Gui Xue

List of Publications by Year
in descending order

133 papers	6,403 citations	60835 43 h-index	89383 70 g-index
145 all docs	145 docs citations	145 times ranked	8172 citing authors

#	Article	IF	Citations
1	Common Neural Substrates for Inhibition of Spoken and Manual Responses. Cerebral Cortex, 2008, 18, 1923-1932.	3.2	250
2	Neural bases of asymmetric language switching in second-language learners: An ER-fMRI study. NeuroImage, 2007, 35, 862-870.	4.4	215
3	The impact of prior risk experiences on subsequent risky decision-making: The role of the insula. NeuroImage, 2010, 50, 709-716.	4.4	213
4	Neural correlates of envisioning emotional events in the near and far future. NeuroImage, 2008, 40, 398-407.	4.4	192
5	Functional Dissociations of Risk and Reward Processing in the Medial Prefrontal Cortex. Cerebral Cortex, 2009, 19, 1019-1027.	3.2	178
6	Engagement of large-scale networks is related to individual differences in inhibitory control. NeuroImage, 2010, 53, 653-663.	4.4	158
7	Examination of Neural Systems Sub-Serving Facebook â€œAddictionâ€• Psychological Reports, 2014, 115, 675-695.	1.9	155
8	Language experience shapes fusiform activation when processing a logographic artificial language: An fMRI training study. NeuroImage, 2006, 31, 1315-1326.	4.4	148
9	The Neural Substrates of Visual Perceptual Learning of Words: Implications for the Visual Word Form Area Hypothesis. Journal of Cognitive Neuroscience, 2007, 19, 1643-1655.	2.5	122
10	Individual differences in false memory from misinformation: Cognitive factors. Memory, 2010, 18, 543-555.	1.7	122
11	The Neural Representations Underlying Human Episodic Memory. Trends in Cognitive Sciences, 2018, 22, 544-561.	8.0	119
12	Transformed Neural Pattern Reinstatement during Episodic Memory Retrieval. Journal of Neuroscience, 2017, 37, 2986-2998.	3.8	107
13	Spaced Learning Enhances Subsequent Recognition Memory by Reducing Neural Repetition Suppression. Journal of Cognitive Neuroscience, 2011, 23, 1624-1633.	2.5	104
14	Abnormal affective decision making revealed in adolescent binge drinkers using a functional magnetic resonance imaging study.. Psychology of Addictive Behaviors, 2013, 27, 443-454.	1.9	102
15	Dissociated neural substrates underlying impulsive choice and impulsive action. NeuroImage, 2016, 134, 540-549.	4.4	98
16	Modulation of Brain Activity with Noninvasive Transcranial Direct Current Stimulation (tDCS): Clinical Applications and Safety Concerns. Frontiers in Psychology, 2017, 8, 685.	2.3	96
17	Serotonin transporter gene-linked polymorphic region (5-HTTLPR) influences decision making under ambiguity and risk in a large Chinese sample. Neuropharmacology, 2010, 59, 518-526.	4.2	95
18	Creativity in Drawings of Geometric Shapes. Journal of Cross-Cultural Psychology, 2002, 33, 171-187.	1.9	94

