

Gui Xue

List of Publications by Year in descending order

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133
papers

6,403
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60835

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89383

70
g-index

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all docs

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docs citations

145
times ranked

8172
citing authors

#	ARTICLE	IF	CITATIONS
1	Goal-directed attention transforms both working and long-term memory representations in the human parietal cortex. <i>PLoS Biology</i> , 2024, 22, e3002721.	5.4	0
2	Maintenance and transformation of representational formats during working memory prioritization. <i>Nature Communications</i> , 2024, 15, .	13.2	0
3	Genetic Polymorphism and Differentiation of Populations of Sterlet <i>Acipenser ruthenus</i> (Acipenseridae) in the Lower Irtysh and Middle Ob Basins. <i>Inland Water Biology</i> , 2024, 17, 628-637.	0.8	0
4	Intersubject similarity in neural representations underlies shared episodic memory content. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	7.6	3
5	Hippocampal Representations of Event Structure and Temporal Context during Episodic Temporal Order Memory. <i>Cerebral Cortex</i> , 2022, 32, 1520-1534.	3.2	6
6	Editorial: Cross-Modal Learning: Adaptivity, Prediction and Interaction. <i>Frontiers in Neurorobotics</i> , 2022, 16, 889911.	2.9	4
7	Higher-dimensional neural representations predict better episodic memory. <i>Science Advances</i> , 2022, 8, eabm3829.	10.9	7
8	Dynamic changes in neural representations underlie the repetition effect on false memory. <i>NeuroImage</i> , 2022, 259, 119442.	4.4	2
9	A cognitive neurogenetic approach to uncovering the structure of executive functions. <i>Nature Communications</i> , 2022, 13, .	13.2	11
10	Intrinsic non-hub connectivity predicts human inter-temporal decision-making. <i>Brain Imaging and Behavior</i> , 2021, 15, 2005-2016.	2.1	10
11	Activation patterns of the dorsal medial prefrontal cortex and frontal pole predict individual differences in decision impulsivity. <i>Brain Imaging and Behavior</i> , 2021, 15, 421-429.	2.1	23
12	CPNE3 moderates the association between anxiety and working memory. <i>Scientific Reports</i> , 2021, 11, 6891.	3.4	3
13	Reduced frontal white matter microstructure in healthy older adults with low tactile recognition performance. <i>Scientific Reports</i> , 2021, 11, 11689.	3.4	2
14	The coupling of BOLD signal variability and degree centrality underlies cognitive functions and psychiatric diseases. <i>NeuroImage</i> , 2021, 237, 118187.	4.4	12
15	Effect of stress shot peening on the residual stress field and microstructure of nanostructured Mg-8Gd-3Y alloy. <i>Journal of Materials Research and Technology</i> , 2021, 10, 74-83.	5.9	29
16	Transformative neural representations support long-term episodic memory. <i>Science Advances</i> , 2021, 7, eabg9715.	10.9	35
17	Dissociable fronto-striatal functional networks predict choice impulsivity. <i>Brain Structure and Function</i> , 2020, 225, 2377-2386.	2.4	12
18	Stable maintenance of multiple representational formats in human visual short-term memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32329-32339.	7.6	45

