Shi-Jiang Li

List of Publications by Year
in descending order

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Version: 2024-02-01

84 papers	6,590 citations	94381 37 h-index	76872 74 g-index

106 all docs	106 docs citations	106 times ranked	8958 citing authors

#	Article	IF	Citations
1	Toward discovery science of human brain function. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4734-4739.	3.3	2,703
2	Alzheimer Disease: Evaluation of a Functional MR Imaging Index as a Marker. Radiology, 2002, 225, 253-259.	3.6	268
3	Classification of Alzheimer Disease, Mild Cognitive Impairment, and Normal Cognitive Status with Large-Scale Network Analysis Based on Resting-State Functional MR Imaging. Radiology, 2011, 259, 213-221.	3.6	245
4	Neural responses to acute cocaine administration in the human brain detected by fMRI. NeuroImage, 2005, 28, 904-914.	2.1	159
5	Cocaine administration decreases functional connectivity in human primary visual and motor cortex as detected by functional MRI. Magnetic Resonance in Medicine, 2000, 43, 45-51.	1.9	156
6	Abnormal insula functional network is associated with episodic memory decline in amnestic mild cognitive impairment. NeuroImage, 2012, 63, 320-327.	2.1	150
7	Differential Effects of Deep Sedation with Propofol on the Specific and Nonspecific Thalamocortical Systems. Anesthesiology, 2013, 118, 59-69.	1.3	127
8	Repeated N-Acetyl Cysteine Reduces Cocaine Seeking in Rodents and Craving in Cocaine-Dependent Humans. Neuropsychopharmacology, 2011, 36, 871-878.	2.8	125
9	Differentiation of metabolic concentrations between gray matter and white matter of human brain by invivo1H magnetic resonance spectroscopy. Magnetic Resonance in Medicine, 1998, 39, 28-33.	1.9	114
10	Spatial correlations of laminar BOLD and CBV responses to rat whisker stimulation with neuronal activity localized by Fos expression. Magnetic Resonance in Medicine, 2004, 52, 1060-1068.	1.9	114
11	Propofol disrupts functional interactions between sensory and highâ€order processing of auditory verbal memory. Human Brain Mapping, 2012, 33, 2487-2498.	1.9	111
12	Changes in regional cerebral blood flow and functional connectivity in the cholinergic pathway associated with cognitive performance in subjects with mild Alzheimer's disease after 12-week donepezil treatment. NeuroImage, 2012, 60, 1083-1091.	2.1	98
13	Identification of hyperactive intrinsic amygdala network connectivity associated with impulsivity in abstinent heroin addicts. Behavioural Brain Research, 2011, 216, 639-646.	1.2	92
14	A method to determine the necessity for global signal regression in restingâ€state fMRI studies. Magnetic Resonance in Medicine, 2012, 68, 1828-1835.	1.9	89
15	Levo-tetrahydropalmatine attenuates cocaine self-administration and cocaine-induced reinstatement in rats. Psychopharmacology, 2007, 192, 581-591.	1.5	86
16	Recovery of hippocampal network connectivity correlates with cognitive improvement in mild alzheimer's disease patients treated with donepezil assessed by restingâ€state fMRI. Journal of Magnetic Resonance Imaging, 2011, 34, 764-773.	1.9	79
17	Negative Functional Connectivity and Its Dependence on the Shortest Path Length of Positive Network in the Resting-State Human Brain. Brain Connectivity, 2011, 1, 195-206.	0.8	78
18	Dynamic neural responses to cueâ€reactivity paradigms in heroinâ€dependent users: An fMRI study. Human Brain Mapping, 2009, 30, 766-775.	1.9	73

