

Jia Liu

List of Publications by Year in descending order

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131
papers

5,423
citations

117571

34
h-index

98753

67
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146
all docs

146
docs citations

146
times ranked

6431
citing authors

#	ARTICLE	IF	CITATIONS
1	A connectome-based neuromarker of nonverbal number acuity and arithmetic skills. <i>Cerebral Cortex</i> , 2023, 33, 881-894.	1.6	5
2	Reproducibility in the absence of selective reporting: An illustration from large-scale brain asymmetry research. <i>Human Brain Mapping</i> , 2022, 43, 244-254.	1.9	16
3	Behavioral and neural correlates of social network size: The unique and common contributions of face recognition and extraversion. <i>Journal of Personality</i> , 2022, 90, 294-305.	1.8	3
4	Effects of Different Soils on the Biomass and Photosynthesis of <i>Rumex nepalensis</i> in Subalpine Region of Southwestern China. <i>Forests</i> , 2022, 13, 73.	0.9	3
5	The Face Inversion Effect in Deep Convolutional Neural Networks. <i>Frontiers in Computational Neuroscience</i> , 2022, 16, .	1.2	6
6	Numerosity representation in a deep convolutional neural network. <i>Journal of Pacific Rim Psychology</i> , 2021, 15, 183449092110126.	1.0	2
7	AI in learning. <i>Journal of Pacific Rim Psychology</i> , 2021, 15, 183449092110381.	1.0	3
8	Development and Validation of Computational Thinking Assessment of Chinese Elementary School Students. <i>Journal of Pacific Rim Psychology</i> , 2021, 15, 183449092110102.	1.0	8
9	Semantic Relatedness Emerges in Deep Convolutional Neural Networks Designed for Object Recognition. <i>Frontiers in Computational Neuroscience</i> , 2021, 15, 625804.	1.2	6
10	Multidimensional Face Representation in a Deep Convolutional Neural Network Reveals the Mechanism Underlying AI Racism. <i>Frontiers in Computational Neuroscience</i> , 2021, 15, 620281.	1.2	11
11	Visual association learning induces global network reorganization. <i>Neuropsychologia</i> , 2021, 154, 107789.	0.7	0
12	The Face Module Emerged in a Deep Convolutional Neural Network Selectively Deprived of Face Experience. <i>Frontiers in Computational Neuroscience</i> , 2021, 15, 626259.	1.2	11
13	Separate and Shared Neural Basis of Face Memory and Face Perception in Developmental Prosopagnosia. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 668174.	1.0	6
14	The Neural Correlates of Computational Thinking: Collaboration of Distinct Cognitive Components Revealed by fMRI. <i>Cerebral Cortex</i> , 2021, 31, 5579-5597.	1.6	3
15	Editorial: Cognitive NeuroIntelligence. <i>Frontiers in Computational Neuroscience</i> , 2021, 15, 718518.	1.2	1
16	Quantifying the variability of neural activation in working memory: A functional probabilistic atlas. <i>NeuroImage</i> , 2021, 239, 118301.	2.1	3
17	Development of navigation network revealed by resting-state and task-state functional connectivity. <i>NeuroImage</i> , 2021, 243, 118515.	2.1	3
18	Homogenization of face neural representation during development. <i>Developmental Cognitive Neuroscience</i> , 2021, 52, 101040.	1.9	4

