Daniel A Handwerker

List of Publications by Year
in descending order

41 papers	9,756 citations	236925 25 h-index	289244 40 g-index
49 all docs	49 docs citations	49 times ranked	11720 citing authors

#	Article	IF	Citations
1	Dynamic functional connectivity: Promise, issues, and interpretations. NeuroImage, 2013, 80, 360-378.	4.2	2,358
2	The impact of global signal regression on resting state correlations: Are anti-correlated networks introduced?. NeuroImage, 2009, 44, 893-905.	4.2	2,164
3	The brain imaging data structure, a format for organizing and describing outputs of neuroimaging experiments. Scientific Data, 2016, 3, 160044.	5.3	1,038
4	Variation of BOLD hemodynamic responses across subjects and brain regions and their effects on statistical analyses. NeuroImage, 2004, 21, 1639-1651.	4.2	852
5	Long-term neural and physiological phenotyping of a single human. Nature Communications, 2015, 6, 8885.	12.8	353
6	Periodic changes in fMRI connectivity. NeuroImage, 2012, 63, 1712-1719.	4.2	350
7	Whole-brain, time-locked activation with simple tasks revealed using massive averaging and model-free analysis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5487-5492.	7.1	312
8	Tracking ongoing cognition in individuals using brief, whole-brain functional connectivity patterns. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8762-8767.	7.1	312
9	High-Resolution CBV-fMRI Allows Mapping of Laminar Activity and Connectivity of Cortical Input and Output in Human M1. Neuron, 2017, 96, 1253-1263.e7.	8.1	255
10	Idiosynchrony: From shared responses to individual differences during naturalistic neuroimaging. NeuroImage, 2020, 215, 116828.	4.2	162
11	The continuing challenge of understanding and modeling hemodynamic variation in fMRI. NeuroImage, 2012, 62, 1017-1023.	4.2	159
12	The neural basis of surface dyslexia in semantic dementia. Brain, 2009, 132, 71-86.	7.6	142
13	fMRI in the presence of task-correlated breathing variations. NeuroImage, 2009, 47, 1092-1104.	4.2	136
14	Reducing vascular variability of fMRI data across aging populations using a breathholding task. Human Brain Mapping, 2007, 28, 846-859.	3.6	129
15	Connectivity trajectory across lifespan differentiates the precuneus from the default network. NeuroImage, 2014, 89, 45-56.	4.2	128
16	The spatial structure of resting state connectivity stability on the scale of minutes. Frontiers in Neuroscience, 2014, 8, 138.	2.8	104
17	Techniques for blood volume fMRI with VASO: From low-resolution mapping towards sub-millimeter layer-dependent applications. NeuroImage, 2018, 164, 131-143.	4.2	101
18	Sub-millimeter fMRI reveals multiple topographical digit representations that form action maps in human motor cortex. NeuroImage, 2020, 208, 116463.	4.2	88

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19	A functional connectivity-based neuromarker of sustained attention generalizes to predict recall in a reading task. NeuroImage, 2018, 166, 99-109.	4.2	63
20	Layer-specific activation of sensory input and predictive feedback in the human primary somatosensory cortex. Science Advances, 2019, 5, eaav9053.	10.3	62
21	Evaluation of multi-echo ICA denoising for task based fMRI studies: Block designs, rapid event-related designs, and cardiac-gated fMRI. NeuroImage, 2016, 141, 452-468.	4.2	49
22	Brain Network Informed Subject Community Detection In Early-Onset Schizophrenia. Scientific Reports, 2014, 4, 5549.	3.3	48
23	Imaging the spontaneous flow of thought: Distinct periods of cognition contribute to dynamic functional connectivity during rest. NeuroImage, 2019, 202, 116129.	4.2	47
24	Spatio-temporal information analysis of event-related BOLD responses. NeuroImage, 2007, 34, 1545-1561.	4.2	43
25	TE-dependent analysis of multi-echo fMRI with tedana. Journal of Open Source Software, 2021, 6, 3669.	4.6	39
26	Hemodynamic signals not predicted? Not so: A comment on Sirotin and Das (2009). NeuroImage, 2011, 55, 1409-1412.	4.2	36
27	Task Dependence, Tissue Specificity, and Spatial Distribution of Widespread Activations in Large Single-Subject Functional MRI Datasets at 7T. Cerebral Cortex, 2015, 25, 4667-4677.	2.9	28
28	Efficacy of different dynamic functional connectivity methods to capture cognitively relevant information. NeuroImage, 2019, 188, 502-514.	4.2	27
29	Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. Neuron, 2021, 109, 1769-1775.	8.1	27
30	Theta-burst TMS to the posterior superior temporal sulcus decreases resting-state fMRI connectivity across the face processing network. Network Neuroscience, 2020, 4, 746-760.	2.6	17
31	Effects of Thoracic Pressure Changes on MRI Signals in the Brain. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1024-1032.	4.3	15
32	Time-varying whole-brain functional network connectivity coupled to task engagement. Network Neuroscience, 2019, 3, 49-66.	2.6	15
33	Centering inclusivity in the design of online conferences—An OHBM—Open Science perspective. GigaScience, 2021, 10, .	6.4	14
34	Visual temporal frequency preference shows a distinct cortical architecture using fMRI. NeuroImage, 2019, 197, 13-23.	4.2	12
35	Layer-specific activation in human primary somatosensory cortex during tactile temporal prediction error processing. NeuroImage, 2022, 248, 118867.	4.2	11
36	Different activation signatures in the primary sensorimotor and higher-level regions for haptic three-dimensional curved surface exploration. NeuroImage, 2021, 231, 117754.	4.2	10

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37	Simple explanations before complex theories: Alternative interpretations of Sirotin and Das' observations. NeuroImage, 2011, 55, 1419-1422.	4.2	9
38	Ultra-slow fMRI fluctuations in the fourth ventricle as a marker of drowsiness. NeuroImage, 2022, 259, 119424.	4.2	9
39	Topographical and laminar distribution of audiovisual processing within human planum temporale. Progress in Neurobiology, 2021, 205, 102121.	5.7	7
40	Measuring the Consistency of Global Functional Connectivity Using Kernel Regression Methods. , 2011, , .		6
41	Fast detection and reduction of local transient artifacts in resting-state fMRI. Computers in Biology and Medicine, 2020, 120, 103742.	7.0	5