

Binbin Nie

List of Publications by Year in descending order

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59
papers

1,282
citations

516710

16
h-index

395702

33
g-index

59
all docs

59
docs citations

59
times ranked

2225
citing authors

#	ARTICLE	IF	CITATIONS
1	Cerebral and cerebellar gray matter reduction in first-episode patients with major depressive disorder: A voxel-based morphometry study. <i>European Journal of Radiology</i> , 2011, 80, 395-399.	2.6	210
2	Altered functional connectivity of the dorsolateral prefrontal cortex in first-episode patients with major depressive disorder. <i>European Journal of Radiology</i> , 2012, 81, 4035-4040.	2.6	127
3	A rat brain MRI template with digital stereotaxic atlas of fine anatomical delineations in paxinos space and its automated application in voxel-wise analysis. <i>Human Brain Mapping</i> , 2013, 34, 1306-1318.	3.6	105
4	Effect of Acupuncture in Mild Cognitive Impairment and Alzheimer Disease: A Functional MRI Study. <i>PLoS ONE</i> , 2012, 7, e42730.	2.5	85
5	Abnormal Resting-State Activities and Functional Connectivities of the Anterior and the Posterior Cortexes in Medication-Naïve Patients with Obsessive-Compulsive Disorder. <i>PLoS ONE</i> , 2013, 8, e67478.	2.5	62
6	Learning and Memory Alterations Are Associated with Hippocampal N-acetylaspartate in a Rat Model of Depression as Measured by 1H-MRS. <i>PLoS ONE</i> , 2011, 6, e28686.	2.5	53
7	Delineation of Early and Later Adult Onset Depression by Diffusion Tensor Imaging. <i>PLoS ONE</i> , 2014, 9, e112307.	2.5	52
8	A Statistical Parametric Mapping Toolbox Used for Voxel-Wise Analysis of FDG-PET Images of Rat Brain. <i>PLoS ONE</i> , 2014, 9, e108295.	2.5	51
9	Effects of stress on behavior and resting-state fMRI in rats and evaluation of Telmisartan therapy in a stress-induced depression model. <i>BMC Psychiatry</i> , 2018, 18, 337.	2.6	27
10	Automatic method for tracing regions of interest in rat brain magnetic resonance imaging studies. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 830-835.	3.4	26
11	Adolescent escitalopram administration modifies neurochemical alterations in the hippocampus of maternally separated rats. <i>European Neuropsychopharmacology</i> , 2010, 20, 875-883.	0.7	22
12	A stereotaxic MRI template set of mouse brain with fine sub-anatomical delineations: Application to MEMRI studies of 5XFAD mice. <i>Magnetic Resonance Imaging</i> , 2019, 57, 83-94.	1.8	21
13	Rat brain digital stereotaxic white matter atlas with fine tract delineation in Paxinos space and its automated applications in DTI data analysis. <i>Magnetic Resonance Imaging</i> , 2017, 43, 122-128.	1.8	20
14	Dynamic Changes of Functional Neuronal Activities Between the Auditory Pathway and Limbic Systems Contribute to Noise-Induced Tinnitus with a Normal Audiogram. <i>Neuroscience</i> , 2019, 408, 31-45.	2.3	20
15	Functions of lactate in the brain of rat with intracerebral hemorrhage evaluated with MRI/MRS and in vitro approaches. <i>CNS Neuroscience and Therapeutics</i> , 2020, 26, 1031-1044.	3.9	20
16	Abnormal Metabolic Connectivity in Rats at the Acute Stage of Ischemic Stroke. <i>Neuroscience Bulletin</i> , 2018, 34, 715-724.	2.9	19
17	Sleeve Gastrectomy Recovering Disordered Brain Function in Subjects with Obesity: a Longitudinal fMRI Study. <i>Obesity Surgery</i> , 2018, 28, 2421-2428.	2.1	18
18	Structural and functional brain network of human retrosplenial cortex. <i>Neuroscience Letters</i> , 2018, 674, 24-29.	2.1	18

