

# Zhenchang Wang

## List of Publications by Citations

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102  
papers

907  
citations

15  
h-index

26  
g-index

109  
ext. papers

1,257  
ext. citations

4.1  
avg, IF

4.58  
L-index

#	Paper	IF	Citations
102	Resting-State Functional MRI: Everything That Nonexperts Have Always Wanted to Know. <i>American Journal of Neuroradiology</i> , <b>2018</b> , 39, 1390-1399	4.4	137
101	Incidence of vascular anomalies and variants associated with unilateral venous pulsatile tinnitus in 242 patients based on dual-phase contrast-enhanced computed tomography. <i>Chinese Medical Journal</i> , <b>2015</b> , 128, 581-5	2.9	43
100	Diagnostic performance of MR for hepatocellular carcinoma based on LI-RADS v2018, compared with v2017. <i>Journal of Magnetic Resonance Imaging</i> , <b>2019</b> , 50, 746-755	5.6	42
99	CT evaluation of sigmoid plate dehiscence causing pulsatile tinnitus. <i>European Radiology</i> , <b>2016</b> , 26, 9-14	8	38
98	Sigmoid sinus diverticulum and pulsatile tinnitus: analysis of CT scans from 15 cases. <i>Acta Radiologica</i> , <b>2013</b> , 54, 812-6	2	33
97	Association between idiopathic intracranial hypertension and sigmoid sinus dehiscence/diverticulum with pulsatile tinnitus: a retrospective imaging study. <i>Neuroradiology</i> , <b>2015</b> , 57, 747-53	3.2	32
96	Globular CTRP3 promotes mitochondrial biogenesis in cardiomyocytes through AMPK/PGC-1 $\beta$ pathway. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2017</b> , 1861, 3085-3094	4	25
95	Ga-somatostatin receptor analogs and F-FDG PET/CT in the localization of metastatic pheochromocytomas and paragangliomas with germline mutations: a meta-analysis. <i>Acta Radiologica</i> , <b>2018</b> , 59, 1466-1474	2	24
94	Disrupted neural activity in unilateral vascular pulsatile tinnitus patients in the early stage of disease: evidence from resting-state fMRI. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2015</b> , 59, 91-99	5.5	22
93	Sigmoid Sinus Wall Reconstruction for Pulsatile Tinnitus Caused by Sigmoid Sinus Wall Dehiscence: A Single-Center Experience. <i>PLoS ONE</i> , <b>2016</b> , 11, e0164728	3.7	22
92	Surgical treatment of pulsatile tinnitus caused by the sigmoid sinus diverticulum: a preliminary study. <i>Medicine (United States)</i> , <b>2015</b> , 94, e882	1.8	21
91	Baseline Functional Connectivity Features of Neural Network Nodes Can Predict Improvement After Sound Therapy Through Adjusted Narrow Band Noise in Tinnitus Patients. <i>Frontiers in Neuroscience</i> , <b>2019</b> , 13, 614	5.1	18
90	Abnormal resting-state functional connectivity study in unilateral pulsatile tinnitus patients with single etiology: A seed-based functional connectivity study. <i>European Journal of Radiology</i> , <b>2016</b> , 85, 2023-2029	4.7	18
89	Contribution of 18F-FDG PET/CT in a case-mix of fever of unknown origin and inflammation of unknown origin: a meta-analysis. <i>Acta Radiologica</i> , <b>2019</b> , 60, 716-725	2	18
88	Abnormal baseline brain activity in patients with pulsatile tinnitus: a resting-state FMRI study. <i>Neural Plasticity</i> , <b>2014</b> , 2014, 549162	3.3	16
87	Effects of sound therapy on resting-state functional brain networks in patients with tinnitus: A graph-theoretical-based study. <i>Journal of Magnetic Resonance Imaging</i> , <b>2019</b> , 50, 1731-1741	5.6	15
86	Hemodynamic study on the different therapeutic effects of SSWD resurfacing surgery on patients with pulsatile tinnitus. <i>Computer Methods and Programs in Biomedicine</i> , <b>2020</b> , 190, 105373	6.9	15

