Zhenchang Wang

List of Publications by Year
in descending order

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106	1,615	393982	414034
papers	citations	19 h-index	32 g-index

109	109	109	1918
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Resting-State Functional MRI: Everything That Nonexperts Have Always Wanted to Know. American Journal of Neuroradiology, 2018, 39, 1390-1399.	1.2	266
2	Incidence of Vascular Anomalies and Variants Associated with Unilateral Venous Pulsatile Tinnitus in 242 Patients Based on Dual-phase Contrast-enhanced Computed Tomography. Chinese Medical Journal, 2015, 128, 581-585.	0.9	60
3	Diagnostic performance of MR for hepatocellular carcinoma based on LIâ€RADS v2018, compared with v2017. Journal of Magnetic Resonance Imaging, 2019, 50, 746-755.	1.9	51
4	CT evaluation of sigmoid plate dehiscence causing pulsatile tinnitus. European Radiology, 2016, 26, 9-14.	2.3	50
5	Sigmoid sinus diverticulum and pulsatile tinnitus: analysis of CT scans from 15 cases. Acta Radiologica, 2013, 54, 812-816.	0.5	39
6	Association between idiopathic intracranial hypertension and sigmoid sinus dehiscence/diverticulum with pulsatile tinnitus: a retrospective imaging study. Neuroradiology, 2015, 57, 747-753.	1.1	37
7	⁶⁸Ga-somatostatin receptor analogs and ¹⁸F-FDG PET/CT in the localization of metastatic pheochromocytomas and paragangliomas with germline mutations: a meta-analysis. Acta Radiologica, 2018, 59, 1466-1474.	0.5	35
8	Globular CTRP3 promotes mitochondrial biogenesis in cardiomyocytes through AMPK/PGC-1Î± pathway. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 3085-3094.	1.1	33
9	Sigmoid Sinus Wall Reconstruction for Pulsatile Tinnitus Caused by Sigmoid Sinus Wall Dehiscence: A Single-Center Experience. PLoS ONE, 2016, 11, e0164728.	1.1	32
10	Contribution of 18F-FDG PET/CT in a case-mix of fever of unknown origin and inflammation of unknown origin: a meta-analysis. Acta Radiologica, 2019, 60, 716-725.	0.5	31
11	Surgical Treatment of Pulsatile Tinnitus Caused by the Sigmoid Sinus Diverticulum. Medicine (United) Tj ETQq1 1 0.784314 rgBT /Ove	0.4	30
12	Baseline Functional Connectivity Features of Neural Network Nodes Can Predict Improvement After Sound Therapy Through Adjusted Narrow Band Noise in Tinnitus Patients. Frontiers in Neuroscience, 2019, 13, 614.	1.4	30
13	A scientometric analysis on hepatocellular carcinoma magnetic resonance imaging research from 2008 to 2017. Quantitative Imaging in Medicine and Surgery, 2019, 9, 465-476.	1.1	26
14	Disrupted neural activity in unilateral vascular pulsatile tinnitus patients in the early stage of disease: Evidence from resting-state fMRI. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2015, 59, 91-99.	2.5	25
15	Abnormal Baseline Brain Activity in Patients with Pulsatile Tinnitus: A Resting-State fMRI Study. Neural Plasticity, 2014, 2014, 1-10.	1.0	24
16	Why does unilateral pulsatile tinnitus occur in patients with idiopathic intracranial hypertension?. Neuroradiology, 2021, 63, 209-216.	1.1	24
17	Lateralization effects on functional connectivity of the auditory network in patients with unilateral pulsatile tinnitus as detected by functional MRI. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 81, 228-235.	2.5	22
18	Performance comparison between MRI and CT for local staging of sigmoid and descending colon cancer. European Journal of Radiology, 2019, 121, 108741.	1.2	22

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19	Reorganization of Brain White Matter in Persistent Idiopathic Tinnitus Patients Without Hearing Loss: Evidence From Baseline Data. Frontiers in Neuroscience, 2020, 14, 591.	1.4	22
20	Hemodynamic study on the different therapeutic effects of SSWD resurfacing surgery on patients with pulsatile tinnitus. Computer Methods and Programs in Biomedicine, 2020, 190, 105373.	2.6	22
21	Correlation Between Trans-Stenotic Blood Flow Velocity Differences and the Cerebral Venous Pressure Gradient in Transverse Sinus Stenosis: A Prospective 4-Dimensional Flow Magnetic Resonance Imaging Study. Neurosurgery, 2021, 89, 549-556.	0.6	22
