

Jinglei Lv

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

2,086
citations

331259

21
h-index

301761

39
g-index

122
all docs

122
docs citations

122
times ranked

2039
citing authors

#	ARTICLE	IF	CITATIONS
1	Sparse representation of whole-brain fMRI signals for identification of functional networks. <i>Medical Image Analysis</i> , 2015, 20, 112-134.	7.0	181
2	Holistic Atlases of Functional Networks and Interactions Reveal Reciprocal Organizational Architecture of Cortical Function. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 1120-1131.	2.5	134
3	Functional Magnetic Resonance Imaging-guided Personalization of Transcranial Magnetic Stimulation Treatment for Depression. <i>JAMA Psychiatry</i> , 2021, 78, 337.	6.0	121
4	Axonal Fiber Terminations Concentrate on Gyri. <i>Cerebral Cortex</i> , 2012, 22, 2831-2839.	1.6	116
5	Fusing DTI and fMRI data: A survey of methods and applications. <i>NeuroImage</i> , 2014, 102, 184-191.	2.1	108
6	Personalized connectivity-guided <sc>DLPFC</sc>TMS for depression: Advancing computational feasibility, precision and reproducibility. <i>Human Brain Mapping</i> , 2021, 42, 4155-4172.	1.9	88
7	Individual deviations from normative models of brain structure in a large cross-sectional schizophrenia cohort. <i>Molecular Psychiatry</i> , 2021, 26, 3512-3523.	4.1	78
8	Characterizing and differentiating task-based and resting state fMRI signals via two-stage sparse representations. <i>Brain Imaging and Behavior</i> , 2016, 10, 21-32.	1.1	68
9	Sparse representation of <sc>HC</sc> grayordinate data reveals novel functional architecture of cerebral cortex. <i>Human Brain Mapping</i> , 2015, 36, 5301-5319.	1.9	65
10	Supervised Dictionary Learning for Inferring Concurrent Brain Networks. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 2036-2045.	5.4	61
11	Latent source mining in FMRI via restricted Boltzmann machine. <i>Human Brain Mapping</i> , 2018, 39, 2368-2380.	1.9	55
12	Experimental Comparisons of Sparse Dictionary Learning and Independent Component Analysis for Brain Network Inference From fMRI Data. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 289-299.	2.5	54
13	Large-Scale Evidence for an Association Between Peripheral Inflammation and White Matter Free Water in Schizophrenia and Healthy Individuals. <i>Schizophrenia Bulletin</i> , 2021, 47, 542-551.	2.3	47
14	Effective connectivity of the anterior hippocampus predicts recollection confidence during natural memory retrieval. <i>Nature Communications</i> , 2018, 9, 4875.	5.8	46
15	Task fMRI data analysis based on supervised stochastic coordinate coding. <i>Medical Image Analysis</i> , 2017, 38, 1-16.	7.0	41
16	Brain-behavior patterns define a dimensional biotype in medication-naïve adults with attention-deficit hyperactivity disorder. <i>Psychological Medicine</i> , 2018, 48, 2399-2408.	2.7	37
17	Temporal Dynamics Assessment of Spatial Overlap Pattern of Functional Brain Networks Reveals Novel Functional Architecture of Cerebral Cortex. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 1183-1192.	2.5	34
18	Assessing effects of prenatal alcohol exposure using group-wise sparse representation of fMRI data. <i>Psychiatry Research - Neuroimaging</i> , 2015, 233, 254-268.	0.9	32

