# Yulin Ge

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 88 papers | 6,922 citations | 81839 39 h-index | 60583 81 g-index |
| 101 all docs | 101 docs citations | 101 times ranked | 7766 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 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 T<sub>2</sub>â€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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Noninvasive quantification of wholeâ€brain cerebral metabolic rate of oxygen (CMRO<sub>2</sub>) 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 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 |