

# Catie Chang

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

7,937  
citations

304602

22  
h-index

214721

47  
g-index

53  
all docs

53  
docs citations

53  
times ranked

7398  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of resting functional MRI activity alterations across epileptic foci and networks. <i>Cerebral Cortex</i> , 2022, 32, 5555-5568.	1.6	5
2	Automated Classification of Resting-State fMRI ICA Components Using a Deep Siamese Network. <i>Frontiers in Neuroscience</i> , 2022, 16, 768634.	1.4	4
3	Presurgical temporal lobe epilepsy connectome fingerprint for seizure outcome prediction. <i>Brain Communications</i> , 2022, 4, .	1.5	16
4	Arousal and salience network connectivity alterations in surgical temporal lobe epilepsy. <i>Journal of Neurosurgery</i> , 2022, , 1-11.	0.9	1
5	Evidence for modulation of EEG microstate sequence by vigilance level. <i>NeuroImage</i> , 2021, 224, 117393.	2.1	31
6	Reconstruction of respiratory variation signals from fMRI data. <i>NeuroImage</i> , 2021, 225, 117459.	2.1	15
7	Role of the Nucleus Basalis as a Key Network Node in Temporal Lobe Epilepsy. <i>Neurology</i> , 2021, 96, e1334-e1346.	1.5	16
8	MRI network progression in mesial temporal lobe epilepsy related to healthy brain architecture. <i>Network Neuroscience</i> , 2021, 5, 434-450.	1.4	9
9	Altered patterns of brain dynamics linked with body mass index in youth with autism. <i>Autism Research</i> , 2021, 14, 873-886.	2.1	3
10	Whole-Brain Functional Dynamics Track Depressive Symptom Severity. <i>Cerebral Cortex</i> , 2021, 31, 4867-4876.	1.6	21
11	Interindividual Signatures of fMRI Temporal Fluctuations. <i>Cerebral Cortex</i> , 2021, 31, 4450-4463.	1.6	4
12	fMRI-based detection of alertness predicts behavioral response variability. <i>ELife</i> , 2021, 10, .	2.8	28
13	Brain Dynamics Underlying Cognitive Flexibility Across the Lifespan. <i>Cerebral Cortex</i> , 2021, 31, 5263-5274.	1.6	37
14	Multimodal EEG-fMRI: Advancing insight into large-scale human brain dynamics. <i>Current Opinion in Biomedical Engineering</i> , 2021, 18, 100279.	1.8	8
15	State-related neural influences on fMRI connectivity estimation. <i>NeuroImage</i> , 2021, 244, 118590.	2.1	13
16	Using multiband multi-echo imaging to improve the robustness and repeatability of co-activation pattern analysis for dynamic functional connectivity. <i>NeuroImage</i> , 2021, 243, 118555.	2.1	11
17	From Brain to Body: Learning Low-Frequency Respiration and Cardiac Signals from fMRI Dynamics. <i>Lecture Notes in Computer Science</i> , 2021, , 553-563.	1.0	2
18	Greater Social Competence Is Associated With Higher Interpersonal Neural Synchrony in Adolescents With Autism. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 790085.	1.0	3

#	ARTICLE	IF	CITATIONS
19	Default mode network connectivity change corresponds to ketamine's delayed glutamatergic effects. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2020, 270, 207-216.	1.8	40
20	Physiological changes in sleep that affect fMRI inference. <i>Current Opinion in Behavioral Sciences</i> , 2020, 33, 42-50.	2.0	27
21	Analysis of stimulus-induced brain dynamics during naturalistic paradigms. <i>NeuroImage</i> , 2020, 216, 116461.	2.1	27
22	Impaired vigilance networks in temporal lobe epilepsy: Mechanisms and clinical implications. <i>Epilepsia</i> , 2020, 61, 189-202.	2.6	51
23	Evoked and intrinsic brain network dynamics in children with autism spectrum disorder. <i>NeuroImage: Clinical</i> , 2020, 28, 102396.	1.4	11
24	Coactivation pattern analysis reveals altered salience network dynamics in children with autism spectrum disorder. <i>Network Neuroscience</i> , 2020, 4, 1219-1234.	1.4	26
25	Resting-state "œphysiological networks" <i>NeuroImage</i> , 2020, 213, 116707.	2.1	111
26	Temporal lobe epilepsy alters spatio-temporal dynamics of the hippocampal functional network. <i>NeuroImage: Clinical</i> , 2020, 26, 102254.	1.4	17
27	Sympathetic activity contributes to the fMRI signal. <i>Communications Biology</i> , 2019, 2, 421.	2.0	71
28	All-night functional magnetic resonance imaging sleep studies. <i>Journal of Neuroscience Methods</i> , 2019, 316, 83-98.	1.3	19
29	The Basal Forebrain Regulates Global Resting-State fMRI Fluctuations. <i>Neuron</i> , 2018, 97, 940-952.e4.	3.8	181
30	Contribution of systemic vascular effects to fMRI activity in white matter. <i>NeuroImage</i> , 2018, 176, 541-549.	2.1	60
31	Template-based prediction of vigilance fluctuations in resting-state fMRI. <i>NeuroImage</i> , 2018, 174, 317-327.	2.1	65
32	Methods and Considerations for Dynamic Analysis of Functional MR Imaging Data. <i>Neuroimaging Clinics of North America</i> , 2017, 27, 547-560.	0.5	31
33	Tracking brain arousal fluctuations with fMRI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4518-4523.	3.3	269
34	Brain-heart interactions: challenges and opportunities with functional magnetic resonance imaging at ultra-high field. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150188.	1.6	26
35	Mapping the end-tidal CO2 response function in the resting-state BOLD fMRI signal: Spatial specificity, test-retest reliability and effect of fMRI sampling rate. <i>NeuroImage</i> , 2015, 104, 266-277.	2.1	115
36	Introducing co-activation pattern metrics to quantify spontaneous brain network dynamics. <i>NeuroImage</i> , 2015, 111, 476-488.	2.1	138

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37	Increased insula coactivation with salience networks in insomnia. <i>Biological Psychology</i> , 2014, 97, 1-8.	1.1	144
38	EEG correlates of time-varying BOLD functional connectivity. <i>NeuroImage</i> , 2013, 72, 227-236.	2.1	299
39	Association between heart rate variability and fluctuations in resting-state functional connectivity. <i>NeuroImage</i> , 2013, 68, 93-104.	2.1	309
40	Dynamic functional connectivity: Promise, issues, and interpretations. <i>NeuroImage</i> , 2013, 80, 360-378.	2.1	2,358
41	Decomposition of spontaneous brain activity into distinct fMRI co-activation patterns. <i>Frontiers in Systems Neuroscience</i> , 2013, 7, 101.	1.2	171
42	Variable-density spiral-in/out functional magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1287-1296.	1.9	17
43	Time-frequency dynamics of resting-state brain connectivity measured with fMRI. <i>NeuroImage</i> , 2010, 50, 81-98.	2.1	1,645
44	Influence of heart rate on the BOLD signal: The cardiac response function. <i>NeuroImage</i> , 2009, 44, 857-869.	2.1	605
45	Relationship between respiration, end-tidal CO <sub>2</sub> , and BOLD signals in resting-state fMRI. <i>NeuroImage</i> , 2009, 47, 1381-1393.	2.1	298
46	Effects of model-based physiological noise correction on default mode network anti-correlations and correlations. <i>NeuroImage</i> , 2009, 47, 1448-1459.	2.1	455
47	Mapping and correction of vascular hemodynamic latency in the BOLD signal. <i>NeuroImage</i> , 2008, 43, 90-102.	2.1	119