human Movement Science</i> , 2007 , 26, 590-616	2.4	367
66	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
65	Controllability of structural brain networks. <i>Nature Communications</i> , 2015 , 6, 8414	17.4	365
64	Learning-induced autonomy of sensorimotor systems. <i>Nature Neuroscience</i> , 2015 , 18, 744-51	25.5	355
63	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
62	Robust detection of dynamic community structure in networks. <i>Chaos</i> , 2013 , 23, 013142	3.3	308
61	Conserved and variable architecture of human white matter connectivity. <i>NeuroImage</i> , 2011 , 54, 1262-79	9.9	284
60	Actions or hand-object interactions? Human inferior frontal cortex and action observation. <i>Neuron</i> , 2003 , 39, 1053-8	13.9	284
59	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
58	Task-based core-periphery organization of human brain dynamics. <i>PLoS Computational Biology</i> , 2013 , 9, e1003171	5	226
57	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
56	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
55	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

54	Motor subcircuits mediating the control of movement velocity: a PET study. <i>Journal of Neurophysiology</i> , 1998 , 80, 2162-76	3.2	155
53	Stimulation-Based Control of Dynamic Brain Networks. <i>PLoS Computational Biology</i> , 2016 , 12, e10050765		146
52	Neural evidence linking visual object enumeration and attention. <i>Journal of Cognitive Neuroscience</i> , 1999 , 11, 36-51	3.1	144
51	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
50	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
49	Brain network adaptability across task states. <i>PLoS Computational Biology</i> , 2015 , 11, e1004029	5	88
48	Optimal trajectories of brain state transitions. <i>NeuroImage</i> , 2017 , 148, 305-317	7.9	87
47	Proprioception does not quickly drift during visual occlusion. <i>Experimental Brain Research</i> , 2000 , 134, 363-77	2.3	79
46	Structurally-constrained relationships between cognitive states in the human brain. <i>PLoS Computational Biology</i> , 2014 , 10, e1003591	5	74
45	Quantifying Differences and Similarities in Whole-Brain White Matter Architecture Using Local Connectome Fingerprints. <i>PLoS Computational Biology</i> , 2016 , 12, e1005203	5	68
44	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
43	Cross-linked structure of network evolution. <i>Chaos</i> , 2014 , 24, 013112	3.3	58
42	4-[18F]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
41	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
40	The Human Motor System Supports Sequence-Specific Representations over Multiple Training-Dependent Timescales. <i>Cerebral Cortex</i> , 2015 , 25, 4213-25	5.1	49
39	Dynamic network centrality summarizes learning in the human brain. <i>Journal of Complex Networks</i> , 2013 , 1, 83-92	1.7	48
38	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
37	The Energy Landscape of Neurophysiological Activity Implicit in Brain Network Structure. <i>Scientific Reports</i> , 2018 , 8, 2507	4.9	45

36	Individual differences in shifting decision criterion: a recognition memory study. <i>Memory and Cognition</i> , 2012 , 40, 1016-30	2.2	45
35	Motor learning of compatible and incompatible visuomotor maps. <i>Journal of Cognitive Neuroscience</i> , 2001 , 13, 217-31	3.1	43
34	Feature interactions enable decoding of sensorimotor transformations for goal-directed movement. <i>Journal of Neuroscience</i> , 2014 , 34, 6860-73	6.6	34
33	Emerging Frontiers of Neuroengineering: A Network Science of Brain Connectivity. <i>Annual Review of Biomedical Engineering</i> , 2017 , 19, 327-352	12	32
32	Individual Differences in Dynamic Functional Brain Connectivity across the Human Lifespan. <i>PLoS Computational Biology</i> , 2016 , 12, e1005178	5	31
31	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
30	QSIPrep: an integrative platform for preprocessing and reconstructing diffusion MRI data. <i>Nature Methods</i> , 2021 , 18, 775-778	21.6	26
29	Beyond modularity: Fine-scale mechanisms and rules for brain network reconfiguration. <i>NeuroImage</i> , 2018 , 166, 385-399	7.9	26
28	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
27	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
26	Quantifying rapid changes in cardiovascular state with a moving ensemble average. <i>Psychophysiology</i> , 2018 , 55, e13018	4.1	12
25	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
24	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
23	Sensitivity analysis of human brain structural network construction. <i>Network Neuroscience</i> , 2018 , 1, 446-467	4.67	10
22	Subjective value then confidence in human ventromedial prefrontal cortex. <i>PLoS ONE</i> , 2020 , 15, e0225617	3.7	10
21	Effect of different spatial normalization approaches on tractography and structural brain networks. <i>Network Neuroscience</i> , 2018 , 2, 362-380	5.6	9
20	Finding maximally disconnected subnetworks with shortest path tractography. <i>NeuroImage: Clinical</i> , 2019 , 23, 101903	5.3	7
19	Improving resolution of dynamic communities in human brain networks through targeted node removal. <i>PLoS ONE</i> , 2017 , 12, e0187715	3.7	7

18	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
17	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
16	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
15	Measuring the representational space of music with fMRI: a case study with Sting. <i>Neurocase</i> , 2016 , 22, 548-557	0.8	4
14	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
13	Representational Neural Mapping of Dexterous Grasping Before Lifting in Humans. <i>Journal of Neuroscience</i> , 2020 , 40, 2708-2716	6.6	3
12	Crystallinity characterization of white matter in the human brain. <i>New Journal of Physics</i> , 2021 , 23, 0730479	4.9	3
11	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
10	Sympathetic involvement in time-constrained sequential foraging. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2020 , 20, 730-745	3.5	1
9	Therapeutics: Surgical 2000 , 613-653		1
8	Neural substrates of anticipatory motor adaptation for object lifting. <i>Scientific Reports</i> , 2020 , 10, 10430	4.9	1
7	Clustering brain-network-connectivity states using kernel partial correlations 2016 ,		1
6	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
5	Ventromedial Prefrontal Cortex Activity and Sympathetic Allostasis During Value-Based Ambivalence. <i>Frontiers in Behavioral Neuroscience</i> , 2021 , 15, 615796	3.5	0
4	Single-case disconnectome lesion-symptom mapping: Identifying two subtypes of limb apraxia.. <i>Neuropsychologia</i> , 2022 , 108210	3.2	0
3	Learning, Motor 2003 , 769-770		
2	Chapter 12 Imaging. <i>Handbook of Clinical Neurophysiology</i> , 2003 , 163-179		
1	Overt and Covert Object Features Mediate Timing of Patterned Brain Activity during Motor Planning. <i>Cerebral Cortex Communications</i> , 2020 , 1, tgaa080	1.9	