#	Article	IF	Citations
19	Pathological Choice: The Neuroscience of Gambling and Gambling Addiction. Journal of Neuroscience, 2013, 33, 17617-17623.	3.8	92
20	Decoding the Neuroanatomical Basis of Reading Ability: A Multivoxel Morphometric Study. Journal of Neuroscience, 2013, 33, 12835-12843.	3.8	91
21	Global Neural Pattern Similarity as a Common Basis for Categorization and Recognition Memory. Journal of Neuroscience, 2014, 34, 7472-7484.	3.8	83
22	Comprehensive integrative analyses identify GLT8D1 and CSNK2B as schizophrenia risk genes. Nature Communications, 2018, 9, 838.	13.2	82
23	Spatiotemporal Neural Pattern Similarity Supports Episodic Memory. Current Biology, 2015, 25, 780-785.	4.0	81
24	Dissociable neural processes during risky decision-making in individuals with Internet-gaming disorder. NeuroImage: Clinical, 2017, 14, 741-749.	2.8	80
25	Functional imaging of implicit marijuana associations during performance on an Implicit Association Test (IAT). Behavioural Brain Research, 2013, 256, 494-502.	2.3	77
26	Functional imaging of an alcoholâ€<scp>I</scp>mplicit <scp>A</scp>ssociation <scp>T</scp>est (<scp>IAT</scp>). Addiction Biology, 2014, 19, 467-481.	2.7	75
27	Mapping of verbal working memory in nonfluent Chineseâ€“English bilinguals with functional MRI. NeuroImage, 2004, 22, 1-10.	4.4	73
28	Reduced Fidelity of Neural Representation Underlies Episodic Memory Decline in Normal Aging. Cerebral Cortex, 2018, 28, 2283-2296.	3.2	72
29	The â€œvisual word form areaâ€•is involved in successful memory encoding of both words and faces. NeuroImage, 2010, 52, 371-378.	4.4	70
30	The Role of the Frontal and Parietal Cortex in Proactive and Reactive Inhibitory Control: A Transcranial Direct Current Stimulation Study. Journal of Cognitive Neuroscience, 2016, 28, 177-186.	2.5	70
31	Effects of Explicit Instruction to â€œBe Creativeâ€•Across Domains and Cultures. Journal of Creative Behavior, 2005, 39, 89-110.	2.9	69
32	Complementary Role of Frontoparietal Activity and Cortical Pattern Similarity in Successful Episodic Memory Encoding. Cerebral Cortex, 2013, 23, 1562-1571.	3.2	66
33	An fMRI study of riskâ€taking following wins and losses: Implications for the gambler's fallacy. Human Brain Mapping, 2011, 32, 271-281.	3.7	65
34	Distributed Value Representation in the Medial Prefrontal Cortex during Intertemporal Choices. Journal of Neuroscience, 2014, 34, 7522-7530.	3.8	62
35	An fMRI study with semantic access in low proficiency second language learners. NeuroReport, 2004, 15, 791-796.	1.2	61
36	Poor ability to resist tempting calorie rich food is linked to altered balance between neural systems involved in urge and self-control. Nutrition Journal, 2014, 13, 92.	3.5	61

#	Article	IF	Citations
37	A Neuropsychological Approach to Understanding Risk-Taking for Potential Gains and Losses. Frontiers in Neuroscience, 2012, 6, 15.	2.9	55
38	Brain Imaging Techniques and Their Applications in Decision-Making Research. Acta Psychologica Sinica, 2010, 42, 120-137.	0.7	53
39	Sex determines the neurofunctional predictors of visual word learning. Neuropsychologia, 2007, 45, 741-747.	1.7	52
40	Orthographic transparency modulates the functional asymmetry in the fusiform cortex: An artificial language training study. Brain and Language, 2013, 125, 165-172.	1.7	52
41	Gray and white matter structures in the midcingulate cortex region contribute to body mass index in Chinese young adults. Brain Structure and Function, 2015, 220, 319-329.	2.4	50
42	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
43	Anodal Stimulation of the Left DLPFC Increases IGT Scores and Decreases Delay Discounting Rate in Healthy Males. Frontiers in Psychology, 2016, 7, 1421.	2.3	48
44	Socioeconomic status disparities affect childrenâ€™s anxiety and stress-sensitive cortisol awakening response through parental anxiety. Psychoneuroendocrinology, 2019, 103, 96-103.	2.8	48
45	Orthographic and Phonological Representations in the Fusiform Cortex. Cerebral Cortex, 2017, 27, 5197-5210.	3.2	45
46	Stable maintenance of multiple representational formats in human visual short-term memory. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32329-32339.	7.6	45
47	Neural Substrates for Reversing Stimulusâ€“Outcome and Stimulusâ€“Response Associations. Journal of Neuroscience, 2008, 28, 11196-11204.	3.8	44
48	Language experience shapes early electrophysiological responses to visual stimuli: The effects of writing system, stimulus length, and presentation duration. NeuroImage, 2008, 39, 2025-2037.	4.4	43
49	COMT Val158Met polymorphism interacts with stressful life events and parental warmth to influence decision making. Scientific Reports, 2012, 2, 677.	3.4	43
50	Spaced Learning Enhances Episodic Memory by Increasing Neural Pattern Similarity Across Repetitions. Journal of Neuroscience, 2019, 39, 5351-5360.	3.8	43
51	How age of acquisition influences brain architecture in bilinguals. Journal of Neurolinguistics, 2015, 36, 35-55.	1.1	42
52	Cerebral asymmetry in children when reading Chinese characters. Cognitive Brain Research, 2005, 24, 206-214.	3.1	39
53	Long-term experience with Chinese language shapes the fusiform asymmetry of English reading. NeuroImage, 2015, 110, 3-10.	4.4	39
54	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 realâ€world riskâ€taking. Human Brain Mapping, 2018, 39, 1555-1562.	3.7	39