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19	Expression of CRY2 Gene in the Brain Is Related to Human Navigation. <i>Frontiers in Radiology</i> , 2021, 1, .	1.2	0
20	Validating a Reading Assessment Within the Cognitive Diagnostic Assessment Framework: Q-Matrix Construction and Model Comparisons for Different Primary Grades. <i>Frontiers in Psychology</i> , 2021, 12, 786612.	1.1	3
21	Multi-Item Discriminability Pattern to Faces in Developmental Prosopagnosia Reveals Distinct Mechanisms of Face Processing. <i>Cerebral Cortex</i> , 2020, 30, 2986-2996.	1.6	14
22	Brain Structure and Functional Connectivity Associated with Individual Differences in the Attentional Blink. <i>Cerebral Cortex</i> , 2020, 30, 6224-6237.	1.6	9
23	DNNBrain: A Unifying Toolbox for Mapping Deep Neural Networks and Brains. <i>Frontiers in Computational Neuroscience</i> , 2020, 14, 580632.	1.2	12
24	Hierarchical Sparse Coding of Objects in Deep Convolutional Neural Networks. <i>Frontiers in Computational Neuroscience</i> , 2020, 14, 578158.	1.2	5
25	Motor Learning Improves the Stability of Large-Scale Brain Connectivity Pattern. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 571733.	1.0	3
26	COMT-Polymorphisms Modulated Functional Profile of the Fusiform Face Area Contributes to Face-Specific Recognition Ability. <i>Scientific Reports</i> , 2020, 10, 2134.	1.6	7
27	Gene Expression Correlates of the Cortical Network Underlying Sentence Processing. <i>Neurobiology of Language (Cambridge, Mass)</i> , 2020, 1, 77-103.	1.7	15
28	Sex-Specific Functional Connectivity in the Reward Network Related to Distinct Gender Roles. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 593787.	1.0	2
29	Implementation-Independent Representation for Deep Convolutional Neural Networks and Humans in Processing Faces. <i>Frontiers in Computational Neuroscience</i> , 2020, 14, 601314.	1.2	8
30	Resting-State Functional Connectivity of the Punishment Network Associated With Conformity. <i>Frontiers in Behavioral Neuroscience</i> , 2020, 14, 617402.	1.0	3
31	The neuroanatomical correlates of individual differences in delay discounting: A voxel-based morphometry study. <i>Journal of Pacific Rim Psychology</i> , 2019, 13, e29.	1.0	4
32	Effects of early adversity on the brain: Larger-volume anterior cingulate cortex in AIDS orphans. <i>PLoS ONE</i> , 2019, 14, e0210489.	1.1	4
33	A probabilistic atlas of the human motion complex built from large-scale functional localizer data. <i>Human Brain Mapping</i> , 2019, 40, 3475-3487.	1.9	13
34	Functional connectivity pattern in the core face network reflects different mechanisms of holistic face processing measured by the whole-part effect and composite-face effect. <i>Neuroscience</i> , 2019, 408, 248-258.	1.1	11
35	Enhanced functional connectivity of the default mode network (DMN) in patients with spleen deficiency syndrome. <i>Medicine (United States)</i> , 2019, 98, e14372.	0.4	2
36	A manually denoised audio-visual movie watching fMRI dataset for the studyforrest project. <i>Scientific Data</i> , 2019, 6, 295.	2.4	8

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37	Indirect Effects of Fluid Intelligence on Creative Aptitude Through Openness to Experience. <i>Current Psychology</i> , 2019, 38, 563-571.	1.7	6
38	Self-Assembled of Corannulene-Based Molecular Cage with Fullerenes as Template. <i>Chinese Journal of Organic Chemistry</i> , 2019, 39, 2867.	0.6	6
39	Neural mechanisms underlying individual differences in attentional blink. <i>Journal of Vision</i> , 2019, 19, 108.	0.1	0
40	Developmental Reorganization of the Core and Extended Face Networks Revealed by Global Functional Connectivity. <i>Cerebral Cortex</i> , 2018, 28, 3521-3530.	1.6	16
41	The neural network for face recognition: Insights from an fMRI study on developmental prosopagnosia. <i>NeuroImage</i> , 2018, 169, 151-161.	2.1	43
42	The hippocampus underlies the association between self-esteem and physical health. <i>Scientific Reports</i> , 2018, 8, 17141.	1.6	16
43	Cognitive impairment in patients with kidney deficiency syndrome: A resting-state fMRI study. <i>European Journal of Integrative Medicine</i> , 2018, 24, 49-53.	0.8	2
44	Neural correlates of semantic and phonological processing revealed by functional connectivity patterns in the language network. <i>Neuropsychologia</i> , 2018, 121, 47-57.	0.7	13
45	Mapping cortical brain asymmetry in 17,141 healthy individuals worldwide via the ENIGMA Consortium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5154-E5163.	3.3	299
46	Protective and restorative effects of the traditional Chinese medicine Jitai tablet against methamphetamine-induced dopaminergic neurotoxicity. <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 76.	3.7	3
47	Dissociable dynamic network organization states for representations of relative and absolute spatial relations. <i>Journal of Vision</i> , 2018, 18, 742.	0.1	0
48	Global network reorganization induced by short-term visual association learning. <i>Journal of Vision</i> , 2018, 18, 758.	0.1	0
49	Genetic Variation in S100B Modulates Neural Processing of Visual Scenes in Han Chinese. <i>Cerebral Cortex</i> , 2017, 27, bhv322.	1.6	20
50	Human navigation network: the intrinsic functional organization and behavioral relevance. <i>Brain Structure and Function</i> , 2017, 222, 749-764.	1.2	19
51	Quantifying the variability of scene-selective regions: Interindividual, interhemispheric, and sex differences. <i>Human Brain Mapping</i> , 2017, 38, 2260-2275.	1.9	43
52	Influence of parental care on offspring hippocampal volume in young adults varies as a function of overprotection. <i>Scientific Reports</i> , 2017, 7, 46429.	1.6	9
53	Unsatisfied relatedness, not competence or autonomy, increases trait anger through the right amygdala. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2017, 17, 932-938.	1.0	8
54	The shared neural basis of music and language. <i>Neuroscience</i> , 2017, 357, 208-219.	1.1	30