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19	Characterization of effects of mean arterial blood pressure induced by cocaine and cocaine methiodide on BOLD signals in rat brain. Magnetic Resonance in Medicine, 2003, 49, 264-270.	1.9	70
20	Medication ofl-tetrahydropalmatine significantly ameliorates opiate craving and increases the abstinence rate in heroin users: a pilot study¹. Acta Pharmacologica Sinica, 2008, 29, 781-788.	2.8	67
21	Transient relationships among BOLD, CBV, and CBF changes in rat brain as detected by functional MRI. Magnetic Resonance in Medicine, 2002, 48, 987-993.	1.9	64
22	Modular reorganization of brain resting state networks and its independent validation in Alzheimer's disease patients. Frontiers in Human Neuroscience, 2013, 7, 456.	1.0	64
23	Opposite Neural Trajectories of Apolipoprotein E Ïµ4 and Ïµ2 Alleles with Aging Associated with Different Risks of Alzheimer's Disease. Cerebral Cortex, 2016, 26, 1421-1429.	1.6	61
24	Expectation Modulates Human Brain Responses to Acute Cocaine: A Functional Magnetic Resonance Imaging Study. Biological Psychiatry, 2008, 63, 222-230.	0.7	58
25	Evaluation of Whole-Brain Resting-State Functional Connectivity in Spinal Cord Injury: A Large-Scale Network Analysis Using Network-Based Statistic. Journal of Neurotrauma, 2017, 34, 1278-1282.	1.7	57
26	Alterations in Cortical Sensorimotor Connectivity following Complete Cervical Spinal Cord Injury: A Prospective Resting-State fMRI Study. PLoS ONE, 2016, 11, e0150351.	1.1	52
27	Functional Network Endophenotypes Unravel the Effects of Apolipoprotein E Epsilon 4 in Middle-Aged Adults. PLoS ONE, 2013, 8, e55902.	1.1	50
28	Disrupted small world topology and modular organisation of functional networks in late-life depression with and without amnestic mild cognitive impairment. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, 1097-1105.	0.9	49
29	Imbalanced hippocampal functional networks associated with remitted geriatric depression and apolipoprotein E Îµ4 allele in nondemented elderly: A preliminary study. Journal of Affective Disorders, 2014, 164, 5-13.	2.0	48
30	B0-fluctuation-induced temporal variation in EPI image series due to the disturbance of steady-state free precession. Magnetic Resonance in Medicine, 2000, 44, 758-765.	1.9	44
31	Levo-tetrahydropalmatine inhibits cocaine's rewarding effects: Experiments with self-administration and brain-stimulation reward in rats. Neuropharmacology, 2007, 53, 771-782.	2.0	44
32	Detection of glutamate/glutamine resonances by1H magnetic resonance spectroscopy at 0.5 tesla. Magnetic Resonance in Medicine, 1997, 37, 615-618.	1.9	43
33	Neural basis of the association between depressive symptoms and memory deficits in nondemented subjects: restingâ€state fMRI study. Human Brain Mapping, 2012, 33, 1352-1363.	1.9	43
34	Oral administration of levo-tetrahydropalmatine attenuates reinstatement of extinguished cocaine seeking by cocaine, stress or drug-associated cues in rats. Drug and Alcohol Dependence, 2011, 116, 72-79.	1.6	42
35	Nature of functional links in valuation networks differentiates impulsive behaviors between abstinent heroin-dependent subjects and nondrug-using subjects. NeuroImage, 2015, 115, 76-84.	2.1	42
36	Neural correlates of the interactive relationship between memory deficits and depressive symptoms in nondemented elderly: Resting fMRI study. Behavioural Brain Research, 2011, 219, 205-212.	1.2	41