#	Article	IF	Citations
55	Failure to utilize feedback causes decision-making deficits among excessive Internet gamers. Psychiatry Research, 2014, 219, 583-588.	3.4	37
56	Dissociated roles of the parietal and frontal cortices in the scope and control of attention during visual working memory. NeuroImage, 2017, 149, 210-219.	4.4	37
57	Cerebral Asymmetry in the Fusiform Areas Predicted the Efficiency of Learning a New Writing System. Journal of Cognitive Neuroscience, 2006, 18, 923-931.	2.5	36
58	Facilitating Memory for Novel Characters by Reducing Neural Repetition Suppression in the Left Fusiform Cortex. PLoS ONE, 2010, 5, e13204.	2.5	35
59	Resting-state functional connectivity and reading abilities in first and second languages. NeuroImage, 2014, 84, 546-553.	4.4	35
60	Transformative neural representations support long-term episodic memory. Science Advances, 2021, 7, eabg9715.	10.9	35
61	Cultural neurolinguistics. Progress in Brain Research, 2009, 178, 159-171.	3.9	34
62	Artificial Language Training Reveals the Neural Substrates Underlying Addressed and Assembled Phonologies. PLoS ONE, 2014, 9, e93548.	2.5	34
63	Fiber connectivity between the striatum and cortical and subcortical regions is associated with temperaments in Chinese males. NeuroImage, 2014, 89, 226-234.	4.4	34
64	Language-general and -specific white matter microstructural bases for reading. NeuroImage, 2014, 98, 435-441.	4.4	34
65	Common Neural Mechanisms Underlying Reversal Learning by Reward and Punishment. PLoS ONE, 2013, 8, e82169.	2.5	33
66	Native language experience shapes neural basis of addressed and assembled phonologies. NeuroImage, 2015, 114, 38-48.	4.4	31
67	Neural Global Pattern Similarity Underlies True and False Memories. Journal of Neuroscience, 2016, 36, 6792-6802.	3.8	31
68	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
69	Effect of stress shot peening on the residual stress field and microstructure of nanostructured Mg-8Gd-3Y alloy. Journal of Materials Research and Technology, 2021, 10, 74-83.	5.9	29
70	Lexical learning in a new language leads to neural pattern similarity with word reading in native language. Human Brain Mapping, 2019, 40, 98-109.	3.7	28
71	The regional homogeneity patterns of the dorsal medial prefrontal cortex predict individual differences in decision impulsivity. NeuroImage, 2019, 200, 556-561.	4.4	28
72	Neurotensin Receptor 1 Gene (NTSR1) Polymorphism Is Associated with Working Memory. PLoS ONE, 2011, 6, e17365.	2.5	28