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19	Visual analytics of brain networks. <i>NeuroImage</i> , 2012, 61, 82-97.	2.1	31
20	Characterization of task-free and task-performance brain states via functional connectome patterns. <i>Medical Image Analysis</i> , 2013, 17, 1106-1122.	7.0	30
21	Cell type-specific manifestations of cortical thickness heterogeneity in schizophrenia. <i>Molecular Psychiatry</i> , 2022, 27, 2052-2060.	4.1	29
22	Connectome-scale group-wise consistent resting-state network analysis in autism spectrum disorder. <i>NeuroImage: Clinical</i> , 2016, 12, 23-33.	1.4	27
23	Bridging low-level features and high-level semantics via fMRI brain imaging for video classification. , 2010, , .		25
24	Spatio-temporal modeling of connectome-scale brain network interactions via time-evolving graphs. <i>NeuroImage</i> , 2018, 180, 350-369.	2.1	23
25	Modeling Hierarchical Brain Networks via Volumetric Sparse Deep Belief Network. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 1739-1748.	2.5	22
26	fMRI Signal Analysis Using Empirical Mean Curve Decomposition. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 42-54.	2.5	21
27	A prospective cohort study of prodromal Alzheimer's disease: Prospective Imaging Study of Ageing: Genes, Brain and Behaviour (PISA). <i>NeuroImage: Clinical</i> , 2021, 29, 102527.	1.4	19
28	Latent source mining in FMRI data via deep neural network. , 2016, , .		17
29	Sparsity-Constrained fMRI Decoding of Visual Saliency in Naturalistic Video Streams. <i>IEEE Transactions on Autonomous Mental Development</i> , 2015, 7, 65-75.	2.3	15
30	Decoding Auditory Saliency from Brain Activity Patterns during Free Listening to Naturalistic Audio Excerpts. <i>Neuroinformatics</i> , 2018, 16, 309-324.	1.5	14
31	Regional brain volume predicts response to methylphenidate treatment in individuals with ADHD. <i>BMC Psychiatry</i> , 2021, 21, 26.	1.1	14
32	Centering inclusivity in the design of online conferences"An OHBM"Open Science perspective. <i>GigaScience</i> , 2021, 10, .	3.3	14
33	HAFNI-enabled largescale platform for neuroimaging informatics (HELPNI). <i>Brain Informatics</i> , 2015, 2, 225-238.	1.8	13
34	Sparse Representation of Higher-Order Functional Interaction Patterns in Task-Based FMRI Data. <i>Lecture Notes in Computer Science</i> , 2013, 16, 626-634.	1.0	13
35	Fiber-Centered Analysis of Brain Connectivities Using DTI and Resting State FMRI Data. <i>Lecture Notes in Computer Science</i> , 2010, 13, 143-150.	1.0	12
36	Anatomy-Guided Dense Individualized and Common Connectivity-Based Cortical Landmarks (A-DICCCOL). <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 1108-1119.	2.5	12

#	ARTICLE	IF	CITATIONS
37	What Makes a Good Movie Trailer?. , 2016, , .		12
38	Extendable supervised dictionary learning for exploring diverse and concurrent brain activities in task-based fMRI. Brain Imaging and Behavior, 2018, 12, 743-757.	1.1	12
39	Modeling spatio-temporal patterns of holistic functional brain networks via multi-head guided attention graph neural networks (Multi-Head GAGNNs). Medical Image Analysis, 2022, 80, 102518.	7.0	12
40	Identifying and Characterizing Resting State Networks in Temporally Dynamic Functional Connectomes. Brain Topography, 2014, 27, 747-765.	0.8	11
41	Signal sampling for efficient sparse representation of resting state FMRI data. Brain Imaging and Behavior, 2016, 10, 1206-1222.	1.1	11
42	Altered resting functional connectivity patterns associated with problematic substance use and substance use disorders during adolescence. Journal of Affective Disorders, 2021, 279, 599-608.	2.0	11
43	Network Analysis of Symptom Comorbidity in Schizophrenia: Relationship to Illness Course and Brain White Matter Microstructure. Schizophrenia Bulletin, 2021, 47, 1156-1167.	2.3	10
44	Spatiotemporal Attention Autoencoder (STAAE) for ADHD Classification. Lecture Notes in Computer Science, 2020, , 508-517.	1.0	10
45	Exploring functional brain dynamics via a Bayesian connectivity change point model. , 2014, , .		9
46	The effects of lutein and zeaxanthin on resting state functional connectivity in older Caucasian adults: a randomized controlled trial. Brain Imaging and Behavior, 2020, 14, 668-681.	1.1	9
47	Sparse Representation of Group-Wise FMRI Signals. Lecture Notes in Computer Science, 2013, 16, 608-616.	1.0	9
48	FOD-Net: A deep learning method for fiber orientation distribution angular super resolution. Medical Image Analysis, 2022, 79, 102431.	7.0	9
49	Transcriptome Architecture of Adult Mouse Brain Revealed by Sparse Coding of Genome-Wide In Situ Hybridization Images. Neuroinformatics, 2017, 15, 285-295.	1.5	8
50	Multiple-demand system identification and characterization via sparse representations of fMRI data. , 2016, , .		7
51	Discover mouse gene coexpression landscapes using dictionary learning and sparse coding. Brain Structure and Function, 2017, 222, 4253-4270.	1.2	7
52	Activated Fibers: Fiber-Centered Activation Detection in Task-Based FMRI. Lecture Notes in Computer Science, 2011, 22, 574-587.	1.0	7
53	<scp>Multi-timepoint</scp> pattern analysis: Influence of personality and behavior on decoding context-dependent brain connectivity dynamics. Human Brain Mapping, 2022, 43, 1403-1418.	1.9	7
54	Identifying functional networks via sparse coding of whole brain FMRI signals. , 2013, , .		6

