

Gang Chen

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

6,245
citations

136950

32
h-index

82547

72
g-index

100
all docs

100
docs citations

100
times ranked

7537
citing authors

#	ARTICLE	IF	CITATIONS
1	FMRI Clustering in AFNI: False-Positive Rates Redux. <i>Brain Connectivity</i> , 2017, 7, 152-171.	1.7	707
2	Amygdala and Ventrolateral Prefrontal Cortex Activation to Masked Angry Faces in Children and Adolescents With Generalized Anxiety Disorder. <i>Archives of General Psychiatry</i> , 2008, 65, 568.	12.3	595
3	Ventrolateral Prefrontal Cortex Activation and Attentional Bias in Response to Angry Faces in Adolescents With Generalized Anxiety Disorder. <i>American Journal of Psychiatry</i> , 2006, 163, 1091-1097.	7.2	384
4	Linear mixed-effects modeling approach to FMRI group analysis. <i>NeuroImage</i> , 2013, 73, 176-190.	4.2	371
5	A new method for improving functional-to-structural MRI alignment using local Pearson correlation. <i>NeuroImage</i> , 2009, 44, 839-848.	4.2	368
6	Abnormal Ventromedial Prefrontal Cortex Function in Children With Psychopathic Traits During Reversal Learning. <i>Archives of General Psychiatry</i> , 2008, 65, 586.	12.3	324
7	Phasic and sustained fear in humans elicits distinct patterns of brain activity. <i>NeuroImage</i> , 2011, 55, 389-400.	4.2	264
8	High-Resolution CBV-fMRI Allows Mapping of Laminar Activity and Connectivity of Cortical Input and Output in Human M1. <i>Neuron</i> , 2017, 96, 1253-1263.e7.	8.1	255
9	Applications of multivariate modeling to neuroimaging group analysis: A comprehensive alternative to univariate general linear model. <i>NeuroImage</i> , 2014, 99, 571-588.	4.2	212
10	fMRI clustering and false-positive rates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3370-E3371.	7.1	182
11	FMRI group analysis combining effect estimates and their variances. <i>NeuroImage</i> , 2012, 60, 747-765.	4.2	149
12	Response to Learned Threat: An fMRI Study in Adolescent and Adult Anxiety. <i>American Journal of Psychiatry</i> , 2013, 170, 1195-1204.	7.2	148
13	Trait paranoia shapes inter-subject synchrony in brain activity during an ambiguous social narrative. <i>Nature Communications</i> , 2018, 9, 2043.	12.8	117
14	Is the statistic value all we should care about in neuroimaging?. <i>NeuroImage</i> , 2017, 147, 952-959.	4.2	115
15	Intraclass correlation: Improved modeling approaches and applications for neuroimaging. <i>Human Brain Mapping</i> , 2018, 39, 1187-1206.	3.6	107
16	Behavioral and neural stability of attention bias to threat in healthy adolescents. <i>NeuroImage</i> , 2016, 136, 84-93.	4.2	106
17	Patterns of Neural Connectivity During an Attention Bias Task Moderate Associations Between Early Childhood Temperament and Internalizing Symptoms in Young Adulthood. <i>Biological Psychiatry</i> , 2013, 74, 273-279.	1.3	87
18	Psychopathic tendencies and mesolimbic recruitment by cues for instrumental and passively obtained rewards. <i>Biological Psychology</i> , 2012, 89, 408-415.	2.2	85