22	Neuroanatomical Alterations in Patients with Early Stage of Unilateral Pulsatile Tinnitus: A Voxel-Based Morphometry Study. Neural Plasticity, 2018, 2018, 1-7.	1.0	21
23	Effects of sound therapy on restingâ€state functional brain networks in patients with tinnitus: A graphâ€theoreticalâ€based study. Journal of Magnetic Resonance Imaging, 2019, 50, 1731-1741.	1.9	21
24	Balloon dilatation for treatment of hepatic venous outflow obstruction following pediatric liver transplantation. World Journal of Gastroenterology, 2017, 23, 8227-8234.	1.4	21
25	Altered functional connectivity of the thalamus in tinnitus patients is correlated with symptom alleviation after sound therapy. Brain Imaging and Behavior, 2020, 14, 2668-2678.	1.1	20
26	Abnormal regional activity and functional connectivity in resting-state brain networks associated with etiology confirmed unilateral pulsatile tinnitus in the early stage of disease. Hearing Research, 2017, 346, 55-61.	0.9	19
27	Abnormal Regional Neural Activity and Reorganized Neural Network in Obesity: Evidence from Restingâ€State fMRI. Obesity, 2020, 28, 1283-1291.	1.5	19
28	CT venography correlate of transverse sinus stenosis and venous transstenotic pressure gradient in unilateral pulsatile tinnitus patients with sigmoid sinus wall anomalies. European Radiology, 2021, 31, 2896-2902.	2.3	19
29	Abnormal resting-state functional connectivity study in unilateral pulsatile tinnitus patients with single etiology: A seed-based functional connectivity study. European Journal of Radiology, 2016, 85, 2023-2029.	1.2	18
30	Different post label delay cerebral blood flow measurements in patients with Alzheimer's disease using 3D arterial spin labeling. Magnetic Resonance Imaging, 2015, 33, 1019-1025.	1.0	17
31	Follow-up study of high-dose praziquantel therapy for cerebral sparganosis. PLoS Neglected Tropical Diseases, 2019, 13, e0007018.	1.3	17
32	The effects of sound therapy in tinnitus are characterized by altered limbic and auditory networks. Brain Communications, 2020, 2, fcaa131.	1.5	17
33	Morphological Neuroimaging Biomarkers for Tinnitus: Evidence Obtained by Applying Machine Learning. Neural Plasticity, 2019, 2019, 1-11.	1.0	16
34	Outcomes at 6â€‰months are related to brain structural and white matter microstructural reorganization in idiopathic tinnitus patients treated with sound therapy. Human Brain Mapping, 2021, 42, 753-765.	1.9	16
35	Effects of different morphologic abnormalities on hemodynamics in patients with venous pulsatile tinnitus: A <scp>fourâ€dimensional</scp> flow <scp>magnetic resonance imaging</scp> study. Journal of Magnetic Resonance Imaging, 2021, 53, 1744-1751.	1.9	16
36	Frequency-Dependent Neural Activity in Patients with Unilateral Vascular Pulsatile Tinnitus. Neural Plasticity, 2016, 2016, 1-9.	1.0	15

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37	Relationship between computed tomography morphology and prognosis of patients with stage I non-small cell lung cancer. OncoTargets and Therapy, 2017, Volume 10, 2249-2256.	1.0	15
38	Integration of Neural Reward Processing and Appetiteâ€Related Signaling in Obese Females: Evidence From Restingâ€State fMRI. Journal of Magnetic Resonance Imaging, 2019, 50, 541-551.	1.9	15
39	Locally advanced rectal cancer: predicting non-responders to neoadjuvant chemoradiotherapy using apparent diffusion coefficient textures. International Journal of Colorectal Disease, 2017, 32, 1009-1012.	1.0	13
40	Noninvasive Evaluation of the Pathologic Grade of Hepatocellular Carcinoma Using MCF-3DCNN: A Pilot Study. BioMed Research International, 2019, 2019, 1-12.	0.9	13
41	Diagnostic accuracy of quantitative diffusion parameters in the pathological grading of hepatocellular carcinoma: A metaâ€analysis. Journal of Magnetic Resonance Imaging, 2020, 51, 1581-1593.	1.9	13