#	Article	IF	Citations
73	Multiple interactive memory representations underlie the induction of false memory. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3466-3475.	7.6	26
74	Neural substrates for forward and backward recitation of numbers and the alphabet: A close examination of the role of intraparietal sulcus and perisylvian areas. Brain Research, 2006, 1099, 109-120.	2.3	25
75	Neural mechanisms of the spacing effect in episodic memory: A parallel EEG and fMRI study. Cortex, 2015, 69, 76-92.	2.7	25
76	Neural pattern similarity underlies the mnemonic advantages for living words. Cortex, 2016, 79, 99-111.	2.7	25
77	Altered dynamics between neural systems sub-serving decisions for unhealthy food. Frontiers in Neuroscience, 2014, 8, 350.	2.9	24
78	Differential Neural Correlates Underlie Judgment of Learning and Subsequent Memory Performance. Frontiers in Psychology, 2015, 6, 1699.	2.3	23
79	Activation patterns of the dorsal medial prefrontal cortex and frontal pole predict individual differences in decision impulsivity. Brain Imaging and Behavior, 2021, 15, 421-429.	2.1	23
80	The Gamblerâ€™s Fallacy Is Associated with Weak Affective Decision Making but Strong Cognitive Ability. PLoS ONE, 2012, 7, e47019.	2.5	23
81	Distinct neural substrates for visual shortâ€term memory of actions. Human Brain Mapping, 2018, 39, 4119-4133.	3.7	22
82	Retrieval practice facilitates memory updating by enhancing and differentiating medial prefrontal cortex representations. ELife, 2020, 9, .	5.9	22
83	Sex-dependent neurofunctional predictors of long-term maintenance of visual word learning. Neuroscience Letters, 2008, 430, 87-91.	2.1	21
84	Learning to read words in a new language shapes the neural organization of the prior languages. Neuropsychologia, 2014, 65, 156-168.	1.7	21
85	Integrating fMRI with psychophysiological measurements in the study of decision making.. Journal of Neuroscience, Psychology, and Economics, 2011, 4, 85-94.	1.0	20
86	Processing of time within the prefrontal cortex: Recent time engages posterior areas whereas distant time engages anterior areas. NeuroImage, 2013, 72, 280-286.	4.4	20
87	Neural predictors of auditory word learning. NeuroReport, 2008, 19, 215-219.	1.2	19
88	Regional Homogeneity of Resting-State Brain Activity Suppresses the Effect of Dopamine-Related Genes on Sensory Processing Sensitivity. PLoS ONE, 2015, 10, e0133143.	2.5	19
89	It's a word: Early electrophysiological response to the character likeness of pictographs. Psychophysiology, 2011, 48, 950-959.	2.6	18
90	Sex determines which section of the SLC6A4 gene is linked to obsessiveâ€“compulsive symptoms in normal Chinese college students. Journal of Psychiatric Research, 2012, 46, 1153-1160.	3.2	18

#	Article	IF	Citations
91	Partitioning heritability analyses unveil the genetic architecture of human brain multidimensional functional connectivity patterns. Human Brain Mapping, 2020, 41, 3305-3317.	3.7	18
92	The SEMA5A gene is associated with hippocampal volume, and their interaction is associated with performance on Raven's Progressive Matrices. NeuroImage, 2014, 88, 181-187.	4.4	17
93	Effects of symbol type and numerical distance on the human event-related potential. Neuropsychologia, 2010, 48, 201-210.	1.7	15
94	The contribution of the left mid-fusiform cortical thickness to Chinese and English reading in a large Chinese sample. NeuroImage, 2013, 65, 250-256.	4.4	15
95	Alertness function of thalamus in conflict adaptation. NeuroImage, 2016, 132, 274-282.	4.4	15
96	Individual-specific and shared representations during episodic memory encoding and retrieval. NeuroImage, 2020, 217, 116909.	4.4	14
97	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
98	Interaction Effects of BDNF and COMT Genes on Resting-State Brain Activity and Working Memory. Frontiers in Human Neuroscience, 2016, 10, 540.	2.1	13
99	Neural processes during encoding support durable memory. NeuroImage, 2014, 88, 1-9.	4.4	12
100	Sex Differences in Fiber Connection between the Striatum and Subcortical and Cortical Regions. Frontiers in Computational Neuroscience, 2016, 10, 100.	2.2	12
101	Dissociable fronto-striatal functional networks predict choice impulsivity. Brain Structure and Function, 2020, 225, 2377-2386.	2.4	12
102	Crossmodal Congruency Enhances Performance of Healthy Older Adults in Visual-Tactile Pattern Matching. Frontiers in Aging Neuroscience, 2020, 12, 74.	3.5	12
103	The coupling of BOLD signal variability and degree centrality underlies cognitive functions and psychiatric diseases. NeuroImage, 2021, 237, 118187.	4.4	12
104	Genotypes over-represented among college students are linked to better cognitive abilities and socioemotional adjustment. Culture and Brain, 2013, 1, 47-63.	0.5	11
105	Pilot-scale brewing using self-cloning bottom-fermenting yeast with highSSU1expression. Journal of the Institute of Brewing, 2013, 119, 17-22.	2.3	11
106	The GABRB1 gene is associated with thalamus volume and modulates the association between thalamus volume and intelligence. NeuroImage, 2014, 102, 756-763.	4.4	11
107	The Motivation-Based Promotion of Proactive Control: The Role of Salience Network. Frontiers in Human Neuroscience, 2018, 12, 328.	2.1	11
108	Parental warmth interacts with several genes to affect executive function components: a genome-wide environment interaction study. BMC Genetics, 2020, 21, 11.	2.7	11