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19	Training-associated changes and stability of attention bias in youth: Implications for Attention Bias Modification Treatment for pediatric anxiety. <i>Developmental Cognitive Neuroscience</i> , 2013, 4, 52-64.	4.0	85
20	Vector autoregression, structural equation modeling, and their synthesis in neuroimaging data analysis. <i>Computers in Biology and Medicine</i> , 2011, 41, 1142-1155.	7.0	82
21	Untangling the relatedness among correlations, Part II: Inter-subject correlation group analysis through linear mixed-effects modeling. <i>NeuroImage</i> , 2017, 147, 825-840.	4.2	76
22	Association of Irritability and Anxiety With the Neural Mechanisms of Implicit Face Emotion Processing in Youths With Psychopathology. <i>JAMA Psychiatry</i> , 2017, 74, 95.	11.0	74
23	Inflammation and decreased functional connectivity in a widely-distributed network in depression: Centralized effects in the ventral medial prefrontal cortex. <i>Brain, Behavior, and Immunity</i> , 2019, 80, 657-666.	4.1	71
24	Untangling the relatedness among correlations, part I: Nonparametric approaches to inter-subject correlation analysis at the group level. <i>NeuroImage</i> , 2016, 142, 248-259.	4.2	67
25	Handling Multiplicity in Neuroimaging Through Bayesian Lenses with Multilevel Modeling. <i>Neuroinformatics</i> , 2019, 17, 515-545.	2.8	66
26	Layer-specific activation of sensory input and predictive feedback in the human primary somatosensory cortex. <i>Science Advances</i> , 2019, 5, eaav9053.	10.3	62
27	Functional imaging analysis contest (FIAC) analysis according to AFNI and SUMA. <i>Human Brain Mapping</i> , 2006, 27, 417-424.	3.6	55
28	A DTI-based tractography study of effects on brain structure associated with prenatal alcohol exposure in newborns. <i>Human Brain Mapping</i> , 2015, 36, 170-186.	3.6	52
29	Age Differences in the Neural Correlates of Anxiety Disorders: An fMRI Study of Response to Learned Threat. <i>American Journal of Psychiatry</i> , 2020, 177, 454-463.	7.2	52
30	Prefrontal networks dynamically related to recovery from major depressive disorder: a longitudinal pharmacological fMRI study. <i>Translational Psychiatry</i> , 2019, 9, 64.	4.8	43
31	A tail of two sides: Artificially doubled false positive rates in neuroimaging due to the sidedness choice with t -tests. <i>Human Brain Mapping</i> , 2019, 40, 1037-1043.	3.6	43
32	Resting-State fMRI Functional Connectivity Is Associated with Sleepiness, Imagery, and Discontinuity of Mind. <i>PLoS ONE</i> , 2015, 10, e0142014.	2.5	42
33	Detecting the subtle shape differences in hemodynamic responses at the group level. <i>Frontiers in Neuroscience</i> , 2015, 9, 375.	2.8	42
34	Category Specific Spatial Dissociations of Parallel Processes Underlying Visual Naming. <i>Cerebral Cortex</i> , 2014, 24, 2741-2750.	2.9	38
35	Inter-subject synchrony as an index of functional specialization in early childhood. <i>Scientific Reports</i> , 2018, 8, 2252.	3.3	35
36	Hyperbolic trade-off: The importance of balancing trial and subject sample sizes in neuroimaging. <i>NeuroImage</i> , 2022, 247, 118786.	4.2	35

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37	Neural correlates of developing theory of mind competence in early childhood. <i>NeuroImage</i> , 2019, 184, 707-716.	4.2	32
38	Interactions between emotion and action in the brain. <i>NeuroImage</i> , 2020, 214, 116728.	4.2	32
39	Exploring fMRI Results Space: 31 Variants of an fMRI Analysis in AFNI, FSL, and SPM. <i>Frontiers in Neuroinformatics</i> , 2016, 10, 24.	2.5	30
40	Segregating attention from response control when performing a motor inhibition task. <i>NeuroImage</i> , 2016, 126, 27-38.	4.2	29
41	Reliability of neural activation and connectivity during implicit face emotion processing in youth. <i>Developmental Cognitive Neuroscience</i> , 2018, 31, 67-73.	4.0	26
42	Statistical power comparisons at 3T and 7T with a GO / NOGO task. <i>NeuroImage</i> , 2018, 175, 100-110.	4.2	24
43	An integrative Bayesian approach to matrix-based analysis in neuroimaging. <i>Human Brain Mapping</i> , 2019, 40, 4072-4090.	3.6	24
44	Trial and error: A hierarchical modeling approach to test-retest reliability. <i>NeuroImage</i> , 2021, 245, 118647.	4.2	24
45	Reliability map of individual differences reflected in inter-subject correlation in naturalistic imaging. <i>NeuroImage</i> , 2020, 223, 117277.	4.2	22
46	ICA-based denoising strategies in breath-hold induced cerebrovascular reactivity mapping with multi echo BOLD fMRI. <i>NeuroImage</i> , 2021, 233, 117914.	4.2	22
47	Open Environment for Multimodal Interactive Connectivity Visualization and Analysis. <i>Brain Connectivity</i> , 2016, 6, 109-121.	1.7	21
48	Musical Imagery Involves Wernicke's Area in Bilateral and Anti-Correlated Network Interactions in Musicians. <i>Scientific Reports</i> , 2017, 7, 17066.	3.3	21
49	Levels of early-childhood behavioral inhibition predict distinct neurodevelopmental pathways to pediatric anxiety. <i>Psychological Medicine</i> , 2020, 50, 96-106.	4.5	21
50	Fighting or embracing multiplicity in neuroimaging? neighborhood leverage versus global calibration. <i>NeuroImage</i> , 2020, 206, 116320.	4.2	21
51	To pool or not to pool: Can we ignore cross-trial variability in FMRI?. <i>NeuroImage</i> , 2021, 225, 117496.	4.2	21
52	Age-related differences in the neural correlates of trial-to-trial variations of reaction time. <i>Developmental Cognitive Neuroscience</i> , 2016, 19, 248-257.	4.0	17
53	Is the encoding of Reward Prediction Error reliable during development?. <i>NeuroImage</i> , 2018, 178, 266-276.	4.2	17
54	Theta-burst TMS to the posterior superior temporal sulcus decreases resting-state fMRI connectivity across the face processing network. <i>Network Neuroscience</i> , 2020, 4, 746-760.	2.6	17