85	A scientometric analysis on hepatocellular carcinoma magnetic resonance imaging research from 2008 to 2017. <i>Quantitative Imaging in Medicine and Surgery</i> , <b>2019</b> , 9, 465-476	3.6	15
84	Altered functional connectivity of the thalamus in tinnitus patients is correlated with symptom alleviation after sound therapy. <i>Brain Imaging and Behavior</i> , <b>2020</b> , 14, 2668-2678	4.1	15
83	Abnormal regional activity and functional connectivity in resting-state brain networks associated with etiology confirmed unilateral pulsatile tinnitus in the early stage of disease. <i>Hearing Research</i> , <b>2017</b> , 346, 55-61	3.9	14
82	Lateralization effects on functional connectivity of the auditory network in patients with unilateral pulsatile tinnitus as detected by functional MRI. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2018</b> , 81, 228-235	5.5	14
81	Balloon dilatation for treatment of hepatic venous outflow obstruction following pediatric liver transplantation. <i>World Journal of Gastroenterology</i> , <b>2017</b> , 23, 8227-8234	5.6	14
80	Frequency-Dependent Neural Activity in Patients with Unilateral Vascular Pulsatile Tinnitus. <i>Neural Plasticity</i> , <b>2016</b> , 2016, 4918186	3.3	14
79	Different post label delay cerebral blood flow measurements in patients with Alzheimer's disease using 3D arterial spin labeling. <i>Magnetic Resonance Imaging</i> , <b>2015</b> , 33, 1019-1025	3.3	12
78	Performance comparison between MRI and CT for local staging of sigmoid and descending colon cancer. <i>European Journal of Radiology</i> , <b>2019</b> , 121, 108741	4.7	12
77	Locally advanced rectal cancer: predicting non-responders to neoadjuvant chemoradiotherapy using apparent diffusion coefficient textures. <i>International Journal of Colorectal Disease</i> , <b>2017</b> , 32, 1009-1012	3.1	11
76	Follow-up study of high-dose praziquantel therapy for cerebral sparganosis. <i>PLoS Neglected Tropical Diseases</i> , <b>2019</b> , 13, e0007018	4.8	11
75	Reorganization of Brain White Matter in Persistent Idiopathic Tinnitus Patients Without Hearing Loss: Evidence From Baseline Data. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 591	5.1	11
74	Neuroanatomical Alterations in Patients with Early Stage of Unilateral Pulsatile Tinnitus: A Voxel-Based Morphometry Study. <i>Neural Plasticity</i> , <b>2018</b> , 2018, 4756471	3.3	11
73	Integration of Neural Reward Processing and Appetite-Related Signaling in Obese Females: Evidence From Resting-State fMRI. <i>Journal of Magnetic Resonance Imaging</i> , <b>2019</b> , 50, 541-551	5.6	10
72	Diagnostic accuracy of quantitative diffusion parameters in the pathological grading of hepatocellular carcinoma: A meta-analysis. <i>Journal of Magnetic Resonance Imaging</i> , <b>2020</b> , 51, 1581-1593	5.6	10
71	Relationship between computed tomography morphology and prognosis of patients with stage I non-small cell lung cancer. <i>OncoTargets and Therapy</i> , <b>2017</b> , 10, 2249-2256	4.4	9
70	The effects of sound therapy in tinnitus are characterized by altered limbic and auditory networks. <i>Brain Communications</i> , <b>2020</b> , 2, fcaa131	4.5	9
69	Incomplete radiofrequency ablation promotes the development of CD133 cancer stem cells in hepatocellular carcinoma cell line HepG2 via inducing SOX9 expression. <i>Hepatobiliary and Pancreatic Diseases International</i> , <b>2018</b> , 17, 416-422	2.1	9
68	Temporal Bone Pneumatization and Pulsatile Tinnitus Caused by Sigmoid Sinus Diverticulum and/or Dehiscence. <i>BioMed Research International</i> , <b>2015</b> , 2015, 970613	3	8