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37	Propofol attenuates low-frequency fluctuations of resting-state fMRI BOLD signal in the anterior frontal cortex upon loss of consciousness. NeuroImage, 2017, 147, 295-301.	2.1	40
38	Levo-tetrahydropalmatine attenuates cocaine self-administration under a progressive-ratio schedule and cocaine discrimination in rats. Pharmacology Biochemistry and Behavior, 2010, 97, 310-316.	1.3	39
39	Scale-Free Functional Connectivity of the Brain Is Maintained in Anesthetized Healthy Participants but Not in Patients with Unresponsive Wakefulness Syndrome. PLoS ONE, 2014, 9, e92182.	1.1	39
40	Aberrant functional connectivity in Papez circuit correlates with memory performance in cognitively intact middle-aged APOE4 carriers. Cortex, 2014, 57, 167-176.	1.1	37
41	Intrinsic inter-network brain dysfunction correlates with symptom dimensions in late-life depression. Journal of Psychiatric Research, 2017, 87, 71-80.	1.5	37
42	GABAergic mechanisms of heroin-induced brain activation assessed with functional MRI. Magnetic Resonance in Medicine, 2002, 48, 838-843.	1.9	35
43	Effects of the coexistence of late-life depression and mild cognitive impairment on white matter microstructure. Journal of the Neurological Sciences, 2014, 338, 46-56.	0.3	35
44	Functional connectivity of the cortical swallowing network in humans. NeuroImage, 2013, 76, 33-44.	2.1	34
45	Staging Alzheimerâ€™s Disease Risk by Sequencing Brain Function and Structure, Cerebrospinal Fluid, and Cognition Biomarkers. Journal of Alzheimer's Disease, 2016, 54, 983-993.	1.2	33
46	Multiecho segmented EPI with z-shimmed background gradient compensation (MESBAC) pulse sequence for fMRI. Magnetic Resonance in Medicine, 2002, 48, 312-321.	1.9	32
47	Determination of Absolute Phosphate Metabolite Concentrations in RIF-1 Tumors in Vivo by31P-1H-2H NMR Spectroscopy Using Water as an Internal Intensity Reference. Magnetic Resonance in Medicine, 1992, 28, 105-121.	1.9	31
48	Late-life depression, mild cognitive impairment and hippocampal functional network architecture. NeuroImage: Clinical, 2013, 3, 311-320.	1.4	25
49	Amygdala network dysfunction in late-life depression phenotypes: Relationships with symptom dimensions. Journal of Psychiatric Research, 2015, 70, 121-129.	1.5	24
50	Theoretical noise model for oxygenation-sensitive magnetic resonance imaging. Magnetic Resonance in Medicine, 2005, 53, 1046-1054.	1.9	23
51	Decreased Effective Connectivity from Cortices to the Right Parahippocampal Gyrus in Alzheimer's Disease Subjects. Brain Connectivity, 2014, 4, 702-708.	0.8	23
52	Altered intrinsic hippocmapus declarative memory network and its association with impulsivity in abstinent heroin dependent subjects. Behavioural Brain Research, 2014, 272, 209-217.	1.2	22
53	The phase shift index for marking functional asynchrony in Alzheimer's disease patients using fMRI. Magnetic Resonance Imaging, 2008, 26, 379-392.	1.0	21
54	Increased precuneus connectivity during propofol sedation. Neuroscience Letters, 2014, 561, 18-23.	1.0	21

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55	Chronic pain in adults with sickle cell disease is associated with alterations in functional connectivity of the brain. PLoS ONE, 2019, 14, e0216994.	1.1	20
56	Predicting progression from mild cognitive impairment to Alzheimerâ€™s disease on an individual subject basis by applying the CARE index across different independent cohorts. Aging, 2019, 11, 2185-2201.	1.4	19
57	Fine-Grained Parcellation of Brain Connectivity Improves Differentiation of States of Consciousness During Graded Propofol Sedation. Brain Connectivity, 2017, 7, 373-381.	0.8	17
58	Large-Scale Network Analysis of Whole-Brain Resting-State Functional Connectivity in Spinal Cord Injury: A Comparative Study. Brain Connectivity, 2017, 7, 413-423.	0.8	17
59	Propofol Sedation Alters Perceptual and Cognitive Functions in Healthy Volunteers as Revealed by Functional Magnetic Resonance Imaging. Anesthesiology, 2019, 131, 254-265.	1.3	17
60	The Effect of Apolipoprotein E Îµ4 (APOE Îµ4) on Visuospatial Working Memory in Healthy Elderly and Amnestic Mild Cognitive Impairment Patients: An Event-Related Potentials Study. Frontiers in Aging Neuroscience, 2017, 9, 145.	1.7	16
61	Regional entropy of functional imaging signals varies differently in sensory and cognitive systems during propofol-modulated loss and return of behavioral responsiveness. Brain Imaging and Behavior, 2019, 13, 514-525.	1.1	16
62	Two-Axis Acceleration of Functional Connectivity Magnetic Resonance Imaging by Parallel Excitation of Phase-Tagged Slices and Half k-Space Acceleration. Brain Connectivity, 2011, 1, 81-90.	0.8	15
63	A clustering-based method to detect functional connectivity differences. NeuroImage, 2012, 61, 56-61.	2.1	14
64	Task-modulation of functional synchrony between spontaneous low-frequency oscillations in the human brain detected by fMRI. Magnetic Resonance in Medicine, 2006, 56, 41-50.	1.9	13
65	Effects of local irradiation on spin-lattice relaxation time of phosphate metabolites in mouse tumors monitored by31P magnetic resonance spectroscopy. Magnetic Resonance in Medicine, 1992, 23, 302-310.	1.9	12
66	Responses of dopaminergic, serotonergic and noradrenergic networks to acute levo-tetrahydropalmatine administration in naÃ¯ve rats detected at 9.4 T. Magnetic Resonance Imaging, 2012, 30, 261-270.	1.0	11
67	Peripheral blood pressure changes induced by dobutamine do not alter BOLD signals in the human brain. NeuroImage, 2006, 30, 745-752.	2.1	10
68	Momentum-weighted conjugate gradient descent algorithm for gradient coil optimization. Magnetic Resonance in Medicine, 2004, 51, 158-164.	1.9	9
69	Functional connectivity and structural analysis of trial spinal cord stimulation responders in failed back surgery syndrome. PLoS ONE, 2020, 15, e0228306.	1.1	7
70	Daily Pain Is Associated with Alterations in Functional Connectivity of the Brain on fMRI in Adults with Sickle Cell Disease. Blood, 2016, 128, 3656-3656.	0.6	5
71	Reducing cardiac noise in BOLD-weighted voxel time courses in an fMRI dataset by increasing TR and/or applying a crusher gradient in an EPI acquisition pulse. Magnetic Resonance in Medicine, 2001, 46, 629-629.	1.9	3
72	ICâ€Pâ€161: CHARACTERIZING STRUCTURAL BRAIN ALTERATIONS IN ALZHEIMER'S DISEASE PATIENTS WITH MACHINE LEARNING. Alzheimer's and Dementia, 2018, 14, P135.	0.4	2