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55	Functional dissection of prenatal drug effects on baby brain and behavioral development. <i>Human Brain Mapping</i> , 2020, 41, 4789-4803.	3.6	16
56	Time-varying whole-brain functional network connectivity coupled to task engagement. <i>Network Neuroscience</i> , 2019, 3, 49-66.	2.6	15
57	Variance decomposition for single-subject task-based fMRI activity estimates across many sessions. <i>NeuroImage</i> , 2017, 154, 206-218.	4.2	13
58	Differential activation of the medial temporal lobe during item and associative memory across time. <i>Neuropsychologia</i> , 2019, 135, 107252.	1.6	12
59	Finding the baby in the bath water – evidence for task-specific changes in resting state functional connectivity evoked by training. <i>NeuroImage</i> , 2019, 188, 524-538.	4.2	12
60	Untangling the relatedness among correlations, part III: Inter-subject correlation analysis through Bayesian multilevel modeling for naturalistic scanning. <i>NeuroImage</i> , 2020, 216, 116474.	4.2	12
61	Layer-specific activation in human primary somatosensory cortex during tactile temporal prediction error processing. <i>NeuroImage</i> , 2022, 248, 118867.	4.2	11
62	Different activation signatures in the primary sensorimotor and higher-level regions for haptic three-dimensional curved surface exploration. <i>NeuroImage</i> , 2021, 231, 117754.	4.2	10
63	Beyond linearity in neuroimaging: Capturing nonlinear relationships with application to longitudinal studies. <i>NeuroImage</i> , 2021, 233, 117891.	4.2	7
64	Reliability of task-evoked neural activation during face-emotion paradigms: Effects of scanner and psychological processes. <i>Human Brain Mapping</i> , 2022, 43, 2109-2120.	3.6	7
65	Does experience in talking facilitate speech repetition?. <i>NeuroImage</i> , 2014, 87, 80-88.	4.2	6
66	Mixed-effects multilevel analysis followed by canonical correlation analysis is an effective fMRI tool for the investigation of idiosyncrasies. <i>Human Brain Mapping</i> , 2021, 42, 5374-5396.	3.6	6
67	Commentary: Is the Statistic Value All We Should Care about in Neuroimaging?. , 0, , .		6
68	Functional and resting-state characterizations of a periventricular heterotopic nodule associated with epileptogenic activity. <i>Neurosurgical Focus</i> , 2020, 48, E10.	2.3	6
69	Neural correlates of working memory and compensation at different stages of cognitive impairment in Parkinson's disease. <i>NeuroImage: Clinical</i> , 2022, 35, 103100.	2.7	6
70	Anxiously elaborating the social percept: Anxiety and age differences in functional connectivity of the fusiform face area in a peer evaluation paradigm. <i>Australian Journal of Psychology</i> , 2016, 68, 154-165.	2.8	4
71	Bayes estimate of primary threshold in clusterwise functional magnetic resonance imaging inferences. <i>Statistics in Medicine</i> , 2021, 40, 5673-5689.	1.6	3
72	Sources of Information Waste in Neuroimaging: Mishandling Structures, Thinking Dichotomously, and Over-Reducing Data. , 2022, 2021, .		2

#	ARTICLE	IF	CITATIONS
73	An integrated clusterwise significance measure for <scp>fMRI</scp> analysis. Human Brain Mapping, 2022, 43, 2444-2459.	3.6	2
74	BOLD data representing activation and connectivity for rare no-go versus frequent go cues. Data in Brief, 2016, 7, 66-70.	1.0	1
75	Functional Neuroimaging During Asleep DBS Surgery: A Proof of Concept Study. Frontiers in Neurology, 2021, 12, 659002.	2.4	0
76	Visual recognition in rhesus monkeys requires area TE but not TEO. Cerebral Cortex, 2023, 33, 3098-3106.	2.9	0