

# 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  
g-index

146  
all docs

146  
docs citations

146  
times ranked

6431  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stages of processing in face perception: an MEG study. <i>Nature Neuroscience</i> , 2002, 5, 910-916.	7.1	588
2	An open science resource for establishing reliability and reproducibility in functional connectomics. <i>Scientific Data</i> , 2014, 1, 140049.	2.4	349
3	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
4	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
5	Perception of Face Parts and Face Configurations: An fMRI Study. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 203-211.	1.1	266
6	Heritability of the Specific Cognitive Ability of Face Perception. <i>Current Biology</i> , 2010, 20, 137-142.	1.8	225
7	Individual Differences in Holistic Processing Predict Face Recognition Ability. <i>Psychological Science</i> , 2012, 23, 169-177.	1.8	199
8	The selectivity of the occipitotemporal M170 for faces. <i>NeuroReport</i> , 2000, 11, 337-341.	0.6	137
9	Brain structure links trait creativity to openness to experience. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 191-198.	1.5	129
10	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
11	Quantifying interindividual variability and asymmetry of face-selective regions: A probabilistic functional atlas. <i>NeuroImage</i> , 2015, 113, 13-25.	2.1	119
12	Resting-State Neural Activity across Face-Selective Cortical Regions Is Behaviorally Relevant. <i>Journal of Neuroscience</i> , 2011, 31, 10323-10330.	1.7	116
13	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
14	The Hierarchical Brain Network for Face Recognition. <i>PLoS ONE</i> , 2013, 8, e59886.	1.1	108
15	Testing cognitive models of visual attention with fMRI and MEG. <i>Neuropsychologia</i> , 2001, 39, 1329-1342.	0.7	99
16	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
17	Individual Differences in Impulsivity Predict Head Motion during Magnetic Resonance Imaging. <i>PLoS ONE</i> , 2014, 9, e104989.	1.1	97
18	Mapping Individual Brain Networks Using Statistical Similarity in Regional Morphology from MRI. <i>PLoS ONE</i> , 2015, 10, e0141840.	1.1	82

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19	Measuring individual morphological relationship of cortical regions. <i>Journal of Neuroscience Methods</i> , 2014, 237, 103-107.	1.3	78
20	The M170 is selective for faces, not for expertise. <i>Neuropsychologia</i> , 2005, 43, 588-597.	0.7	73
21	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
22	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
23	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
24	Extraversion predicts individual differences in face recognition. <i>Communicative and Integrative Biology</i> , 2010, 3, 295-298.	0.6	57
25	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
26	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
27	The Fusiform Face Area Is Engaged in Holistic, Not Parts-Based, Representation of Faces. <i>PLoS ONE</i> , 2012, 7, e40390.	1.1	51
28	Individual differences in cortical face selectivity predict behavioral performance in face recognition. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 483.	1.0	49
29	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
30	The Role of Top-Down Task Context in Learning to Perceive Objects. <i>Journal of Neuroscience</i> , 2010, 30, 9869-9876.	1.7	44
31	Typical and Atypical Development of Functional Connectivity in the Face Network. <i>Journal of Neuroscience</i> , 2015, 35, 14624-14635.	1.7	44
32	Quantifying the variability of scene-selective regions: Interindividual, interhemispheric, and sex differences. <i>Human Brain Mapping</i> , 2017, 38, 2260-2275.	1.9	43
33	The neural network for face recognition: Insights from an fMRI study on developmental prosopagnosia. <i>NeuroImage</i> , 2018, 169, 151-161.	2.1	43
34	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
35	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
36	Regulating emotion to improve physical health through the amygdala. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 523-530.	1.5	36

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37	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
38	Frequency-dependent alterations in regional homogeneity in major depression. <i>Behavioural Brain Research</i> , 2016, 306, 13-19.	1.2	34
39	Sex-Related Neuroanatomical Basis of Emotion Regulation Ability. <i>PLoS ONE</i> , 2014, 9, e97071.	1.1	34
40	Top-Down Processing of Symbolic Meanings Modulates the Visual Word Form Area. <i>Journal of Neuroscience</i> , 2012, 32, 12277-12283.	1.7	33
41	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
42	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
43	Neural representations for the generation of inventive conceptions inspired by adaptive feature optimization of biological species. <i>Cortex</i> , 2014, 50, 162-173.	1.1	30
44	The shared neural basis of music and language. <i>Neuroscience</i> , 2017, 357, 208-219.	1.1	30
45	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
46	Short-term language experience shapes the plasticity of the visual word form area. <i>Brain Research</i> , 2010, 1316, 83-91.	1.1	27
47	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
48	Representation of Contextually Related Multiple Objects in the Human Ventral Visual Pathway. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 1261-1269.	1.1	22
49	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
50	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
51	Genetic Variation in S100B Modulates Neural Processing of Visual Scenes in Han Chinese. <i>Cerebral Cortex</i> , 2017, 27, bhv322.	1.6	20
52	Human navigation network: the intrinsic functional organization and behavioral relevance. <i>Brain Structure and Function</i> , 2017, 222, 749-764.	1.2	19
53	Motor Training Increases the Stability of Activation Patterns in the Primary Motor Cortex. <i>PLoS ONE</i> , 2013, 8, e53555.	1.1	19
54	Influence of trait-anxiety on inhibition function: Evidence from ERPs study. <i>Neuroscience Letters</i> , 2009, 456, 1-5.	1.0	17