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73	B0-fluctuation-induced temporal variation in EPI image series due to the disturbance of steady-state free precession. , 2000, 44, 758.		2
74	Processing the acute cocaine FMRI response in human brain with Bayesian source separation. , 2007, 17, 965-978.		1
75	ICâ€Pâ€024: EFFECTIVE CONNECTIVITY WITHIN THE LEFT AND RIGHT EXECUTIVE CONTROL NETWORKS IN MCI AND AD. Alzheimer's and Dementia, 2019, 15, P31.	0.4	1
76	Geodesic path differences in neural networks in the Alzheimer's disease connectome project. Alzheimer's and Dementia, 2020, 16, e047284.	0.4	1
77	Dysconnectivity of the amygdala and dorsal anterior cingulate cortex in drug-naive post-traumatic stress disorder. European Neuropsychopharmacology, 2021, 52, 84-93.	0.3	1
78	P3-223: THE ROLE OF MID-LIFE ADIPOSITY IN FUNCTIONAL BRAIN CONNECTIVITY. , 2014, 10, P712-P712.		0
79	ICâ€Pâ€123: INDIVIDUAL ESTIMATES OF ALZHEIMER'S DISEASE RISK ACROSS THE AGE SPECTRUM AND DISEASE CONTINUUM. Alzheimer's and Dementia, 2018, 14, P104.	0.4	0
80	P2â€366: EFFECTIVE CONNECTIVITY WITHIN THE DEFAULT MODE NETWORK IN MILD COGNITIVE IMPAIRMENT AND ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P833.	0.4	0
81	ICâ€Pâ€031: EFFECTIVE CONNECTIVITY WITHIN THE DEFAULT MODE NETWORK IN MILD COGNITIVE IMPAIRMENT AND ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P35.	0.4	0
82	P3â€342: INFLUENCE OF NETWORK CONSTRUCTION METHODS ON PATH LENGTH VALUES IN ALZHEIMER'S DISEASE: A MULTIâ€STUDY ANALYSIS OF MRI CONNECTIVITY STUDIES. Alzheimer's and Dementia, 2018, 14, P1214.	0.4	0
83	ICâ€Pâ€032: INFLUENCE OF NETWORK CONSTRUCTION METHODS ON PATH LENGTH VALUES IN ALZHEIMER'S DISEASE: A MULTIâ€STUDY ANALYSIS OF MRI CONNECTIVITY STUDIES. Alzheimer's and Dementia, 2018, 14, P36.	0.4	0
84	Functional Connectivity Magnetic Resonance Imaging Reveals Rapid and Reversible Changes in the Brain Following Induction of Psoriasiform Dermatitis in Mice. Journal of Psoriasis and Psoriatic Arthritis, 2018, 3, 59-64.	0.3	0