42	Region-of-Interest based sparse feature learning method for Alzheimerâ€™s disease identification. Computer Methods and Programs in Biomedicine, 2020, 187, 105290.	2.6	13
43	Bone Marrow Fat Measured by a Chemical Shiftâ€Encoded Sequence (<scp>IDEALâ€IQ</scp>) in Patients With and Without Metabolic Syndrome. Journal of Magnetic Resonance Imaging, 2021, 54, 146-153.	1.9	12
44	Incomplete radiofrequency ablation promotes the development of CD133+ cancer stem cells in hepatocellular carcinoma cell line HepG2 via inducing SOX9 expression. Hepatobiliary and Pancreatic Diseases International, 2018, 17, 416-422.	0.6	11
45	Longâ€term reactions to pulsatile tinnitus are marked by weakened shortâ€range functional connectivity within a brain network in the right temporal lobe. Journal of Magnetic Resonance Imaging, 2019, 49, 1629-1637.	1.9	11
46	Growth pattern of temporal bone pneumatization: a computed tomography study with consecutive age groups. Surgical and Radiologic Anatomy, 2019, 41, 221-225.	0.6	11
47	Cerebral Blood Flow Alterations in High Myopia: An Arterial Spin Labeling Study. Neural Plasticity, 2020, 2020, 1-7.	1.0	11
48	Prediction of the progression of femoral head collapse in ARCO stage 2-3A osteonecrosis based on the initial bone resorption lesion. British Journal of Radiology, 2021, 94, 20200981.	1.0	11
49	Stapes visualization by ultra-high resolution CT in cadaveric heads: A preliminary study. European Journal of Radiology, 2021, 141, 109786.	1.2	11
50	Multiphysics coupling numerical simulation of flowâ€diverting stents in the treatment of patients with pulsatile tinnitus. International Journal for Numerical Methods in Biomedical Engineering, 2021, 37, e3526.	1.0	11
51	Evaluating postoperative anal fistula prognosis by diffusion-weighted MRI. European Journal of Radiology, 2020, 132, 109294.	1.2	10
52	Systematic review: The diagnostic efficacy of gadoxetic acid-enhanced MRI for liver fibrosis staging. European Journal of Radiology, 2020, 125, 108857.	1.2	10
53	Identifying response in colorectal liver metastases treated with bevacizumab: development of RECIST by combining contrast-enhanced and diffusion-weighted MRI. European Radiology, 2021, 31, 5640-5649.	2.3	10
54	Brain Structural and Functional Reorganization in Tinnitus Patients Without Hearing Loss After Sound Therapy: A Preliminary Longitudinal Study. Frontiers in Neuroscience, 2021, 15, 573858.	1.4	10

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55	Multiphysics coupling study on the effect of blood flow pulsation in patients with pulsatile tinnitus. Biocybernetics and Biomedical Engineering, 2021, 41, 1197-1207.	3.3	10
56	Temporal Bone Pneumatization and Pulsatile Tinnitus Caused by Sigmoid Sinus Diverticulum and/or Dehiscence. BioMed Research International, 2015, 2015, 1-4.	0.9	9
57	Bone remodeling in sigmoid sinus diverticulum after stenting for transverse sinus stenosis in pulsatile tinnitus: A case report. World Journal of Clinical Cases, 2021, 9, 2320-2325.	0.3	9
58	Pretreatment intranetwork connectivity can predict the outcomes in idiopathic tinnitus patients treated with sound therapy. Human Brain Mapping, 2021, 42, 4762-4776.	1.9	9
59	Distinct brain structuralâ€functional network topological coupling explains different outcomes in tinnitus patients treated with sound therapy. Human Brain Mapping, 2022, 43, 3245-3256.	1.9	9
60	Magnetic Resonance Imaging Features of Extraocular Muscle Lymphoma in Five Cases. Chinese Medical Journal, 2016, 129, 2384-2385.	0.9	8
61	Temporal bone contrast-enhanced high-resolution CT evaluation of pulsatile tinnitus after sigmoid sinus wall reconstruction. Acta Radiologica, 2019, 60, 54-60.	0.5	8
62	The Clinical Value and Appropriateness Criteria of Upper Abdominal Magnetic Resonance Examinations in Patients Before and After Bariatric Surgery: a Study of 837 Images. Obesity Surgery, 2020, 30, 3784-3791.	1.1	8
63	Neural metabolic activity in idiopathic tinnitus patients after repetitive transcranial magnetic stimulation. World Journal of Clinical Cases, 2019, 7, 1582-1590.	0.3	7
