Yulin Ge

List of Publications by Year
in descending order

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88	6,922	93792 39	68831 81
papers	citations	h-index	g-index

101	101	101	8607
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparison of serum neurodegenerative biomarkers among hospitalized COVIDâ€19 patients versus nonâ€COVID subjects with normal cognition, mild cognitive impairment, or Alzheimer's dementia. Alzheimer's and Dementia, 2022, 18, 899-910.	0.4	87
2	Vascular mapping of the human hippocampus using Ferumoxytol-enhanced MRI. NeuroImage, 2022, 250, 118957.	2.1	6
3	Age-Related Tortuosity of Carotid and Vertebral Arteries: Quantitative Evaluation With MR Angiography. Frontiers in Neurology, 2022, 13, 858805.	1.1	10
4	Bloodâ€“brain barrier permeability in response to caffeine challenge. Magnetic Resonance in Medicine, 2022, 88, 2259-2266.	1.9	8
5	Bilateral Distance Partition of Periventricular and Deep White Matter Hyperintensities: Performance of the Method in the Aging Brain. Academic Radiology, 2021, 28, 1699-1708.	1.3	12
6	Performance Comparison of Compressed Sensing Algorithms for Accelerating T<sub>1Ï<sub> Mapping of Human Brain. Journal of Magnetic Resonance Imaging, 2021, 53, 1130-1139.	1.9	3
7	Functional connectivity of the default mode, dorsal attention and fronto-parietal executive control networks in glial tumor patients. Journal of Neuro-Oncology, 2021, 152, 347-355.	1.4	16
8	Noncontrast assessment of bloodâ€“brain barrier permeability to water: Shorter acquisition, testâ€“retest reproducibility, and comparison with contrastâ€based method. Magnetic Resonance in Medicine, 2021, 86, 143-156.	1.9	16
9	An Overview of Venous Abnormalities Related to the Development of Lesions in Multiple Sclerosis. Frontiers in Neurology, 2021, 12, 561458.	1.1	13
10	SuperDTI: Ultrafast DTI and fiber tractography with deep learning. Magnetic Resonance in Medicine, 2021, 86, 3334-3347.	1.9	26
11	Revealing vascular abnormalities and measuring small vessel density in multiple sclerosis lesions using USPIO. NeuroImage: Clinical, 2021, 29, 102525.	1.4	13
12	Editorial: Update on Vascular Contributions to Age-Related Neurodegenerative Diseases and Cognitive Impairment - Research of ISNVD 2020 Meeting. Frontiers in Neurology, 2021, 12, 797486.	1.1	1
13	Upright versus supine MRI: effects of body position on craniocervical CSF flow. Fluids and Barriers of the CNS, 2021, 18, 61.	2.4	13
14	Detecting sub-voxel microvasculature with USPIO-enhanced susceptibility-weighted MRI at 7ÂT. Magnetic Resonance Imaging, 2020, 67, 90-100.	1.0	13
15	Prevention and control of COVID-19 in neurointerventional surgery: expert consensus from the Chinese Federation of Interventional and Therapeutic Neuroradiology (CFITN) and the International Society for Neurovascular Disease (ISNVD). Journal of NeuroInterventional Surgery, 2020, 12, 658-663.	2.0	10
16	Subvoxel vascular imaging of the midbrain using USPIO-Enhanced MRI. NeuroImage, 2020, 220, 117106.	2.1	17
17	Inside Cover Image. NMR in Biomedicine, 2020, 33, e3986.	1.6	0
18	Longitudinal ultra-high field MRI of brain lesions in neuromyelitis optica spectrum disorders. Multiple Sclerosis and Related Disorders, 2020, 42, 102066.	0.9	4