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55	Generalized fMRI activation detection via Bayesian magnitude change point model. , 2014, , .		6
56	Deriving ADHD biomarkers with sparse coding based network analysis. , 2015, , .		6
57	3-D functional brain network classification using Convolutional Neural Networks. , 2017, , .		6
58	Assessing the effects of cocaine dependence and pathological gambling using group-wise sparse representation of natural stimulus fMRI data. Brain Imaging and Behavior, 2017, 11, 1179-1191.	1.1	6
59	Exploring intrinsic networks and their interactions using group wise temporal sparse coding. , 2018, , .		6
60	Intelligence moderates the relationship between age and inter-connectivity of resting state networks in older adults. Neurobiology of Aging, 2019, 78, 121-129.	1.5	6
61	Associations Between Delay Discounting and Connectivity of the Valuation-control System in Healthy Young Adults. Neuroscience, 2021, 452, 295-310.	1.1	6
62	Exploring Functional Difference Between Gyri and Sulci via Region-Specific 1D Convolutional Neural Networks. Lecture Notes in Computer Science, 2020, , 250-259.	1.0	6
63	Resting State fMRI-Guided Fiber Clustering. Lecture Notes in Computer Science, 2011, 14, 149-156.	1.0	6
64	Deep Feature Mining via the Attention-Based Bidirectional Long Short Term Memory Graph Convolutional Neural Network for Human Motor Imagery Recognition. Frontiers in Bioengineering and Biotechnology, 2021, 9, 706229.	2.0	6
65	Gyral hinges account for the highest cost and the highest communication capacity in a corticocortical network. Cerebral Cortex, 2022, 32, 3359-3376.	1.6	6
66	Assessing the dynamics on functional brain networks using spectral graphy theory. , 2011, , .		5
67	Decoding Auditory Saliency from fMRI Brain Imaging. , 2014, , .		5
68	Sparse coding reveals greater functional connectivity in female brains during naturalistic emotional experience. PLoS ONE, 2017, 12, e0190097.	1.1	5
69	White Matter Alterations Between Brain Network Hubs Underlie Processing Speed Impairment in Patients With Schizophrenia. Schizophrenia Bulletin Open, 2021, 2, sgab033.	0.9	5
70	Control energy assessment of spatial interactions among ϵ -scale brain networks. Human Brain Mapping, 2022, 43, 2181-2203.	1.9	5
71	Integrating group-wise functional brain activities via point processes. , 2014, , .		4
72	A linear model for characterization of synchronization frequencies of neural networks. Cognitive Neurodynamics, 2014, 8, 55-69.	2.3	4