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55	Diagnosing prosopagnosia in East Asian individuals: Norms for the Cambridge Face Memory Test—Chinese. <i>Cognitive Neuropsychology</i> , 2017, 34, 253-268.	0.4	17
56	Sex-linked association between cortical scene selectivity and navigational ability. <i>NeuroImage</i> , 2017, 158, 397-405.	2.1	10
57	Dissociated neural basis of two behavioral hallmarks of holistic face processing: The whole-part effect and composite-face effect. <i>Neuropsychologia</i> , 2017, 102, 52-60.	0.7	12
58	Dual roles of the hippocampus and intraparietal sulcus in network integration and segregation support scene recognition. <i>Brain Structure and Function</i> , 2017, 223, 1473-1485.	1.2	5
59	Experience with the Cardinal Coordinate System Contributes to the Precision of Cognitive Maps. <i>Frontiers in Psychology</i> , 2017, 8, 1166.	1.1	4
60	Distinct neural substrates of visuospatial and verbal-analytic reasoning as assessed by Raven's™ Advanced Progressive Matrices. <i>Scientific Reports</i> , 2017, 7, 16230.	1.6	11
61	Pathway to neural resilience: Self-esteem buffers against deleterious effects of poverty on the hippocampus. <i>Human Brain Mapping</i> , 2016, 37, 3757-3766.	1.9	34
62	Functional integration of the posterior superior temporal sulcus correlates with facial expression recognition. <i>Human Brain Mapping</i> , 2016, 37, 1930-1940.	1.9	31
63	Neural Correlates of Biased Responses: The Negative Method Effect in the Rosenberg Self-Esteem Scale Is Associated with Right Amygdala Volume. <i>Journal of Personality</i> , 2016, 84, 623-632.	1.8	15
64	Neural Univariate Activity and Multivariate Pattern in the Posterior Superior Temporal Sulcus Differentially Encode Facial Expression and Identity. <i>Scientific Reports</i> , 2016, 6, 23427.	1.6	7
65	A test-retest dataset for assessing long-term reliability of brain morphology and resting-state brain activity. <i>Scientific Data</i> , 2016, 3, 160016.	2.4	14
66	Frequency-dependent alterations in regional homogeneity in major depression. <i>Behavioural Brain Research</i> , 2016, 306, 13-19.	1.2	34
67	Structural and functional neural correlates of spatial navigation: a combined voxel-based morphometry and functional connectivity study. <i>Brain and Behavior</i> , 2016, 6, e00572.	1.0	29
68	Altered spontaneous neural activity in the occipital face area reflects behavioral deficits in developmental prosopagnosia. <i>Neuropsychologia</i> , 2016, 89, 344-355.	0.7	39
69	Amplitude of low-frequency oscillations associated with emotional conflict control. <i>Experimental Brain Research</i> , 2016, 234, 2561-2566.	0.7	4
70	The Hierarchical Structure of the Face Network Revealed by Its Functional Connectivity Pattern. <i>Journal of Neuroscience</i> , 2016, 36, 890-900.	1.7	66
71	The dissociable neural dynamics of cognitive conflict and emotional conflict control: An ERP study. <i>Neuroscience Letters</i> , 2016, 619, 149-154.	1.0	23
72	Dissociable roles of internal feelings and face recognition ability in facial expression decoding. <i>NeuroImage</i> , 2016, 132, 283-292.	2.1	13