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19	The capability of detecting small vessels beyond the conventional MRI sensitivity using ironâ€based contrast agent enhanced susceptibility weighted imaging. NMR in Biomedicine, 2020, 33, e4256.	1.6	9
20	Blood Perfusion and Cellular Microstructural Changes Associated With Iron Deposition in Multiple Sclerosis Lesions. Frontiers in Neurology, 2019, 10, 747.	1.1	6
21	Measurement of bloodâ€brain barrier permeability using dynamic contrastâ€enhanced magnetic resonance imaging with reduced scan time. Magnetic Resonance in Medicine, 2018, 80, 1686-1696.	1.9	7
22	Nonâ€contrast MR imaging of bloodâ€brain barrier permeability to water. Magnetic Resonance in Medicine, 2018, 80, 1507-1520.	1.9	56
23	Susceptibility weighted imaging and quantitative susceptibility mapping of the cerebral vasculature using ferumoxytol. Journal of Magnetic Resonance Imaging, 2018, 47, 621-633.	1.9	27
24	Longitudinal study of multiple sclerosis lesions using ultra-high field (7T) multiparametric MR imaging. PLoS ONE, 2018, 13, e0202918.	1.1	36
25	The impact of hyperoxia on brain activity: A resting-state and task-evoked electroencephalography (EEG) study. PLoS ONE, 2017, 12, e0176610.	1.1	14
26	MR Imaging Applications in Mild Traumatic Brain Injury: An Imaging Update. Radiology, 2016, 279, 693-707.	3.6	51
27	Neuromyelitis optica does not impact periventricular venous density versus healthy controls: a 7.0ÂTesla MRI clinical study. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 535-541.	1.1	9
28	MRI phase changes in multiple sclerosis vs neuromyelitis optica lesions at 7T. Neurology: Neuroimmunology and NeuroInflammation, 2016, 3, e259.	3.1	38
29	Cerebral blood flow modulation insufficiency in brain networks in multiple sclerosis: A hypercapnia MRI study. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 2087-2095.	2.4	46
30	Iron and Non-Iron-Related Characteristics of Multiple Sclerosis and Neuromyelitis Optica Lesions at 7T MRI. American Journal of Neuroradiology, 2016, 37, 1223-1230.	1.2	61
31	The influence of mild carbon dioxide on brain functional homotopy using restingâ€state fMRI. Human Brain Mapping, 2015, 36, 3912-3921.	1.9	26
32	Magnetic Resonance Phase Alterations in Multiple Sclerosis Patients with Short and Long Disease Duration. PLoS ONE, 2015, 10, e0128386.	1.1	16
33	Intracranial Relationship Between Arterioles and Venules Sizeâ€“Reply. JAMA Neurology, 2015, 72, 124.	4.5	0
34	Whole-BrainN-Acetylaspartate Concentration Is Preserved during Mild Hypercapnia Challenge. American Journal of Neuroradiology, 2015, 36, 2055-2061.	1.2	1
35	Characterization of thalamo-cortical association using amplitude and connectivity of functional MRI in mild traumatic brain injury. Journal of Magnetic Resonance Imaging, 2014, 39, spcone-spcone.	1.9	1
36	Characterization of thalamo-cortical association using amplitude and connectivity of functional MRI in mild traumatic brain injury. Journal of Magnetic Resonance Imaging, 2014, 39, 1558-1568.	1.9	72