67	Why does unilateral pulsatile tinnitus occur in patients with idiopathic intracranial hypertension?. <i>Neuroradiology</i> , <b>2021</b> , 63, 209-216	3.2	8
66	Abnormal Regional Neural Activity and Reorganized Neural Network in Obesity: Evidence from Resting-State fMRI. <i>Obesity</i> , <b>2020</b> , 28, 1283-1291	8	7
65	Noninvasive Evaluation of the Pathologic Grade of Hepatocellular Carcinoma Using MCF-3DCNN: A Pilot Study. <i>BioMed Research International</i> , <b>2019</b> , 2019, 9783106	3	7
64	Region-of-Interest based sparse feature learning method for Alzheimer's disease identification. <i>Computer Methods and Programs in Biomedicine</i> , <b>2020</b> , 187, 105290	6.9	7
63	Morphological Neuroimaging Biomarkers for Tinnitus: Evidence Obtained by Applying Machine Learning. <i>Neural Plasticity</i> , <b>2019</b> , 2019, 1712342	3.3	7
62	Long-term reactions to pulsatile tinnitus are marked by weakened short-range functional connectivity within a brain network in the right temporal lobe. <i>Journal of Magnetic Resonance Imaging</i> , <b>2019</b> , 49, 1629-1637	5.6	7
61	Outcomes at 6 months are related to brain structural and white matter microstructural reorganization in idiopathic tinnitus patients treated with sound therapy. <i>Human Brain Mapping</i> , <b>2021</b> , 42, 753-765	5.9	7
60	Systematic review: The diagnostic efficacy of gadoteric acid-enhanced MRI for liver fibrosis staging. <i>European Journal of Radiology</i> , <b>2020</b> , 125, 108857	4.7	6
59	CT venography correlate of transverse sinus stenosis and venous transstenotic pressure gradient in unilateral pulsatile tinnitus patients with sigmoid sinus wall anomalies. <i>European Radiology</i> , <b>2021</b> , 31, 2896-2902	8	6
58	Identifying response in colorectal liver metastases treated with bevacizumab: development of RECIST by combining contrast-enhanced and diffusion-weighted MRI. <i>European Radiology</i> , <b>2021</b> , 31, 5640-5649 <sup>6</sup>	8	6
57	Effects of different morphologic abnormalities on hemodynamics in patients with venous pulsatile tinnitus: A four-dimensional flow magnetic resonance imaging study. <i>Journal of Magnetic Resonance Imaging</i> , <b>2021</b> , 53, 1744-1751	5.6	6
56	Magnetic Resonance Imaging Features of Extraocular Muscle Lymphoma in Five Cases. <i>Chinese Medical Journal</i> , <b>2016</b> , 129, 2384-5	2.9	5
55	Growth pattern of temporal bone pneumatization: a computed tomography study with consecutive age groups. <i>Surgical and Radiologic Anatomy</i> , <b>2019</b> , 41, 221-225	1.4	5
54	The Clinical Value and Appropriateness Criteria of Upper Abdominal Magnetic Resonance Examinations in Patients Before and After Bariatric Surgery: a Study of 837 Images. <i>Obesity Surgery</i> , <b>2020</b> , 30, 3784-3791	3.7	4
53	Cerebral Blood Flow Alterations in High Myopia: An Arterial Spin Labeling Study. <i>Neural Plasticity</i> , <b>2020</b> , 2020, 6090262	3.3	4
52	Temporal bone contrast-enhanced high-resolution CT evaluation of pulsatile tinnitus after sigmoid sinus wall reconstruction. <i>Acta Radiologica</i> , <b>2019</b> , 60, 54-60	2	4
51	Neural metabolic activity in idiopathic tinnitus patients after repetitive transcranial magnetic stimulation. <i>World Journal of Clinical Cases</i> , <b>2019</b> , 7, 1582-1590	1.6	4
50	Evaluating postoperative anal fistula prognosis by diffusion-weighted MRI. <i>European Journal of Radiology</i> , <b>2020</b> , 132, 109294	4.7	4