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55	Diagnosing prosopagnosia in East Asian individuals: Norms for the Cambridge Face Memory Testâ€‘Chinese. <i>Cognitive Neuropsychology</i> , 2017, 34, 253-268.	0.4	17
56	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
57	The hippocampus underlies the association between self-esteem and physical health. <i>Scientific Reports</i> , 2018, 8, 17141.	1.6	16
58	Reproducibility in the absence of selective reporting: Anâ‘‘illustration from largeâ‘‘scale brain asymmetry research. <i>Human Brain Mapping</i> , 2022, 43, 244-254.	1.9	16
59	Neuroprotective Effects of Jitai Tablet, a Traditional Chinese Medicine, on the MPTP-Induced Acute Model of Parkinsonâ‘‘s Disease: Involvement of the Dopamine System. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014, 2014, 1-9.	0.5	15
60	Neural Correlates of Biased Responses: The Negative Method Effect in the Rosenberg Selfâ‘‘Esteem Scale Is Associated with Right Amygdala Volume. <i>Journal of Personality</i> , 2016, 84, 623-632.	1.8	15
61	Gene Expression Correlates of the Cortical Network Underlying Sentence Processing. <i>Neurobiology of Language (Cambridge, Mass )</i> , 2020, 1, 77-103.	1.7	15
62	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
63	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
64	Electrophysiological correlates related to the conflict adaptation effect in an emotional conflict task. <i>Neuroscience Letters</i> , 2015, 584, 219-223.	1.0	13
65	Dissociable roles of internal feelings and face recognition ability in facial expression decoding. <i>NeuroImage</i> , 2016, 132, 283-292.	2.1	13
66	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
67	A probabilistic atlas of the human motion complex built from largeâ‘‘scale functional localizer data. <i>Human Brain Mapping</i> , 2019, 40, 3475-3487.	1.9	13
68	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
69	DNNBrain: A Unifying Toolbox for Mapping Deep Neural Networks and Brains. <i>Frontiers in Computational Neuroscience</i> , 2020, 14, 580632.	1.2	12
70	Distinct neural substrates of visuospatial and verbal-analytic reasoning as assessed by Ravenâ‘‘s Advanced Progressive Matrices. <i>Scientific Reports</i> , 2017, 7, 16230.	1.6	11
71	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
72	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

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73	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
74	Sex-linked association between cortical scene selectivity and navigational ability. <i>NeuroImage</i> , 2017, 158, 397-405.	2.1	10
75	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
76	Brain Structure and Functional Connectivity Associated with Individual Differences in the Attentional Blink. <i>Cerebral Cortex</i> , 2020, 30, 6224-6237.	1.6	9
77	Selective impairment in recognizing the familiarity of self faces in schizophrenia. <i>Science Bulletin</i> , 2012, 57, 1818-1823.	1.7	8
78	The Gray Matter Volume of the Amygdala Is Correlated with the Perception of Melodic Intervals: A Voxel-Based Morphometry Study. <i>PLoS ONE</i> , 2014, 9, e99889.	1.1	8
79	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
80	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
81	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
82	A manually denoised audio-visual movie watching fMRI dataset for the studyforrest project. <i>Scientific Data</i> , 2019, 6, 295.	2.4	8
83	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
84	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
85	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
86	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
87	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
88	Neural Correlates of the Perception for Novel Objects. <i>PLoS ONE</i> , 2013, 8, e62979.	1.1	7
89	Indirect Effects of Fluid Intelligence on Creative Aptitude Through Openness to Experience. <i>Current Psychology</i> , 2019, 38, 563-571.	1.7	6
90	Semantic Relatedness Emerges in Deep Convolutional Neural Networks Designed for Object Recognition. <i>Frontiers in Computational Neuroscience</i> , 2021, 15, 625804.	1.2	6