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37	Impaired Cerebrovascular Reactivity in Multiple Sclerosis. JAMA Neurology, 2014, 71, 1275.	4.5	111
38	Imaging the Effects of Oxygen Saturation Changes in Voluntary Apnea and Hyperventilation on Susceptibility-Weighted Imaging. American Journal of Neuroradiology, 2014, 35, 1091-1095.	1.2	15
39	Classification algorithms using multiple MRI features in mild traumatic brain injury. Neurology, 2014, 83, 1235-1240.	1.5	31
40	Concurrent saturation transfer contrast in in vivo brain by a uniform magnetization transfer MRI. NeuroImage, 2014, 95, 22-28.	2.1	24
41	Vesselâ€specific quantification of blood oxygenation with T₂â€relaxationâ€underâ€phaseâ€contrast MRI. Magnetic Resonance in Medicine, 2014, 71, 978-989.	1.9	45
42	MRI Mapping of Cerebrovascular Reactivity via Gas Inhalation Challenges. Journal of Visualized Experiments, 2014, , .	0.2	57
43	Functional Homotopic Changes in Multiple Sclerosis with Resting-State Functional MR Imaging. American Journal of Neuroradiology, 2013, 34, 1180-1187.	1.2	38
44	Mild Traumatic Brain Injury: Longitudinal Regional Brain Volume Changes. Radiology, 2013, 267, 880-890.	3.6	200
45	Distinction of seropositive NMO spectrum disorder and MS brain lesion distribution. Neurology, 2013, 81, 1966-1966.	1.5	17
46	Ultrahigh-Field MR (7â€‰T) Imaging of Brain Lesions in Neuromyelitis Optica. Multiple Sclerosis International, 2013, 2013, 1-7.	0.4	57
47	Thalamus and Cognitive Impairment in Mild Traumatic Brain Injury: A Diffusional Kurtosis Imaging Study. Journal of Neurotrauma, 2012, 29, 2318-2327.	1.7	223
48	Default-Mode Network Disruption in Mild Traumatic Brain Injury. Radiology, 2012, 265, 882-892.	3.6	246
49	Characterizing Brain Oxygen Metabolism in Patients with Multiple Sclerosis with T2-Relaxation-Under-Spin-Tagging MRI. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 403-412.	2.4	92
50	Brain Iron Quantification in Mild Traumatic Brain Injury: A Magnetic Field Correlation Study. American Journal of Neuroradiology, 2011, 32, 1851-1856.	1.2	79
51	Thalamic Resting-State Functional Networks: Disruption in Patients with Mild Traumatic Brain Injury. Radiology, 2011, 260, 831-840.	3.6	189
52	Characterizing iron deposition in multiple sclerosis lesions using susceptibility weighted imaging. Journal of Magnetic Resonance Imaging, 2009, 29, 537-544.	1.9	288
53	Diminished visibility of cerebral venous vasculature in multiple sclerosis by susceptibilityâ€weighted imaging at 3.0 Tesla. Journal of Magnetic Resonance Imaging, 2009, 29, 1190-1194.	1.9	108
54	Measurement of deep gray matter perfusion using a segmented trueâ€“fast imaging with steadyâ€state precession (Trueâ€FISP) arterial spinâ€labeling (ASL) method at 3T. Journal of Magnetic Resonance Imaging, 2009, 29, 1425-1431.	1.9	14

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55	Noninvasive quantification of wholeâ€brain cerebral metabolic rate of oxygen (CMRO₂) by MRI. Magnetic Resonance in Medicine, 2009, 62, 141-148.	1.9	172
56	Assessment of thalamic perfusion in patients with mild traumatic brain injury by true FISP arterial spin labelling MR imaging at 3T. Brain Injury, 2009, 23, 666-674.	0.6	127
57	Quantitative evaluation of oxygenation in venous vessels using T2â€Relaxationâ€Underâ€Spinâ€Tagging MRI. Magnetic Resonance in Medicine, 2008, 60, 357-363.	1.9	291
58	Baseline blood oxygenation modulates response amplitude: Physiologic basis for intersubject variations in functional MRI signals. Magnetic Resonance in Medicine, 2008, 60, 364-372.	1.9	85
59	Quantitative measurement of spinal cord blood volume in humans using vascular-space-occupancy MRI. NMR in Biomedicine, 2008, 21, 226-232.	1.6	12
60	The Retina as a Window to the Brainâ€”Reply. Archives of Neurology, 2008, 65, 1548.	4.9	0
61	Seven-Tesla Magnetic Resonance Imaging. Archives of Neurology, 2008, 65, 812-6.	4.9	107
62	Quantitative Assessment of Iron Accumulation in the Deep Gray Matter of Multiple Sclerosis by Magnetic Field Correlation Imaging. American Journal of Neuroradiology, 2007, 28, 1639-1644.	1.2	129
63	Seeing Is Believing. Topics in Magnetic Resonance Imaging, 2006, 17, 295-306.	0.7	8
64	Applications of Diffusion Tensor MR Imaging in Multiple Sclerosis. Annals of the New York Academy of Sciences, 2005, 1064, 202-219.	1.8	88
65	Novel approach to the measurement of absolute cerebral blood volume using vascular-space-occupancy magnetic resonance imaging. Magnetic Resonance in Medicine, 2005, 54, 1403-1411.	1.9	105
66	Prominent perivenular spaces in multiple sclerosis as a sign of perivascular inflammation in primary demyelination. American Journal of Neuroradiology, 2005, 26, 2316-9.	1.2	39
67	Dynamic susceptibility contrast perfusion MR imaging of multiple sclerosis lesions: characterizing hemodynamic impairment and inflammatory activity. American Journal of Neuroradiology, 2005, 26, 1539-47.	1.2	117
68	Microvascular Abnormality in Relapsing-Remitting Multiple Sclerosis: Perfusion MR Imaging Findings in Normal-appearing White Matter. Radiology, 2004, 231, 645-652.	3.6	216
69	Preferential occult injury of corpus callosum in multiple sclerosis measured by diffusion tensor imaging. Journal of Magnetic Resonance Imaging, 2004, 20, 1-7.	1.9	84
70	Indirect evidence for early widespread gray matter involvement in relapsingâ€“remitting multiple sclerosis. NeuroImage, 2004, 21, 1825-1829.	2.1	92
71	Quantitative MRI. Topics in Magnetic Resonance Imaging, 2004, 15, 355-363.	0.7	41
72	Dirty-appearing white matter in multiple sclerosis: volumetric MR imaging and magnetization transfer ratio histogram analysis. American Journal of Neuroradiology, 2003, 24, 1935-40.	1.2	62