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19	Cerebral Responses to Acupuncture at GV24 and Bilateral GB13 in Rat Models of Alzheimer's Disease. <i>Behavioural Neurology</i> , 2018, 2018, 1-10.	2.1	17
20	Gray matter reduction related to decreased serum creatinine and increased triglyceride, Hemoglobin A1C, and low-density lipoprotein in subjects with obesity. <i>Neuroradiology</i> , 2019, 61, 703-710.	2.2	17
21	Elamipretide (SS-31) Improves Functional Connectivity in Hippocampus and Other Related Regions Following Prolonged Neuroinflammation Induced by Lipopolysaccharide in Aged Rats. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 600484.	3.4	16
22	Determining the Precise Cerebral Response to Acupuncture: An Improved fMRI Study. <i>PLoS ONE</i> , 2012, 7, e49154.	2.5	15
23	Magnetic resonance spectroscopy analysis of neurochemical changes in the atrophic hippocampus of APP/PS1 transgenic mice. <i>Behavioural Brain Research</i> , 2017, 335, 26-31.	2.2	15
24	An Automatic Method for Generating an Unbiased Intensity Normalizing Factor in Positron Emission Tomography Image Analysis After Stroke. <i>Neuroscience Bulletin</i> , 2018, 34, 833-841.	2.9	15
25	Subthreshold depression may exist on a spectrum with major depressive disorder: Evidence from gray matter volume and morphological brain network. <i>Journal of Affective Disorders</i> , 2020, 266, 243-251.	4.1	15
26	Altered regional and circuit resting-state activity in patients with occult spastic diplegic cerebral palsy. <i>Pediatrics and Neonatology</i> , 2018, 59, 345-351.	0.9	14
27	Detection of neural connections with ex vivo MRI using a ferritin-encoding trans-synaptic virus. <i>NeuroImage</i> , 2019, 197, 133-142.	4.2	13
28	Sleeve Gastrectomy Rescuing the Altered Functional Connectivity of Lateral but Not Medial Hypothalamus in Subjects with Obesity. <i>Obesity Surgery</i> , 2019, 29, 2191-2199.	2.1	12
29	Dynamic Changes in Brain Glucose Metabolism and Neuronal Structure in Rats with Heart Failure. <i>Neuroscience</i> , 2020, 424, 34-44.	2.3	12
30	Meranzin hydrate elicits antidepressant effects and restores reward circuitry. <i>Behavioural Brain Research</i> , 2021, 398, 112898.	2.2	12
31	Functionally Brain Network Connected to the Retrosplenial Cortex of Rats Revealed by 7T fMRI. <i>PLoS ONE</i> , 2016, 11, e0146535.	2.5	12
32	18F-FDG PET Study Reveals Brain Functional Changes During Attention in Rats. <i>Journal of Nuclear Medicine</i> , 2013, 54, 1969-1973.	5.0	11
33	Longitudinal neural connection detection using a ferritin-encoding adeno-associated virus vector and in vivo MRI method. <i>Human Brain Mapping</i> , 2021, 42, 5010-5022.	3.6	11
34	Assessment of cerebral glucose metabolism in patients with heart failure by 18F-FDG PET/CT imaging. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 476-488.	2.1	10
35	Functional magnetic resonance imaging reveals abnormal brain connectivity in EGR3 gene transfected rat model of schizophrenia. <i>Biochemical and Biophysical Research Communications</i> , 2015, 460, 678-683.	2.1	9
36	Modulation effect of substantia nigra iron deposition and functional connectivity on putamen glucose metabolism in Parkinson's disease. <i>Human Brain Mapping</i> , 2022, 43, 3735-3744.	3.6	9