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19	Individual-specific and shared representations during episodic memory encoding and retrieval. <i>NeuroImage</i> , 2020, 217, 116909.	4.4	14
20	Parental warmth interacts with several genes to affect executive function components: a genome-wide environment interaction study. <i>BMC Genetics</i> , 2020, 21, 11.	2.7	11
21	Partitioning heritability analyses unveil the genetic architecture of human brain multidimensional functional connectivity patterns. <i>Human Brain Mapping</i> , 2020, 41, 3305-3317.	3.7	18
22	Crossmodal Congruency Enhances Performance of Healthy Older Adults in Visual-Tactile Pattern Matching. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 74.	3.5	12
23	Retrieval practice facilitates memory updating by enhancing and differentiating medial prefrontal cortex representations. <i>ELife</i> , 2020, 9, .	5.9	22
24	Lexical learning in a new language leads to neural pattern similarity with word reading in native language. <i>Human Brain Mapping</i> , 2019, 40, 98-109.	3.7	28
25	The regional homogeneity patterns of the dorsal medial prefrontal cortex predict individual differences in decision impulsivity. <i>NeuroImage</i> , 2019, 200, 556-561.	4.4	28
26	Spaced Learning Enhances Episodic Memory by Increasing Neural Pattern Similarity Across Repetitions. <i>Journal of Neuroscience</i> , 2019, 39, 5351-5360.	3.8	43
27	Multiple interactive memory representations underlie the induction of false memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3466-3475.	7.6	26
28	Cavity Flow Control in a Low-Speed Tunnel in Preparation for Flight Test. , , .		0
29	Socioeconomic status disparities affect children's anxiety and stress-sensitive cortisol awakening response through parental anxiety. <i>Psychoneuroendocrinology</i> , 2019, 103, 96-103.	2.8	48
30	The neuroanatomical basis of the Gambler's fallacy: A univariate and multivariate morphometric study. <i>Human Brain Mapping</i> , 2019, 40, 967-975.	3.7	8
31	Comprehensive integrative analyses identify GLT8D1 and CSNK2B as schizophrenia risk genes. <i>Nature Communications</i> , 2018, 9, 838.	13.2	82
32	The Neural Representations Underlying Human Episodic Memory. <i>Trends in Cognitive Sciences</i> , 2018, 22, 544-561.	8.0	119
33	The role of the dorsal anterior insula in sexual risk: Evidence from an erotic <scp>G</scp>o<scp>N</scp>o<scp>G</scp>o task and real-world risk-taking. <i>Human Brain Mapping</i> , 2018, 39, 1555-1562.	3.7	39
34	Statistical methods and challenges in connectome genetics. <i>Statistics and Probability Letters</i> , 2018, 136, 83-86.	0.8	6
35	Reduced Fidelity of Neural Representation Underlies Episodic Memory Decline in Normal Aging. <i>Cerebral Cortex</i> , 2018, 28, 2283-2296.	3.2	72
36	Distinct neural substrates for visual short-term memory of actions. <i>Human Brain Mapping</i> , 2018, 39, 4119-4133.	3.7	22

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37	The Motivation-Based Promotion of Proactive Control: The Role of Salience Network. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 328.	2.1	11
38	Orthographic and Phonological Representations in the Fusiform Cortex. <i>Cerebral Cortex</i> , 2017, 27, 5197-5210.	3.2	45
39	Dissociated roles of the parietal and frontal cortices in the scope and control of attention during visual working memory. <i>NeuroImage</i> , 2017, 149, 210-219.	4.4	37
40	Transformed Neural Pattern Reinstatement during Episodic Memory Retrieval. <i>Journal of Neuroscience</i> , 2017, 37, 2986-2998.	3.8	107
41	Dissociable neural processes during risky decision-making in individuals with Internet-gaming disorder. <i>NeuroImage: Clinical</i> , 2017, 14, 741-749.	2.8	80
42	Associations between the CNTNAP2 gene, dorsolateral prefrontal cortex, and cognitive performance on the Stroop task. <i>Neuroscience</i> , 2017, 343, 21-29.	2.4	8
43	Anodal transcranial direct current stimulation over the left temporoparietal cortex facilitates assembled phonology. <i>Trends in Neuroscience and Education</i> , 2017, 8-9, 10-17.	3.2	8
44	Modulation of Brain Activity with Noninvasive Transcranial Direct Current Stimulation (tDCS): Clinical Applications and Safety Concerns. <i>Frontiers in Psychology</i> , 2017, 8, 685.	2.3	96
45	Neural Pattern Similarity in the Left IFG and Fusiform Is Associated with Novel Word Learning. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 424.	2.1	10
46	Interaction Effects of BDNF and COMT Genes on Resting-State Brain Activity and Working Memory. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 540.	2.1	13
47	Sex Differences in Fiber Connection between the Striatum and Subcortical and Cortical Regions. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 100.	2.2	12
48	Anodal Stimulation of the Left DLPFC Increases IGT Scores and Decreases Delay Discounting Rate in Healthy Males. <i>Frontiers in Psychology</i> , 2016, 7, 1421.	2.3	48
49	Neural pattern similarity underlies the mnemonic advantages for living words. <i>Cortex</i> , 2016, 79, 99-111.	2.7	25
50	Dissociated neural substrates underlying impulsive choice and impulsive action. <i>NeuroImage</i> , 2016, 134, 540-549.	4.4	98
51	Alertness function of thalamus in conflict adaptation. <i>NeuroImage</i> , 2016, 132, 274-282.	4.4	15
52	Neural Global Pattern Similarity Underlies True and False Memories. <i>Journal of Neuroscience</i> , 2016, 36, 6792-6802.	3.8	31
53	The Role of the Frontal and Parietal Cortex in Proactive and Reactive Inhibitory Control: A Transcranial Direct Current Stimulation Study. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 177-186.	2.5	70
54	Striatum-Centered Fiber Connectivity Is Associated with the Personality Trait of Cooperativeness. <i>PLoS ONE</i> , 2016, 11, e0162160.	2.5	2