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91	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
92	Self-Assembled of Corannulene-Based Molecular Cage with Fullerenes as Template. <i>Chinese Journal of Organic Chemistry</i> , 2019, 39, 2867.	0.6	6
93	The Face Inversion Effect in Deep Convolutional Neural Networks. <i>Frontiers in Computational Neuroscience</i> , 2022, 16, .	1.2	6
94	General associative learning shapes the plasticity of the visual word form area. <i>NeuroReport</i> , 2010, 21, 333-337.	0.6	5
95	Self-face recognition in the schizophrenia population. <i>Microbial Biotechnology</i> , 2015, 9, 126-132.	0.9	5
96	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
97	Hierarchical Sparse Coding of Objects in Deep Convolutional Neural Networks. <i>Frontiers in Computational Neuroscience</i> , 2020, 14, 578158.	1.2	5
98	The Comparison of Multiple Testing Corrections Methods in Genome-Wide Association Studies. <i>Advances in Psychological Science</i> , 2013, 21, 1874-1882.	0.2	5
99	A connectome-based neuromarker of nonverbal number acuity and arithmetic skills. <i>Cerebral Cortex</i> , 2023, 33, 881-894.	1.6	5
100	A novel probe for chemiluminescent image detection of proteins in two-dimensional gel electrophoresis. <i>Electrophoresis</i> , 2008, 29, 716-725.	1.3	4
101	Failure in developing high-level visual functions after occipitoparietal lesions at an early age: A case study. <i>Cortex</i> , 2013, 49, 2689-2699.	1.1	4
102	Amplitude of low-frequency oscillations associated with emotional conflict control. <i>Experimental Brain Research</i> , 2016, 234, 2561-2566.	0.7	4
103	Experience with the Cardinal Coordinate System Contributes to the Precision of Cognitive Maps. <i>Frontiers in Psychology</i> , 2017, 8, 1166.	1.1	4
104	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
105	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
106	Homogenization of face neural representation during development. <i>Developmental Cognitive Neuroscience</i> , 2021, 52, 101040.	1.9	4
107	Mapping Informative Clusters in a Hierarchical Framework of fMRI Multivariate Analysis. <i>PLoS ONE</i> , 2010, 5, e15065.	1.1	3
108	Nurtured to follow the crowd: A twin study on conformity. <i>Science Bulletin</i> , 2013, 58, 1175-1180.	1.7	3

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109	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
110	Motor Learning Improves the Stability of Large-Scale Brain Connectivity Pattern. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 571733.	1.0	3
111	AI in learning. <i>Journal of Pacific Rim Psychology</i> , 2021, 15, 183449092110381.	1.0	3
112	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
113	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
114	Quantifying the variability of neural activation in working memory: A functional probabilistic atlas. <i>NeuroImage</i> , 2021, 239, 118301.	2.1	3
115	Development of navigation network revealed by resting-state and task-state functional connectivity. <i>NeuroImage</i> , 2021, 243, 118515.	2.1	3
116	Resting-State Functional Connectivity of the Punishment Network Associated With Conformity. <i>Frontiers in Behavioral Neuroscience</i> , 2020, 14, 617402.	1.0	3
117	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
118	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
119	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
120	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
121	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
122	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
123	Numerosity representation in a deep convolutional neural network. <i>Journal of Pacific Rim Psychology</i> , 2021, 15, 183449092110126.	1.0	2
124	A Multi-Atlas Labeling Approach for Identifying Subject-Specific Functional Regions of Interest. <i>PLoS ONE</i> , 2016, 11, e0146868.	1.1	2
125	Editorial: Cognitive NeuroIntelligence. <i>Frontiers in Computational Neuroscience</i> , 2021, 15, 718518.	1.2	1
126	Neuropsychological impairment: the disturbed effect of self-processing in patients with major depressive disorder. <i>Science Bulletin</i> , 2014, 59, 3595-3601.	1.7	0



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127	Visual association learning induces global network reorganization. <i>Neuropsychologia</i> , 2021, 154, 107789.	0.7	0
128	Dissociable dynamic network organization states for representations of relative and absolute spatial relations. <i>Journal of Vision</i> , 2018, 18, 742.	0.1	0
129	Global network reorganization induced by short-term visual association learning. <i>Journal of Vision</i> , 2018, 18, 758.	0.1	0
130	Neural mechanisms underlying individual differences in attentional blink. <i>Journal of Vision</i> , 2019, 19, 108.	0.1	0
131	Expression of CRY2 Gene in the Brain Is Related to Human Navigation. <i>Frontiers in Radiology</i> , 2021, 1, .	1.2	0