Catie Chang

List of Publications by Year
in descending order

47	7,937	304602 22	214721 47
papers	citations	h-index	g-index

53	53	53	7398
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dynamic functional connectivity: Promise, issues, and interpretations. NeuroImage, 2013, 80, 360-378.	2.1	2,358
2	Timeâ€“frequency dynamics of resting-state brain connectivity measured with fMRI. NeuroImage, 2010, 50, 81-98.	2.1	1,645
3	Influence of heart rate on the BOLD signal: The cardiac response function. NeuroImage, 2009, 44, 857-869.	2.1	605
4	Effects of model-based physiological noise correction on default mode network anti-correlations and correlations. NeuroImage, 2009, 47, 1448-1459.	2.1	455
5	Association between heart rate variability and fluctuations in resting-state functional connectivity. NeuroImage, 2013, 68, 93-104.	2.1	309
6	EEG correlates of time-varying BOLD functional connectivity. NeuroImage, 2013, 72, 227-236.	2.1	299
7	Relationship between respiration, end-tidal CO2, and BOLD signals in resting-state fMRI. NeuroImage, 2009, 47, 1381-1393.	2.1	298
8	Tracking brain arousal fluctuations with fMRI. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4518-4523.	3.3	269
9	The Basal Forebrain Regulates Global Resting-State fMRI Fluctuations. Neuron, 2018, 97, 940-952.e4.	3.8	181
10	Decomposition of spontaneous brain activity into distinct fMRI co-activation patterns. Frontiers in Systems Neuroscience, 2013, 7, 101.	1.2	171
11	Increased insula coactivation with salience networks in insomnia. Biological Psychology, 2014, 97, 1-8.	1.1	144
12	Introducing co-activation pattern metrics to quantify spontaneous brain network dynamics. NeuroImage, 2015, 111, 476-488.	2.1	138
13	Mapping and correction of vascular hemodynamic latency in the BOLD signal. NeuroImage, 2008, 43, 90-102.	2.1	119
14	Mapping the end-tidal CO2 response function in the resting-state BOLD fMRI signal: Spatial specificity, testâ€“retest reliability and effect of fMRI sampling rate. NeuroImage, 2015, 104, 266-277.	2.1	115
15	Resting-state â€œphysiological networksâ€• NeuroImage, 2020, 213, 116707.	2.1	111
16	Sympathetic activity contributes to the fMRI signal. Communications Biology, 2019, 2, 421.	2.0	71
17	Template-based prediction of vigilance fluctuations in resting-state fMRI. NeuroImage, 2018, 174, 317-327.	2.1	65
18	Contribution of systemic vascular effects to fMRI activity in white matter. NeuroImage, 2018, 176, 541-549.	2.1	60

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19	Impaired vigilance networks in temporal lobe epilepsy: Mechanisms and clinical implications. Epilepsia, 2020, 61, 189-202.	2.6	51
20	Default mode network connectivity change corresponds to ketamineâ€™s delayed glutamatergic effects. European Archives of Psychiatry and Clinical Neuroscience, 2020, 270, 207-216.	1.8	40
21	Brain Dynamics Underlying Cognitive Flexibility Across the Lifespan. Cerebral Cortex, 2021, 31, 5263-5274.	1.6	37
22	Methods and Considerations for Dynamic Analysis of Functional MR Imaging Data. Neuroimaging Clinics of North America, 2017, 27, 547-560.	0.5	31
23	Evidence for modulation of EEG microstate sequence by vigilance level. NeuroImage, 2021, 224, 117393.	2.1	31
24	fMRI-based detection of alertness predicts behavioral response variability. ELife, 2021, 10, .	2.8	28
25	Physiological changes in sleep that affect fMRI inference. Current Opinion in Behavioral Sciences, 2020, 33, 42-50.	2.0	27
26	Analysis of stimulus-induced brain dynamics during naturalistic paradigms. NeuroImage, 2020, 216, 116461.	2.1	27
27	Brainâ€“heart interactions: challenges and opportunities with functional magnetic resonance imaging at ultra-high field. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150188.	1.6	26
28	Coactivation pattern analysis reveals altered salience network dynamics in children with autism spectrum disorder. Network Neuroscience, 2020, 4, 1219-1234.	1.4	26
29	Whole-Brain Functional Dynamics Track Depressive Symptom Severity. Cerebral Cortex, 2021, 31, 4867-4876.	1.6	21
30	All-night functional magnetic resonance imaging sleep studies. Journal of Neuroscience Methods, 2019, 316, 83-98.	1.3	19
31	Variable-density spiral-in/out functional magnetic resonance imaging. Magnetic Resonance in Medicine, 2011, 65, 1287-1296.	1.9	17
32	Temporal lobe epilepsy alters spatio-temporal dynamics of the hippocampal functional network. NeuroImage: Clinical, 2020, 26, 102254.	1.4	17
33	Role of the Nucleus Basalis as a Key Network Node in Temporal Lobe Epilepsy. Neurology, 2021, 96, e1334-e1346.	1.5	16
34	Presurgical temporal lobe epilepsy connectome fingerprint for seizure outcome prediction. Brain Communications, 2022, 4, .	1.5	16
35	Reconstruction of respiratory variation signals from fMRI data. NeuroImage, 2021, 225, 117459.	2.1	15
36	State-related neural influences on fMRI connectivity estimation. NeuroImage, 2021, 244, 118590.	2.1	13

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37	Evoked and intrinsic brain network dynamics in children with autism spectrum disorder. NeuroImage: Clinical, 2020, 28, 102396.	1.4	11
38	Using multiband multi-echo imaging to improve the robustness and repeatability of co-activation pattern analysis for dynamic functional connectivity. NeuroImage, 2021, 243, 118555.	2.1	11
39	MRI network progression in mesial temporal lobe epilepsy related to healthy brain architecture. Network Neuroscience, 2021, 5, 434-450.	1.4	9
40	Multimodal EEG-fMRI: Advancing insight into large-scale human brain dynamics. Current Opinion in Biomedical Engineering, 2021, 18, 100279.	1.8	8
41	Characterization of resting functional MRI activity alterations across epileptic foci and networks. Cerebral Cortex, 2022, 32, 5555-5568.	1.6	5
42	Interindividual Signatures of fMRI Temporal Fluctuations. Cerebral Cortex, 2021, 31, 4450-4463.	1.6	4
43	Automated Classification of Resting-State fMRI ICA Components Using a Deep Siamese Network. Frontiers in Neuroscience, 2022, 16, 768634.	1.4	4
44	Altered patterns of brain dynamics linked with body mass index in youth with autism. Autism Research, 2021, 14, 873-886.	2.1	3
45	Greater Social Competence Is Associated With Higher Interpersonal Neural Synchrony in Adolescents With Autism. Frontiers in Human Neuroscience, 2021, 15, 790085.	1.0	3
46	From Brain to Body: Learning Low-Frequency Respiration and Cardiac Signals from fMRI Dynamics. Lecture Notes in Computer Science, 2021, , 553-563.	1.0	2
47	Arousal and salience network connectivity alterations in surgical temporal lobe epilepsy. Journal of Neurosurgery, 2022, , 1-11.	0.9	1