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55	Differential Neural Correlates Underlie Judgment of Learning and Subsequent Memory Performance. <i>Frontiers in Psychology</i> , 2015, 6, 1699.	2.3	23
56	How age of acquisition influences brain architecture in bilinguals. <i>Journal of Neurolinguistics</i> , 2015, 36, 35-55.	1.1	42
57	Long-term experience with Chinese language shapes the fusiform asymmetry of English reading. <i>NeuroImage</i> , 2015, 110, 3-10.	4.4	39
58	Spatiotemporal Neural Pattern Similarity Supports Episodic Memory. <i>Current Biology</i> , 2015, 25, 780-785.	4.0	81
59	Neural mechanisms of the spacing effect in episodic memory: A parallel EEG and fMRI study. <i>Cortex</i> , 2015, 69, 76-92.	2.7	25
60	Native language experience shapes neural basis of addressed and assembled phonologies. <i>NeuroImage</i> , 2015, 114, 38-48.	4.4	31
61	Gray and white matter structures in the midcingulate cortex region contribute to body mass index in Chinese young adults. <i>Brain Structure and Function</i> , 2015, 220, 319-329.	2.4	50
62	Regional Homogeneity of Resting-State Brain Activity Suppresses the Effect of Dopamine-Related Genes on Sensory Processing Sensitivity. <i>PLoS ONE</i> , 2015, 10, e0133143.	2.5	19
63	Artificial Language Training Reveals the Neural Substrates Underlying Addressed and Assembled Phonologies. <i>PLoS ONE</i> , 2014, 9, e93548.	2.5	34
64	What makes written words so special to the brain?. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 634.	2.1	3
65	Altered dynamics between neural systems sub-serving decisions for unhealthy food. <i>Frontiers in Neuroscience</i> , 2014, 8, 350.	2.9	24
66	Examination of Neural Systems Sub-Serving Facebook "Addiction". <i>Psychological Reports</i> , 2014, 115, 675-695.	1.9	155
67	Poor ability to resist tempting calorie rich food is linked to altered balance between neural systems involved in urge and self-control. <i>Nutrition Journal</i> , 2014, 13, 92.	3.5	61
68	Distributed Value Representation in the Medial Prefrontal Cortex during Intertemporal Choices. <i>Journal of Neuroscience</i> , 2014, 34, 7522-7530.	3.8	62
69	The SEMA5A gene is associated with hippocampal volume, and their interaction is associated with performance on Raven's Progressive Matrices. <i>NeuroImage</i> , 2014, 88, 181-187.	4.4	17
70	Functional imaging of an alcohol-implicit association test (<sc>IAT</sc>). <i>Addiction Biology</i> , 2014, 19, 467-481.	2.7	75
71	Fiber connectivity between the striatum and cortical and subcortical regions is associated with temperaments in Chinese males. <i>NeuroImage</i> , 2014, 89, 226-234.	4.4	34
72	Learning to read words in a new language shapes the neural organization of the prior languages. <i>Neuropsychologia</i> , 2014, 65, 156-168.	1.7	21

