Guang-Bin Wang

List of Publications by Year
in descending order

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72	1,616	393982	344852
papers	citations	19 h-index	36 g-index

75	75	75	2683
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Edited magnetic resonance spectroscopy detects an age-related decline in brain GABA levels. NeuroImage, 2013, 78, 75-82.	2.1	247
2	Big GABA: Edited MR spectroscopy at 24 research sites. NeuroImage, 2017, 159, 32-45.	2.1	143
3	Timely Diagnosis and Treatment Shortens the Time to Resolution of Coronavirus Disease (COVID-19) Pneumonia and Lowers the Highest and Last CT Scores From Sequential Chest CT. American Journal of Roentgenology, 2020, 215, 367-373.	1.0	84
4	Decreased Î³-aminobutyric acid levels in the parietal region of patients with Alzheimer's disease. Journal of Magnetic Resonance Imaging, 2015, 41, 1326-1331.	1.9	82
5	Big GABA II: Water-referenced edited MR spectroscopy at 25 research sites. NeuroImage, 2019, 191, 537-548.	2.1	76
6	Decreased auditory GABA+ concentrations in presbycusis demonstrated by edited magnetic resonance spectroscopy. NeuroImage, 2015, 106, 311-316.	2.1	64
7	Reduced GABA levels correlate with cognitive impairment in patients with relapsing-remitting multiple sclerosis. European Radiology, 2018, 28, 1140-1148.	2.3	58
8	Gray Matter Atrophy Is Associated With Cognitive Impairment in Patients With Presbycusis: A Comprehensive Morphometric Study. Frontiers in Neuroscience, 2018, 12, 744.	1.4	47
9	Invasive placenta previa: Placental bulge with distorted uterine outline and uterine serosal hypervascularity at 1.5T MRI â€“ useful features for differentiating placenta percreta from placenta accreta. European Radiology, 2018, 28, 708-717.	2.3	42
10	Fetal cleft lip with and without cleft palate: Comparison between MR imaging and US for prenatal diagnosis. European Journal of Radiology, 2011, 79, 437-442.	1.2	41
11	Alterations of GABA and glutamateâ€“glutamine levels in premenstrual dysphoric disorder: A 3T proton magnetic resonance spectroscopy study. Psychiatry Research - Neuroimaging, 2015, 231, 64-70.	0.9	39
12	Asymmetry of cerebral blood flow measured with threeâ€dimensional pseudocontinuous arterial spinâ€labeling mr imaging in temporal lobe epilepsy with and without mesial temporal sclerosis. Journal of Magnetic Resonance Imaging, 2015, 42, 1386-1397.	1.9	35
13	Assessment of tibial and common peroneal nerves in diabetic peripheral neuropathy by diffusion tensor imaging: a case control study. European Radiology, 2017, 27, 3523-3531.	2.3	35
14	Fetal brain age estimation and anomaly detection using attention-based deep ensembles with uncertainty. NeuroImage, 2020, 223, 117316.	2.1	35
15	Altered hippocampal GABA and glutamate levels and uncoupling from functional connectivity in multiple sclerosis. Hippocampus, 2018, 28, 813-823.	0.9	33
16	Subtypes evaluation of motor dysfunction in Parkinsonâ€™s disease using neuromelanin-sensitive magnetic resonance imaging. Neuroscience Letters, 2017, 638, 145-150.	1.0	28
17	Frequency drift in MR spectroscopy at 3T. NeuroImage, 2021, 241, 118430.	2.1	28
18	Inhibitory motor dysfunction in parkinson's disease subtypes. Journal of Magnetic Resonance Imaging, 2018, 47, 1610-1615.	1.9	25