64	Neuroanatomical Alterations in Patients With Tinnitus Before and After Sound Therapy: A Voxel-Based Morphometry Study. Frontiers in Neuroscience, 2020, 14, 911.	1.4	7
65	Cerebral blood flow alterations in hemodialysis patients with and without restless legs syndrome: an arterial spin labeling study. Brain Imaging and Behavior, 2021, 15, 401-409.	1.1	7
66	Cortical Thickness Alterations in Patients With Tinnitus Before and After Sound Therapy: A Surface-Based Morphometry Study. Frontiers in Neuroscience, 2021, 15, 633364.	1.4	7
67	Saliency-based 3D convolutional neural network for categorising common focal liver lesions on multisequence MRI. Insights Into Imaging, 2021, 12, 173.	1.6	7
68	Hemodynamic mechanism of pulsatile tinnitus caused by venous diverticulum treated with coil embolization. Computer Methods and Programs in Biomedicine, 2022, 215, 106617.	2.6	7
69	Hemodynamics study on the relationship between the sigmoid sinus wall dehiscence and the blood flow pattern of the transverse sinus and sigmoid sinus junction. Journal of Biomechanics, 2022, 135, 111022.	0.9	7
70	Hierarchical integrated processing of reward-related regions in obese males: A graph-theoretical-based study. Appetite, 2021, 159, 105055.	1.8	6
71	Altered cerebral blood flow in patients with unilateral venous pulsatile tinnitus: an arterial spin labeling study. British Journal of Radiology, 2021, 94, 20200990.	1.0	6
72	Analysis of <scp>MR</scp> Signs to Distinguish Between <scp>ARCO</scp> Stages 2 and <scp>3A</scp> in Osteonecrosis of the Femoral Head. Journal of Magnetic Resonance Imaging, 2022, 55, 610-617.	1.9	6

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73	Sound therapy can modulate the functional connectivity of the auditory network. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 110, 110323.	2.5	6
74	Neuroanatomical Alterations in Patients With Tinnitus Before and After Sound Therapy: A Combined VBM and SCN Study. Frontiers in Human Neuroscience, 2020, 14, 607452.	1.0	6
75	Linear dimensions of normal upper airway structure by magnetic resonance imaging in Chinese Han infants and preschool children. Sleep Medicine, 2017, 37, 98-104.	0.8	5
76	Characterization of Brain Microstructural Abnormalities in High Myopia Patients: A Preliminary Diffusion Kurtosis Imaging Study. Korean Journal of Radiology, 2021, 22, 1142.	1.5	5
77	Radiomics Nomograms Based on Multi-Parametric MRI for Preoperative Differential Diagnosis of Malignant and Benign Sinonasal Tumors: A Two-Centre Study. Frontiers in Oncology, 2021, 11, 659905.	1.3	5
78	Weakly Guided Hierarchical Encoder-Decoder Network for Brain CT Report Generation. , 2021, , .		5
79	Abnormal brain activity in rats with sustained hypobaric hypoxia exposure. Chinese Medical Journal, 2019, 132, 2621-2627.	0.9	4
80	Does Training in <scp>LIâ€RADS</scp> Version 2018 Improve Readers' Agreement with the Expert Consensus and Interâ€reader Agreement in <scp>MRI</scp> Interpretation?. Journal of Magnetic Resonance Imaging, 2021, 54, 1922-1934.	1.9	4
81	Diagnostic Accuracy of the Apparent Diffusion Coefficient for Microvascular Invasion in Hepatocellular Carcinoma: A Meta-analysis. Journal of Clinical and Translational Hepatology, 2022, 10, 642-650.	0.7	4
82	Diffusion Tensor Imaging Technology to Quantitatively Assess Abnormal Changes in Patients With Thyroid-Associated Ophthalmopathy. Frontiers in Human Neuroscience, 2021, 15, 805945.	1.0	4
83	Inclusion of quantitative high-density plaque in coronary computed tomographic score system to predict the time of guidewire crossing chronic total occlusion. European Radiology, 2022, 32, 4565-4573.	2.3	4
84	Three-dimensional assessment of pharyngeal volume and cross-sectional area in Chinese infants and preschool children. International Journal of Pediatric Otorhinolaryngology, 2020, 136, 110253.	0.4	3
85	Risk of vertebral fractures: evaluation on vertebral trabecular attenuation value and hydroxyapatite concentration in patients by chest spectral CT. British Journal of Radiology, 2021, 94, 20200234.	1.0	3