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73	Failure to utilize feedback causes decision-making deficits among excessive Internet gamers. <i>Psychiatry Research</i> , 2014, 219, 583-588.	3.4	37
74	The GABRB1 gene is associated with thalamus volume and modulates the association between thalamus volume and intelligence. <i>NeuroImage</i> , 2014, 102, 756-763.	4.4	11
75	On K_{∞} -subnormal subgroups of finite groups. <i>Mathematical Notes</i> , 2014, 95, 471-480.	0.5	7
76	Resting-state functional connectivity and reading abilities in first and second languages. <i>NeuroImage</i> , 2014, 84, 546-553.	4.4	35
77	Neural processes during encoding support durable memory. <i>NeuroImage</i> , 2014, 88, 1-9.	4.4	12
78	Language-general and -specific white matter microstructural bases for reading. <i>NeuroImage</i> , 2014, 98, 435-441.	4.4	34
79	Global Neural Pattern Similarity as a Common Basis for Categorization and Recognition Memory. <i>Journal of Neuroscience</i> , 2014, 34, 7472-7484.	3.8	83
80	Decoding the Neuroanatomical Basis of Reading Ability: A Multivoxel Morphometric Study. <i>Journal of Neuroscience</i> , 2013, 33, 12835-12843.	3.8	91
81	Genotypes over-represented among college students are linked to better cognitive abilities and socioemotional adjustment. <i>Culture and Brain</i> , 2013, 1, 47-63.	0.5	11
82	Functional imaging of implicit marijuana associations during performance on an Implicit Association Test (IAT). <i>Behavioural Brain Research</i> , 2013, 256, 494-502.	2.3	77
83	The NTSR1 gene modulates the association between hippocampal structure and working memory performance. <i>NeuroImage</i> , 2013, 75, 79-86.	4.4	9
84	Pathological Choice: The Neuroscience of Gambling and Gambling Addiction. <i>Journal of Neuroscience</i> , 2013, 33, 17617-17623.	3.8	92
85	Orthographic transparency modulates the functional asymmetry in the fusiform cortex: An artificial language training study. <i>Brain and Language</i> , 2013, 125, 165-172.	1.7	52
86	Processing of time within the prefrontal cortex: Recent time engages posterior areas whereas distant time engages anterior areas. <i>NeuroImage</i> , 2013, 72, 280-286.	4.4	20
87	The contribution of the left mid-fusiform cortical thickness to Chinese and English reading in a large Chinese sample. <i>NeuroImage</i> , 2013, 65, 250-256.	4.4	15
88	Complementary Role of Frontoparietal Activity and Cortical Pattern Similarity in Successful Episodic Memory Encoding. <i>Cerebral Cortex</i> , 2013, 23, 1562-1571.	3.2	66
89	Pilot-scale brewing using self-cloning bottom-fermenting yeast with highSSU1 expression. <i>Journal of the Institute of Brewing</i> , 2013, 119, 17-22.	2.3	11
90	Abnormal affective decision making revealed in adolescent binge drinkers using a functional magnetic resonance imaging study.. <i>Psychology of Addictive Behaviors</i> , 2013, 27, 443-454.	1.9	102

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91	Agency Modulates the Lateral and Medial Prefrontal Cortex Responses in Belief-Based Decision Making. PLoS ONE, 2013, 8, e65274.	2.5	10
92	Common Neural Mechanisms Underlying Reversal Learning by Reward and Punishment. PLoS ONE, 2013, 8, e82169.	2.5	33
93	COMT Val158Met polymorphism interacts with stressful life events and parental warmth to influence decision making. Scientific Reports, 2012, 2, 677.	3.4	43
94	Sex determines which section of the SLC6A4 gene is linked to obsessive-compulsive symptoms in normal Chinese college students. Journal of Psychiatric Research, 2012, 46, 1153-1160.	3.2	18
95	Haplotype Polymorphism in the Alpha-2B-Adrenergic Receptor Gene Influences Response Inhibition in a Large Chinese Sample. Neuropsychopharmacology, 2012, 37, 1115-1121.	5.6	13
96	Lateral prefrontal cortex contributes to maladaptive decisions. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4401-4406.	7.6	49
97	The Gambler's Fallacy Is Associated with Weak Affective Decision Making but Strong Cognitive Ability. PLoS ONE, 2012, 7, e47019.	2.5	23
98	A Neuropsychological Approach to Understanding Risk-Taking for Potential Gains and Losses. Frontiers in Neuroscience, 2012, 6, 15.	2.9	55
99	It's a word: Early electrophysiological response to the character likeness of pictographs. Psychophysiology, 2011, 48, 950-959.	2.6	18
100	An fMRI study of risk-taking following wins and losses: Implications for the gambler's fallacy. Human Brain Mapping, 2011, 32, 271-281.	3.7	65
101	Spaced Learning Enhances Subsequent Recognition Memory by Reducing Neural Repetition Suppression. Journal of Cognitive Neuroscience, 2011, 23, 1624-1633.	2.5	104
102	Integrating fMRI with psychophysiological measurements in the study of decision making.. Journal of Neuroscience, Psychology, and Economics, 2011, 4, 85-94.	1.0	20
103	Neurotensin Receptor 1 Gene (NTSR1) Polymorphism Is Associated with Working Memory. PLoS ONE, 2011, 6, e17365.	2.5	28
104	Effects of symbol type and numerical distance on the human event-related potential. Neuropsychologia, 2010, 48, 201-210.	1.7	15
105	Brain Imaging Techniques and Their Applications in Decision-Making Research. Acta Psychologica Sinica, 2010, 42, 120-137.	0.7	53
106	Facilitating Memory for Novel Characters by Reducing Neural Repetition Suppression in the Left Fusiform Cortex. PLoS ONE, 2010, 5, e13204.	2.5	35
107	The "visual word form area" is involved in successful memory encoding of both words and faces. NeuroImage, 2010, 52, 371-378.	4.4	70
108	Engagement of large-scale networks is related to individual differences in inhibitory control. NeuroImage, 2010, 53, 653-663.	4.4	158