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19	Voxel Placement Precision for GABA-Edited Magnetic Resonance Spectroscopy. Open Journal of Radiology, 2017, 07, 35-44.	0.1	22
20	Comparison of T1Ï•and T2* Relaxation Mapping in Patients with Different Grades of Disc Degeneration at 3T MR. Medical Science Monitor, 2015, 21, 1934-1941.	0.5	21
21	DTI Analysis of Presbycusis Using Voxel-Based Analysis. American Journal of Neuroradiology, 2016, 37, 2110-2114.	1.2	20
22	Improving the Grading Accuracy of Astrocytic Neoplasms Noninvasively by Combining Timing Information with Cerebral Blood Flow: A Multi-TI Arterial Spin-Labeling MR Imaging Study. American Journal of Neuroradiology, 2016, 37, 2209-2216.	1.2	20
23	Cerebral Hemodynamic and White Matter Changes of Type 2 Diabetes Revealed by Multi-TI Arterial Spin Labeling and Double Inversion Recovery Sequence. Frontiers in Neurology, 2017, 8, 717.	1.1	19
24	Protein-based amide proton transfer-weighted MR imaging of amnestic mild cognitive impairment. NeuroImage: Clinical, 2020, 25, 102153.	1.4	19
25	Diffusion-Weighted MR Neurography of Extremity Nerves With Unidirectional Motion-Probing Gradients at 3 T: Feasibility Study. American Journal of Roentgenology, 2013, 200, 1106-1114.	1.0	18
26	Examining alterations in GABA concentrations in the basal ganglia of patients with Parkinsonâ€™s disease using MEGA-PRESS MRS. Japanese Journal of Radiology, 2018, 36, 194-199.	1.0	18
27	Quantitative assessment of liver function with whole-liver T1rho mapping at 3.0 T. Magnetic Resonance Imaging, 2018, 46, 75-80.	1.0	18
28	The macromolecular MR spectrum does not change with healthy aging. Magnetic Resonance in Medicine, 2022, 87, 1711-1719.	1.9	18
29	Related Factors of Asymmetrical Vein Sign in Acute Middle Cerebral Artery Stroke and Correlation with Clinical Outcome. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 2346-2353.	0.7	16
30	Application of DTI and ARFI imaging in differential diagnosis of parotid tumours. Dentomaxillofacial Radiology, 2016, 45, 20160100.	1.3	15
31	Diffusion-weighted MR neurography of median and ulnar nerves in the wrist and palm. European Radiology, 2017, 27, 2359-2366.	2.3	15
32	GABA+ levels in postmenopausal women with mild-to-moderate depression. Medicine (United States), 2016, 95, e4918.	0.4	14
33	Diffusion measurement of intraplaque hemorrhage and intramural hematoma using diffusion weighted MRI at 3T in cervical artery. European Radiology, 2016, 26, 3737-3743.	2.3	14
34	Pulmonary artery trunk enlargement on admission as a predictor of mortality in in-hospital patients with COVID-19. Japanese Journal of Radiology, 2021, 39, 589-597.	1.0	13
35	The consistency between measurements of the femoral neck anteversion angle in DDH on three-dimensional CT and MRI. Acta Radiologica, 2016, 57, 716-720.	0.5	11
36	Amide proton transfer-weighted magnetic resonance imaging of human brain aging at 3 Tesla. Quantitative Imaging in Medicine and Surgery, 2020, 10, 727-742.	1.1	11

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37	Single-dose L-dopa increases upper brainstem GABA in Parkinson's disease: A preliminary study. Journal of the Neurological Sciences, 2021, 422, 117309.	0.3	11
38	Deep-gray nuclei susceptibility-weighted imaging filtered phase shift in patients with Wilsonâ€™s disease. Pediatric Research, 2014, 75, 436-442.	1.1	10
39	Arcuate Fasciculus in Autism Spectrum Disorder Toddlers with Language Regression. Open Medicine (Poland), 2018, 13, 90-95.	0.6	9
40	Morphological evaluation of cervix using MRI at 32 to 36 weeks of gestation. Medicine (United States), 2018, 97, e13375.	0.4	9
41	Brain GABA+ changes in primary hypothyroidism patients before and after levothyroxine treatment: A longitudinal magnetic resonance spectroscopy study. NeuroImage: Clinical, 2020, 28, 102473.	1.4	9
42	An fMRI study of the effects on normal language areas when acupuncturing the Tongli (HT5) and Xuanzhong (GB39) acupoints. Journal of International Medical Research, 2017, 45, 1961-1975.	0.4	8
43	Investigation of brain GABA+ in primary hypothyroidism using edited proton MR spectroscopy. Clinical Endocrinology, 2017, 86, 256-262.	1.2	8
44	Placenta percreta evaluated by MRI: correlation with maternal morbidity. Archives of Gynecology and Obstetrics, 2020, 301, 851-857.	0.8	8
45	Upper brainstem GABA levels in Parkinsonâ€™s disease. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2021, 34, 689-696.	1.1	8
46	Cochlear nerve diameters on multipoint measurements and effects of aging in normal-hearing children using 3.0-T magnetic resonance imaging. International Journal of Pediatric Otorhinolaryngology, 2015, 79, 1077-1080.	0.4	7
47	Chondrosarcoma of the para-acetabulum: correlation of imaging features with histopathological grade. Radiologia Medica, 2016, 121, 897-904.	4.7	7
48	Fetal central nervous system anomalies: comparison of magnetic resonance imaging and ultrasonography for diagnosis. Chinese Medical Journal, 2006, 119, 1272-7.	0.9	7
49	Diffusion Tensor Imaging of Tibial and Common Peroneal Nerves in Patients With Guillainâ€“Barre Syndrome: A Feasibility Study. Journal of Magnetic Resonance Imaging, 2019, 49, 1356-1364.	1.9	6
50	Comparison of Carotid Atherosclerosis between Patients at High Altitude and Sea Level: A Chinese Atherosclerosis Risk Evaluation Study. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 104448.	0.7	6
51	Feasibility of free-breathing T1-weighted 3D radial VIBE for fetal MRI in various anomalies. Magnetic Resonance Imaging, 2020, 69, 57-64.	1.0	6
52	Focal corticarl dysplasia in epilepsy is associated with GABA increase. NeuroImage: Clinical, 2021, 31, 102763.	1.4	6
53	Characterizing the contrast of white matter and grey matter in high-resolution phase difference enhanced imaging of human brain at 3.0 T. European Radiology, 2015, 25, 1068-1076.	2.3	5
54	GSH and GABA decreases in IDH1-mutated low-grade gliomas detected by HERMES spectral editing at 3ÂT in vivo. Neurochemistry International, 2020, 141, 104889.	1.9	5