#	Article	IF	Citations
109	A cognitive neurogenetic approach to uncovering the structure of executive functions. Nature Communications, 2022, 13, .	13.2	11
110	Agency Modulates the Lateral and Medial Prefrontal Cortex Responses in Belief-Based Decision Making. PLoS ONE, 2013, 8, e65274.	2.5	10
111	Neural Pattern Similarity in the Left IFG and Fusiform Is Associated with Novel Word Learning. Frontiers in Human Neuroscience, 2017, 11, 424.	2.1	10
112	Intrinsic non-hub connectivity predicts human inter-temporal decision-making. Brain Imaging and Behavior, 2021, 15, 2005-2016.	2.1	10
113	The NTSR1 gene modulates the association between hippocampal structure and working memory performance. NeuroImage, 2013, 75, 79-86.	4.4	9
114	Associations between the CNTNAP2 gene, dorsolateral prefrontal cortex, and cognitive performance on the Stroop task. Neuroscience, 2017, 343, 21-29.	2.4	8
115	Anodal transcranial direct current stimulation over the left temporoparietal cortex facilitates assembled phonology. Trends in Neuroscience and Education, 2017, 8-9, 10-17.	3.2	8
116	The neuroanatomical basis of the Gambler's fallacy: A univariate and multivariate morphometric study. Human Brain Mapping, 2019, 40, 967-975.	3.7	8
117	On K-â„™-subnormal subgroups of finite groups. Mathematical Notes, 2014, 95, 471-480.	0.5	7
118	Higher-dimensional neural representations predict better episodic memory. Science Advances, 2022, 8, eabm3829.	10.9	7
119	Statistical methods and challenges in connectome genetics. Statistics and Probability Letters, 2018, 136, 83-86.	0.8	6
120	Hippocampal Representations of Event Structure and Temporal Context during Episodic Temporal Order Memory. Cerebral Cortex, 2022, 32, 1520-1534.	3.2	6
121	Editorial: Cross-Modal Learning: Adaptivity, Prediction and Interaction. Frontiers in Neurorobotics, 2022, 16, 889911.	2.9	4
122	What makes written words so special to the brain?. Frontiers in Human Neuroscience, 2014, 8, 634.	2.1	3
123	CPNE3 moderates the association between anxiety and working memory. Scientific Reports, 2021, 11, 6891.	3.4	3
124	Intersubject similarity in neural representations underlies shared episodic memory content. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.6	3
125	Reduced frontal white matter microstructure in healthy older adults with low tactile recognition performance. Scientific Reports, 2021, 11, 11689.	3.4	2
126	Spatial Independent Component Analysis of Multitask-Related Activation in fMRI Data. Lecture Notes in Computer Science, 2003, , 515-522.	1.0	2

#	Article	IF	Citations
127	Striatum-Centered Fiber Connectivity Is Associated with the Personality Trait of Cooperativeness. PLoS ONE, 2016, 11, e0162160.	2.5	2
128	Dynamic changes in neural representations underlie the repetition effect on false memory. NeuroImage, 2022, 259, 119442.	4.4	2
129	Cavity Flow Control in a Low-Speed Tunnel in Preparation for Flight Test. , 2019, , .		0
130	Associating the old with the new. ELife, 0, 11, .	5.9	0
131	Goal-directed attention transforms both working and long-term memory representations in the human parietal cortex. PLoS Biology, 2024, 22, e3002721.	5.4	0
132	Maintenance and transformation of representational formats during working memory prioritization. Nature Communications, 2024, 15, .	13.2	0
133	Genetic Polymorphism and Differentiation of Populations of Sterlet Acipenser ruthenus (Acipenseridae) in the Lower Irtysh and Middle Ob Basins. Inland Water Biology, 2024, 17, 628-637.	0.8	0