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109	Serotonin transporter gene-linked polymorphic region (5-HTTLPR) influences decision making under ambiguity and risk in a large Chinese sample. <i>Neuropharmacology</i> , 2010, 59, 518-526.	4.2	95
110	The impact of prior risk experiences on subsequent risky decision-making: The role of the insula. <i>NeuroImage</i> , 2010, 50, 709-716.	4.4	213
111	Individual differences in false memory from misinformation: Cognitive factors. <i>Memory</i> , 2010, 18, 543-555.	1.7	122
112	Functional Dissociations of Risk and Reward Processing in the Medial Prefrontal Cortex. <i>Cerebral Cortex</i> , 2009, 19, 1019-1027.	3.2	178
113	Cultural neurolinguistics. <i>Progress in Brain Research</i> , 2009, 178, 159-171.	3.9	34
114	Sex-dependent neurofunctional predictors of long-term maintenance of visual word learning. <i>Neuroscience Letters</i> , 2008, 430, 87-91.	2.1	21
115	Language experience shapes early electrophysiological responses to visual stimuli: The effects of writing system, stimulus length, and presentation duration. <i>NeuroImage</i> , 2008, 39, 2025-2037.	4.4	43
116	Neural correlates of envisioning emotional events in the near and far future. <i>NeuroImage</i> , 2008, 40, 398-407.	4.4	192
117	Common Neural Substrates for Inhibition of Spoken and Manual Responses. <i>Cerebral Cortex</i> , 2008, 18, 1923-1932.	3.2	250
118	Neural Substrates for Reversing Stimulus-Outcome and Stimulus-Response Associations. <i>Journal of Neuroscience</i> , 2008, 28, 11196-11204.	3.8	44
119	Neural predictors of auditory word learning. <i>NeuroReport</i> , 2008, 19, 215-219.	1.2	19
120	The Neural Substrates of Visual Perceptual Learning of Words: Implications for the Visual Word Form Area Hypothesis. <i>Journal of Cognitive Neuroscience</i> , 2007, 19, 1643-1655.	2.5	122
121	Neural bases of asymmetric language switching in second-language learners: An ER-fMRI study. <i>NeuroImage</i> , 2007, 35, 862-870.	4.4	215
122	Sex determines the neurofunctional predictors of visual word learning. <i>Neuropsychologia</i> , 2007, 45, 741-747.	1.7	52
123	Language experience shapes fusiform activation when processing a logographic artificial language: An fMRI training study. <i>NeuroImage</i> , 2006, 31, 1315-1326.	4.4	148
124	Neural substrates for forward and backward recitation of numbers and the alphabet: A close examination of the role of intraparietal sulcus and perisylvian areas. <i>Brain Research</i> , 2006, 1099, 109-120.	2.3	25
125	Cerebral Asymmetry in the Fusiform Areas Predicted the Efficiency of Learning a New Writing System. <i>Journal of Cognitive Neuroscience</i> , 2006, 18, 923-931.	2.5	36
126	Cerebral asymmetry in children when reading Chinese characters. <i>Cognitive Brain Research</i> , 2005, 24, 206-214.	3.1	39

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127	Effects of Explicit Instruction to Creative Across Domains and Cultures. Journal of Creative Behavior, 2005, 39, 89-110.	2.9	69
128	Roll convection during a cold air outbreak: A large eddy simulation with stationary model domain. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	30
129	Mapping of verbal working memory in nonfluent Chinese-English bilinguals with functional MRI. NeuroImage, 2004, 22, 1-10.	4.4	73
130	An fMRI study with semantic access in low proficiency second language learners. NeuroReport, 2004, 15, 791-796.	1.2	61
131	Spatial Independent Component Analysis of Multitask-Related Activation in fMRI Data. Lecture Notes in Computer Science, 2003, , 515-522.	1.0	2
132	Creativity in Drawings of Geometric Shapes. Journal of Cross-Cultural Psychology, 2002, 33, 171-187.	1.9	94
133	Associating the old with the new. ELife, 0, 11, .	5.9	0