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55	Association between asymptomatic intracranial arterial stenosis and insulin resistance or diabetes mellitus: a cross-sectional study in rural Shandong, China. BMJ Open Diabetes Research and Care, 2020, 8, e001788.	1.2	5
56	Bilaterally Asymmetric Associations Between Extracranial Carotid Artery Atherosclerosis and Ipsilateral Middle Cerebral Artery Stenosis in Symptomatic Patients. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 2965-2974.	1.1	4
57	Image quality of the CAIPIRINHA-Dixon-TWIST-VIBE technique for ultra-fast breast DCE-MRI: Comparison with the conventional GRE technique. European Journal of Radiology, 2020, 129, 109108.	1.2	4
58	White matter integrity in patients with classic trigeminal neuralgia: a multi-node automated fiber tract quantification study. Journal of International Medical Research, 2021, 49, 030006052110470.	0.4	4
59	SWI phase asymmetries in deep gray matter of healthy adults: is there an association with handedness?. Brain Imaging and Behavior, 2013, 7, 220-226.	1.1	3
60	3D-DIR for early differential diagnostic and prognostic evaluation of NMO. Experimental and Therapeutic Medicine, 2016, 12, 1464-1468.	0.8	3
61	Association between homocysteine and white matter hyperintensities in ruralâ€dwelling Chinese people with asymptomatic intracranial arterial stenosis: A populationâ€based study. Brain and Behavior, 2021, 11, e02205.	1.0	3
62	Medical imaging findings in Cobb syndrome: two case reports. Chinese Medical Journal, 2005, 118, 1050-3.	0.9	3
63	Spinal perimedullary vein enlargement sign: an added value for the differentiation between intradural-extramedullary and intramedullary tumors on magnetic resonance imaging. Neuroradiology, 2016, 58, 1117-1124.	1.1	2
64	Feasibility of Measuring GABA Levels in the Upper Brainstem in Healthy Volunteers Using Edited MRS. Frontiers in Psychiatry, 2020, 11, 813.	1.3	2
65	Incidence and age and gender profiles of hyperplasia in individual cervical vertebrae. Journal of International Medical Research, 2016, 44, 917-922.	0.4	1
66	Effect of Dual-Source Radiofrequency Transmission on Left Ventricular Measurements and Measurement Reproducibility at 3.0 T Cardiac MR Imaging: Comparison with Conventional Single-Source Transmission Reference. Academic Radiology, 2019, 26, e56-e66.	1.3	0
67	Epithelioid angiomyolipoma of the pancreas: A case report and review of the literature. World Journal of Clinical Cases, 2021, 9, 1931-1939.	0.3	0
68	Single-direction diffusion-weighted imaging may be a simple complementary sequence for evaluating fetal corpus callosum. European Radiology, 2021, , 1.	2.3	0
69	Fetal MRI imaging: a brief overview of the techniques, anatomy and anomalies. Chinese Journal of Academic Radiology, 0, , 1.	0.4	0
70	Evaluation of MRI Features and Neurodevelopmental Outcomes for Prenatally Diagnosed Periventricular Pseudocysts. Frontiers in Pediatrics, 2021, 9, 681999.	0.9	0
71	Diagnostic value of combination of cranial MRI, serum homocysteine and procalcitonin for hyperbilirubinemia complicated with brain injury in neonates. Experimental and Therapeutic Medicine, 2020, 20, 51.	0.8	0
72	Diagnostic value of combination of cranial MRI, serum homocysteine and procalcitonin for hyperbilirubinemia complicated with brain injury in neonates. Experimental and Therapeutic Medicine, 2020, 20, 1-1.	0.8	0