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73	Brain regions involved in dispositional mindfulness during resting state and their relation with well-being. <i>Social Neuroscience</i> , 2016, 11, 331-343.	0.7	65
74	A Multi-Atlas Labeling Approach for Identifying Subject-Specific Functional Regions of Interest. <i>PLoS ONE</i> , 2016, 11, e0146868.	1.1	2
75	A new approach to the diagnosis of deficits in processing faces: Potential application in autism research. <i>Science China Life Sciences</i> , 2015, 58, 1024-1035.	2.3	8
76	Serotonin transporter gene polymorphism (5-HTTLPR) influences trait anxiety by modulating the functional connectivity between the amygdala and insula in Han Chinese males. <i>Human Brain Mapping</i> , 2015, 36, 2732-2742.	1.9	22
77	Effects of Jitai Tablet, A Traditional Chinese Medicine, on Spontaneous Withdrawal Symptoms and Modulation of Dopaminergic Functions in Morphine-Dependent Rats. <i>Phytotherapy Research</i> , 2015, 29, 687-694.	2.8	8
78	Mother's but not father's education predicts general fluid intelligence in emerging adulthood: Behavioral and neuroanatomical evidence. <i>Human Brain Mapping</i> , 2015, 36, 4582-4591.	1.9	33
79	Extraversion mediates the relationship between structural variations in the dorsolateral prefrontal cortex and social well-being. <i>NeuroImage</i> , 2015, 105, 269-275.	2.1	45
80	Neural Decoding Reveals Impaired Face Configural Processing in the Right Fusiform Face Area of Individuals with Developmental Prosopagnosia. <i>Journal of Neuroscience</i> , 2015, 35, 1539-1548.	1.7	65
81	Different neural pathways linking personality traits and eudaimonic well-being: a resting-state functional magnetic resonance imaging study. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2015, 15, 299-309.	1.0	39
82	Quantifying interindividual variability and asymmetry of face-selective regions: A probabilistic functional atlas. <i>NeuroImage</i> , 2015, 113, 13-25.	2.1	119
83	Examining gray matter structures associated with individual differences in global life satisfaction in a large sample of young adults. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 952-960.	1.5	51
84	Typical and Atypical Development of Functional Connectivity in the Face Network. <i>Journal of Neuroscience</i> , 2015, 35, 14624-14635.	1.7	44
85	Self-face recognition in the ultrahigh risk for psychosis population. <i>Microbial Biotechnology</i> , 2015, 9, 126-132.	0.9	5
86	Neural correlates of psychological resilience and their relation to life satisfaction in a sample of healthy young adults. <i>NeuroImage</i> , 2015, 123, 165-172.	2.1	121
87	Neural correlates of the happy life: The amplitude of spontaneous low frequency fluctuations predicts subjective well-being. <i>NeuroImage</i> , 2015, 107, 136-145.	2.1	111
88	Regulating emotion to improve physical health through the amygdala. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 523-530.	1.5	36
89	Electrophysiological correlates related to the conflict adaptation effect in an emotional conflict task. <i>Neuroscience Letters</i> , 2015, 584, 219-223.	1.0	13
90	Brain structure links trait creativity to openness to experience. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 191-198.	1.5	129

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91	Mapping Individual Brain Networks Using Statistical Similarity in Regional Morphology from MRI. PLoS ONE, 2015, 10, e0141840.	1.1	82
92	The Gray Matter Volume of the Amygdala Is Correlated with the Perception of Melodic Intervals: A Voxel-Based Morphometry Study. PLoS ONE, 2014, 9, e99889.	1.1	8
93	Individual Differences in Impulsivity Predict Head Motion during Magnetic Resonance Imaging. PLoS ONE, 2014, 9, e104989.	1.1	97
94	Individual differences in cortical face selectivity predict behavioral performance in face recognition. Frontiers in Human Neuroscience, 2014, 8, 483.	1.0	49
95	Neuroprotective Effects of Jitai Tablet, a Traditional Chinese Medicine, on the MPTP-Induced Acute Model of Parkinson's Disease: Involvement of the Dopamine System. Evidence-based Complementary and Alternative Medicine, 2014, 2014, 1-9.	0.5	15
96	Neuropsychological impairment: the disturbed effect of self-processing in patients with major depressive disorder. Science Bulletin, 2014, 59, 3595-3601.	1.7	0
97	Measuring individual morphological relationship of cortical regions. Journal of Neuroscience Methods, 2014, 237, 103-107.	1.3	78
98	Neural representations for the generation of inventive conceptions inspired by adaptive feature optimization of biological species. Cortex, 2014, 50, 162-173.	1.1	30
99	An open science resource for establishing reliability and reproducibility in functional connectomics. Scientific Data, 2014, 1, 140049.	2.4	349
100	Sex-Related Neuroanatomical Basis of Emotion Regulation Ability. PLoS ONE, 2014, 9, e97071.	1.1	34
101	Nurtured to follow the crowd: A twin study on conformity. Science Bulletin, 2013, 58, 1175-1180.	1.7	3
102	Failure in developing high-level visual functions after occipitoparietal lesions at an early age: A case study. Cortex, 2013, 49, 2689-2699.	1.1	4
103	Representation of Contextually Related Multiple Objects in the Human Ventral Visual Pathway. Journal of Cognitive Neuroscience, 2013, 25, 1261-1269.	1.1	22
104	The Hierarchical Brain Network for Face Recognition. PLoS ONE, 2013, 8, e59886.	1.1	108
105	Motor Training Increases the Stability of Activation Patterns in the Primary Motor Cortex. PLoS ONE, 2013, 8, e53555.	1.1	19
106	Neural Correlates of the Perception for Novel Objects. PLoS ONE, 2013, 8, e62979.	1.1	7
107	The Comparison of Multiple Testing Corrections Methods in Genome-Wide Association Studies. Advances in Psychological Science, 2013, 21, 1874-1882.	0.2	5
108	Top-Down Processing of Symbolic Meanings Modulates the Visual Word Form Area. Journal of Neuroscience, 2012, 32, 12277-12283.	1.7	33