86	Diploic vein as a newly treatable cause of pulsatile tinnitus: A case report. World Journal of Clinical Cases, 2021, 9, 8097-8103.	0.3	3
87	Surface-Based Amplitude of Low-Frequency Fluctuation Alterations in Patients With Tinnitus Before and After Sound Therapy: A Resting-State Functional Magnetic Resonance Imaging Study. Frontiers in Neuroscience, 2021, 15, 709482.	1.4	3
88	Multi-resolution 3D-HOG feature learning method for Alzheimerâ€™s Disease diagnosis. Computer Methods and Programs in Biomedicine, 2022, 214, 106574.	2.6	3
89	Effects of Different Degrees of Extraluminal Compression on Hemodynamics in a Prominent Transverse-Sigmoid Sinus Junction. Frontiers in Human Neuroscience, 2022, 16, 823455.	1.0	3
90	Quantitative assessment of the intraorbital segment of the optic nerve in patients with thyroid orbitopathy using diffusion tensor imaging. Acta Radiologica, 2022, , 028418512210824.	0.5	3

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91	Using MRI to differentiate upper-lateral intracavitary pregnancy and interstitial pregnancy for the patients with pregnancies in the uterotubal junction during the first trimester. European Radiology, 2022, 32, 6619-6627.	2.3	3
92	Ocular Blood Flow Measurements in Diabetic Retinopathy Using 3D Pseudocontinuous Arterial Spin Labeling. Journal of Magnetic Resonance Imaging, 2021, 53, 791-798.	1.9	2
93	Long-term hemodialysis may affect enlarged perivascular spaces in maintenance hemodialysis patients: evidence from a pilot MRI study. Quantitative Imaging in Medicine and Surgery, 2022, 12, 341-353.	1.1	2
94	Lateralization effects in brain white matter reorganization in patients with unilateral idiopathic tinnitus: a preliminary study. Brain Imaging and Behavior, 2021, , 1.	1.1	2
95	Altered Neurovascular Coupling in Unilateral Pulsatile Tinnitus. Frontiers in Neuroscience, 2021, 15, 791436.	1.4	2
96	Transverse Sinus Stenosis in Venous Pulsatile Tinnitus Patients May Lead to Brain Perfusion and White Matter Changes. Frontiers in Neuroscience, 2021, 15, 732113.	1.4	2
97	Role of serum cystatin C in the prediction of contrast-induced nephropathy after intra-arterial interventions. Chinese Medical Journal, 2020, 133, 408-414.	0.9	1
98	Development patterns of adenoids in Chinese children without sleep-disordered breathing: a retrospective magnetic resonance imaging study with consecutive age groups. Chinese Medical Journal, 2021, 134, 1500-1502.	0.9	1
99	Dual-phase contrast-enhanced CT evaluation of dural arteriovenous fistula in patients with pulsatile tinnitus as an initial symptom. European Journal of Radiology, 2022, 148, 110137.	1.2	1
100	Altered Brain Structural Reorganization and Hierarchical Integrated Processing in Obesity. Frontiers in Neuroscience, 2022, 16, 796792.	1.4	1
101	Computed tomography imaging features for amyloid dacryolith in the nasolacrimal excretory system: A case report. World Journal of Clinical Cases, 2021, 9, 1940-1945.	0.3	0
102	Systematic Training of Liver Imaging Reporting and Data System Magnetic Resonance Imaging v2018 can Improve the Diagnosis of Hepatocellular Carcinoma for Different Radiologists. Journal of Clinical and Translational Hepatology, 2021, 000, 000-000.	0.7	0
103	Micro-positron emission tomography imaging of angiogenesis based on 18F-RGD for assessing liver metastasis of colorectal cancer. Hepatobiliary and Pancreatic Diseases International, 2021, 20, 345-351.	0.6	0
104	Spatial Pyramid Based 3D Hog Feature Extraction for Alzheimerâ€™s Disease Identification. , 2020, , .		0
105	Application of Gemstone CT Spectroscopy in the Evaluation of Abnormal Enhancement of Lesion Margin After Radiofrequency Ablation of Hepatocellular Carcinoma. Iranian Journal of Radiology, 2020, 17, .	0.1	0
106	Effects and mechanisms of glucose-insulin-potassium on post-procedural myocardial injury after percutaneous coronary intervention. Journal of Geriatric Cardiology, 2020, 17, 554-560.	0.2	0