#	ARTICLE	IF	CITATIONS
73	Modeling resting state fMRI data via longitudinal supervised stochastic coordinate coding. , 2018, , .		4
74	Group-Wise FMRI Activation Detection on DICCCOL Landmarks. Neuroinformatics, 2014, 12, 513-534.	1.5	3
75	Signal sampling for efficient sparse representation of resting state FMRI data. , 2015, , .		3
76	Identifying autism biomarkers in default mode network using sparse representation of resting-state fMRI data. , 2016, , .		3
77	Decoding dynamic auditory attention during naturalistic experience. , 2017, , .		3
78	Joint representation of connectome-scale structural and functional profiles for identification of consistent cortical landmarks in macaque brain. Brain Imaging and Behavior, 2019, 13, 1427-1443.	1.1	3
79	Supervised Brain Network Learning Based on Deep Recurrent Neural Networks. IEEE Access, 2020, 8, 69967-69978.	2.6	3
80	Longitudinal Analysis of Brain Recovery after Mild Traumatic Brain Injury Based on Groupwise Consistent Brain Network Clusters. Lecture Notes in Computer Science, 2015, , 194-201.	1.0	3
81	Modeling Functional Dynamics of Cortical Gyri and Sulci. Lecture Notes in Computer Science, 2016, , 19-27.	1.0	3
82	Discovering Functional Brain Networks with 3D Residual Autoencoder (ResAE). Lecture Notes in Computer Science, 2020, , 498-507.	1.0	3
83	Dynamic network partition via Bayesian connectivity bi-partition change point model. , 2014, , .		2
84	Group-wise sparse representation of brain states reveal network abnormalities in mild traumatic brain injury. , 2016, , .		2
85	A novel framework for groupwise registration of fMRI images based on common functional networks. , 2017, 2017, 485-489.		2
86	Functional brain networks reconstruction using group sparsity-regularized learning. Brain Imaging and Behavior, 2018, 12, 758-770.	1.1	2
87	Valuation system connectivity is correlated with poly-drug use in young adults. Neuroscience Research, 2021, 173, 114-120.	1.0	2
88	Modeling Cognitive Processes via Multi-stage Consistent Functional Response Detection. Lecture Notes in Computer Science, 2013, , 180-188.	1.0	2
89	N-way Decomposition: Towards Linking Concurrent EEG and fMRI Analysis During Natural Stimulus. Lecture Notes in Computer Science, 2017, , 382-389.	1.0	2
90	Neural Architecture Search for Optimization of Spatial-Temporal Brain Network Decomposition. Lecture Notes in Computer Science, 2020, , 377-386.	1.0	2

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91	A Novel fMRI Representation Learning Framework with GAN. Lecture Notes in Computer Science, 2020, , 21-29.	1.0	2
92	Activated cliques: Network-based activation detection in task-based FMRI. , 2013, , .		1
93	Group-wise change point detection in task FMRI data by Bayesian methods. , 2013, , .		1
94	Learning fMRI-guided predictor of video shot changes. , 2014, , .		1
95	A data-driven method to study brain structural connectivities via joint analysis of microarray data and dMRI data. , 2016, , .		1
96	Identifying group-wise consistent sub-networks via spatial sparse representation of natural stimulus FMRI data. , 2016, , .		1
97	Inter-subject fMRI registration based on functional networks. , 2017, , .		1
98	A Multi-stage Sparse Coding Framework to Explore the Effects of Prenatal Alcohol Exposure. Lecture Notes in Computer Science, 2016, , 28-36.	1.0	1
99	Group-wise connection activation detection based on DICCCOL. , 2014, , .		0
100	Discovering network-level functional interactions from working memory fMRI data. , 2014, , .		0
101	Characterizing and differentiating task-based and resting state FMRI signals via two-stage dictionary learning. , 2015, , .		0
102	Multiscale and multimodal fusion of tract-tracing and DTI-derived fibers in macaque brains. , 2015, , .		0
103	Exploring auditory network composition during free listening to audio excerpts via group-wise sparse representation. , 2016, , .		0
104	Modeling functional network dynamics via multi-scale dictionary learning and network continuums. , 2016, , .		0
105	Discover Mouse Gene Coexpression Landscape Using Dictionary Learning and Sparse Coding. Lecture Notes in Computer Science, 2016, , 63-71.	1.0	0
106	Identification of Cortical Landmarks Based on Consistent Connectivity to Subcortical Structures. Lecture Notes in Computer Science, 2011, , 68-75.	1.0	0
107	Anatomy-Guided Discovery of Large-Scale Consistent Connectivity-Based Cortical Landmarks. Lecture Notes in Computer Science, 2013, 16, 617-625.	1.0	0
108	Group-Wise FMRI Activation Detection on Corresponding Cortical Landmarks. Lecture Notes in Computer Science, 2013, 16, 665-673.	1.0	0

#	ARTICLE	IF	CITATIONS
109	Group-Wise Optimization of Common Brain Landmarks with Joint Structural and Functional Regulations. Lecture Notes in Computer Science, 2014, 17, 716-723.	1.0	0
110	Exploring Brain Networks via Structured Sparse Representation of fMRI Data. Lecture Notes in Computer Science, 2016, , 55-62.	1.0	0
111	Gyrar Growth Patterns of Macaque Brains Revealed by Scattered Orthogonal Nonnegative Matrix Factorization. Lecture Notes in Computer Science, 2020, , 394-403.	1.0	0