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109	Individual Differences in Holistic Processing Predict Face Recognition Ability. <i>Psychological Science</i> , 2012, 23, 169-177.	1.8	199
110	A Robust Method of Measuring Other-Race and Other-Ethnicity Effects: The Cambridge Face Memory Test Format. <i>PLoS ONE</i> , 2012, 7, e47956.	1.1	56
111	Selective impairment in recognizing the familiarity of self faces in schizophrenia. <i>Science Bulletin</i> , 2012, 57, 1818-1823.	1.7	8
112	The Fusiform Face Area Is Engaged in Holistic, Not Parts-Based, Representation of Faces. <i>PLoS ONE</i> , 2012, 7, e40390.	1.1	51
113	Resting-State Neural Activity across Face-Selective Cortical Regions Is Behaviorally Relevant. <i>Journal of Neuroscience</i> , 2011, 31, 10323-10330.	1.7	116
114	General associative learning shapes the plasticity of the visual word form area. <i>NeuroReport</i> , 2010, 21, 333-337.	0.6	5
115	Heritability of the Specific Cognitive Ability of Face Perception. <i>Current Biology</i> , 2010, 20, 137-142.	1.8	225
116	Short-term language experience shapes the plasticity of the visual word form area. <i>Brain Research</i> , 2010, 1316, 83-91.	1.1	27
117	Mapping Informative Clusters in a Hierarchical Framework of fMRI Multivariate Analysis. <i>PLoS ONE</i> , 2010, 5, e15065.	1.1	3
118	The Role of Top-Down Task Context in Learning to Perceive Objects. <i>Journal of Neuroscience</i> , 2010, 30, 9869-9876.	1.7	44
119	Extraversion predicts individual differences in face recognition. <i>Communicative and Integrative Biology</i> , 2010, 3, 295-298.	0.6	57
120	Neural correlates of the "Aha" experiences: Evidence from an fMRI study of insight problem solving. <i>Cortex</i> , 2010, 46, 397-403.	1.1	99
121	Perception of Face Parts and Face Configurations: An fMRI Study. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 203-211.	1.1	266
122	The Part Task of the Part-Spacing Paradigm Is Not a Pure Measurement of Part-Based Information of Faces. <i>PLoS ONE</i> , 2009, 4, e6239.	1.1	7
123	Dissociation of attention and intention in human posterior parietal cortex: an fMRI study. <i>European Journal of Neuroscience</i> , 2009, 29, 2083-2091.	1.2	20
124	Influence of trait-anxiety on inhibition function: Evidence from ERPs study. <i>Neuroscience Letters</i> , 2009, 456, 1-5.	1.0	17
125	A novel probe for chemiluminescent image detection of proteins in two-dimensional gel electrophoresis. <i>Electrophoresis</i> , 2008, 29, 716-725.	1.3	4
126	A Novel Probe Au(III) for Chemiluminescent Image Detection of Protein Blots on Nitrocellulose Membranes. <i>Journal of Proteome Research</i> , 2008, 7, 1884-1890.	1.8	2

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127	Visual word processing and experiential origins of functional selectivity in human extrastriate cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 9087-9092.	3.3	325
128	The M170 is selective for faces, not for expertise. <i>Neuropsychologia</i> , 2005, 43, 588-597.	0.7	73
129	Stages of processing in face perception: an MEG study. <i>Nature Neuroscience</i> , 2002, 5, 910-916.	7.1	588
130	Testing cognitive models of visual attention with fMRI and MEG. <i>Neuropsychologia</i> , 2001, 39, 1329-1342.	0.7	99
131	The selectivity of the occipitotemporal M170 for faces. <i>NeuroReport</i> , 2000, 11, 337-341.	0.6	137