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73	Whole brain imaging of HIV-infected patients: quantitative analysis of magnetization transfer ratio histogram and fractional brain volume. American Journal of Neuroradiology, 2003, 24, 82-7.	1.2	28
74	Magnetization Transfer Ratio Histogram Analysis of Normal-Appearing Gray Matter and Normal-Appearing White Matter in Multiple Sclerosis. Journal of Computer Assisted Tomography, 2002, 26, 62-68.	0.5	86
75	Correlation between percentage of brain parenchymal volume and neurocognitive performance in HIV-infected patients. American Journal of Neuroradiology, 2002, 23, 543-9.	1.2	40
76	Age-related total gray matter and white matter changes in normal adult brain. Part I: volumetric MR imaging analysis. American Journal of Neuroradiology, 2002, 23, 1327-33.	1.2	360
77	Age-related total gray matter and white matter changes in normal adult brain. Part II: quantitative magnetization transfer ratio histogram analysis. American Journal of Neuroradiology, 2002, 23, 1334-41.	1.2	115
78	Multiprotocol MR Image Segmentation in Multiple Sclerosis. Academic Radiology, 2001, 8, 1116-1126.	1.3	29
79	Comparison between EPI and HASTE for ultra-fast MR imaging of the human brain. Neuroradiology, 2001, 43, 1046-1055.	1.1	6
80	Brain Atrophy in Relapsing-Remitting Multiple Sclerosis: Fractional Volumetric Analysis of Gray Matter and White Matter. Radiology, 2001, 220, 606-610.	3.6	97
81	<title>Multiprotocol MR image segmentation in multiple sclerosis: experience with over 1000 studies</title>. , 2000, 3979, 1017.		3
82	Numerical tissue characterization in MS via standardization of the MR image intensity scale. Journal of Magnetic Resonance Imaging, 2000, 12, 715-721.	1.9	38
83	Brain Atrophy in Relapsing-Remitting Multiple Sclerosis and Secondary Progressive Multiple Sclerosis: Longitudinal Quantitative Analysis. Radiology, 2000, 214, 665-670.	3.6	212
84	Usefulness of diffusion-weighted MRI with echo-planar technique in the evaluation of cellularity in gliomas. Journal of Magnetic Resonance Imaging, 1999, 9, 53-60.	1.9	1,067
85	Invited III. New developments: 2. Virtual MR endoscopy in the central nervous system. Journal of Magnetic Resonance Imaging, 1998, 8, 289-296.	1.9	14
86	Virtual MRI endoscopy of the intracranial cerebrospinal fluid spaces. Neuroradiology, 1998, 40, 644-650.	1.1	37
87	Correlation of MR imaging-determined cerebral blood volume maps with histologic and angiographic determination of vascularity of gliomas.. American Journal of Roentgenology, 1998, 171, 1479-1486.	1.0	426
88	Applications of diffusion tensor imaging and fiber tractography. , 0, , 36-37.		1