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37	A human brain tau PET template in MNI space for the voxel-wise analysis of Alzheimer's disease. <i>Journal of Neuroscience Methods</i> , 2019, 328, 108438.	2.5	8
38	Changes in cerebral glucose metabolism after acupuncture at KI3 in spontaneously hypertensive rats: a positron emission tomography study. <i>Acupuncture in Medicine</i> , 2019, 37, 107-115.	1.0	8
39	Distinct relationships of amyloid-beta and tau deposition to cerebral glucose metabolic networks in Alzheimer's disease. <i>Neuroscience Letters</i> , 2020, 717, 134699.	2.1	8
40	Spatial Patterns of Whole Brain Grey and White Matter Injury in Patients with Occult Spastic Diplegic Cerebral Palsy. <i>PLoS ONE</i> , 2014, 9, e100451.	2.5	7
41	Quantitative assessment of cerebral gray matter density change in progressive supranuclear palsy using voxel based morphometry analysis and cerebral MR T1-weighted FLAIR imaging. <i>Journal of the Neurological Sciences</i> , 2015, 359, 367-372.	0.6	7
42	Stereotaxic 18F-FDG PET and MRI templates with three-dimensional digital atlas for statistical parametric mapping analysis of tree shrew brain. <i>Journal of Neuroscience Methods</i> , 2018, 293, 105-116.	2.5	7
43	Modular architecture of metabolic brain network and its effects on the spread of perturbation impact. <i>NeuroImage</i> , 2019, 186, 146-154.	4.2	7
44	Unified spatial normalization method of brain PET images using adaptive probabilistic brain atlas. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 3073-3085.	6.4	7
45	A population stereotaxic positron emission tomography brain template for the macaque and its application to ischemic model. <i>NeuroImage</i> , 2019, 203, 116163.	4.2	6
46	Simultaneous PET/fMRI revealed increased motor area input to subthalamic nucleus in Parkinson's disease. <i>Cerebral Cortex</i> , 2022, 33, 167-175.	2.9	6
47	Reconfigured metabolism brain network in asymptomatic microtubule-associated protein tau mutation carriers: a graph theoretical analysis. <i>Alzheimer's Research and Therapy</i> , 2022, 14, 52.	6.2	6
48	The negative correlation between energy consumption and communication efficiency in motor network. <i>Nuclear Medicine Communications</i> , 2019, 40, 499-507.	1.1	3
49	ARMBIS: accurate and robust matching of brain image sequences from multiple modal imaging techniques. <i>Bioinformatics</i> , 2019, 35, 5281-5289.	4.1	2
50	Altered glucose metabolism of the olfactory-related cortices in anosmia patients with traumatic brain injury. <i>European Archives of Oto-Rhino-Laryngology</i> , 2021, 278, 4813-4821.	1.6	2
51	Twirling reinforcing-reducing manipulation-central mechanism underlying antihypertensive effect on spontaneous hypertension in rats. <i>Journal of Traditional Chinese Medicine</i> , 2018, 38, 391-398.	0.2	2
52	Deep Learning With 18F-Fluorodeoxyglucose-PET Gives Valid Diagnoses for the Uncertain Cases in Memory Impairment of Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 764272.	3.4	2
53	Factors affecting the voxel-based analysis of diffusion tensor imaging. <i>Science Bulletin</i> , 2014, 59, 4077-4085.	1.7	1
54	Quantification of susceptibility change at high-concentrated SPIO-labeled target by characteristic phase gradient recognition. <i>Magnetic Resonance Imaging</i> , 2016, 34, 552-561.	1.8	1

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55	Early Non-invasive Detection of Acute 1,2-Dichloroethane-induced Toxic Encephalopathy in Rats. In <i>Vivo</i> , 2016, 30, 787-794.	1.3	1
56	Local linear regression-based unsupervised truth discovery. <i>Intelligent Data Analysis</i> , 2019, 23, 573-585.	0.9	0
57	Tau PET Distributional Pattern in AD Patients with Visuospatial Dysfunction. <i>Current Alzheimer Research</i> , 2019, 16, 1055-1062.	1.4	0
58	Variations of Brain Functional Connectivity in Alcohol-Preferring and Non-Preferring Rats with Consecutive Alcohol Training or Acute Alcohol Administration. <i>Brain Sciences</i> , 2021, 11, 1474.	2.3	0
59	Investigation of robust visual reaction and functional connectivity in the rat brain induced by rocuronium bromide with functional MRI. <i>American Journal of Translational Research (discontinued)</i> , 2020, 12, 2396-2408.	0.0	0