49	Neuroanatomical Alterations in Patients With Tinnitus Before and After Sound Therapy: A Voxel-Based Morphometry Study. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 911	5.1	4
48	Brain Structural and Functional Reorganization in Tinnitus Patients Without Hearing Loss After Sound Therapy: A Preliminary Longitudinal Study. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 573858	5.1	4
47	Sound therapy can modulate the functional connectivity of the auditory network. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2021</b> , 110, 110323	5.5	4
46	Linear dimensions of normal upper airway structure by magnetic resonance imaging in Chinese Han infants and preschool children. <i>Sleep Medicine</i> , <b>2017</b> , 37, 98-104	4.6	3
45	Three-dimensional assessment of pharyngeal volume and cross-sectional area in Chinese infants and preschool children. <i>International Journal of Pediatric Otorhinolaryngology</i> , <b>2020</b> , 136, 110253	1.7	3
44	Cortical Thickness Alterations in Patients With Tinnitus Before and After Sound Therapy: A Surface-Based Morphometry Study. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 633364	5.1	3
43	Altered cerebral blood flow in patients with unilateral venous pulsatile tinnitus: an arterial spin labeling study. <i>British Journal of Radiology</i> , <b>2021</b> , 94, 20200990	3.4	3
42	Prediction of the progression of femoral head collapse in ARCO stage 2-3A osteonecrosis based on the initial bone resorption lesion. <i>British Journal of Radiology</i> , <b>2021</b> , 94, 20200981	3.4	3
41	Cerebral blood flow alterations in hemodialysis patients with and without restless legs syndrome: an arterial spin labeling study. <i>Brain Imaging and Behavior</i> , <b>2021</b> , 15, 401-409	4.1	3
40	Multiphysics coupling numerical simulation of flow-diverting stents in the treatment of patients with pulsatile tinnitus. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , <b>2021</b> , e3526	2.6	3
39	Bone remodeling in sigmoid sinus diverticulum after stenting for transverse sinus stenosis in pulsatile tinnitus: A case report. <i>World Journal of Clinical Cases</i> , <b>2021</b> , 9, 2320-2325	1.6	2
38	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. <i>Neurosurgery</i> , <b>2021</b> , 89, 549-556	3.2	2
37	Abnormal brain activity in rats with sustained hypobaric hypoxia exposure: a resting-state functional magnetic resonance imaging study. <i>Chinese Medical Journal</i> , <b>2019</b> , 132, 2621-2627	2.9	2
36	Hierarchical integrated processing of reward-related regions in obese males: A graph-theoretical-based study. <i>Appetite</i> , <b>2021</b> , 159, 105055	4.5	2
35	Pretreatment intranetwork connectivity can predict the outcomes in idiopathic tinnitus patients treated with sound therapy. <i>Human Brain Mapping</i> , <b>2021</b> , 42, 4762-4776	5.9	2
34	Dual-phase contrast-enhanced CT evaluation of dural arteriovenous fistula in patients with pulsatile tinnitus as an initial symptom.. <i>European Journal of Radiology</i> , <b>2021</b> , 148, 110137	4.7	1
33	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. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 709482	5.1	1
32	Multi-resolution 3D-HOG feature learning method for Alzheimer's Disease diagnosis.. <i>Computer Methods and Programs in Biomedicine</i> , <b>2021</b> , 214, 106574	6.9	1

31	Risk of vertebral fractures: evaluation on vertebral trabecular attenuation value and hydroxyapatite concentration in patients by chest spectral CT. <i>British Journal of Radiology</i> , <b>2021</b> , 94, 20200234	3.4	1
30	Multiphysics coupling study on the effect of blood flow pulsation in patients with pulsatile tinnitus. <i>Biocybernetics and Biomedical Engineering</i> , <b>2021</b> , 41, 1197-1207	5.7	1
29	Analysis of MR Signs to Distinguish Between ARCO Stages 2 and 3A in Osteonecrosis of the Femoral Head. <i>Journal of Magnetic Resonance Imaging</i> , <b>2021</b> ,	5.6	1
28	Diploic vein as a newly treatable cause of pulsatile tinnitus: A case report. <i>World Journal of Clinical Cases</i> , <b>2021</b> , 9, 8097-8103	1.6	1
27	Neuroanatomical Alterations in Patients With Tinnitus Before and After Sound Therapy: A Combined VBM and SCN Study. <i>Frontiers in Human Neuroscience</i> , <b>2020</b> , 14, 607452	3.3	1
26	Transverse Sinus Stenosis in Venous Pulsatile Tinnitus Patients May Lead to Brain Perfusion and White Matter Changes.. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 732113	5.1	1
25	Altered Neurovascular Coupling in Unilateral Pulsatile Tinnitus.. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 791436	5.6	0
24	Diffusion Tensor Imaging Technology to Quantitatively Assess Abnormal Changes in Patients With Thyroid-Associated Ophthalmopathy.. <i>Frontiers in Human Neuroscience</i> , <b>2021</b> , 15, 805945	3.3	0
23	Saliency-based 3D convolutional neural network for categorising common focal liver lesions on multisequence MRI. <i>Insights Into Imaging</i> , <b>2021</b> , 12, 173	5.6	0
22	Hemodynamic mechanism of pulsatile tinnitus caused by venous diverticulum treated with coil embolization.. <i>Computer Methods and Programs in Biomedicine</i> , <b>2022</b> , 215, 106617	6.9	0
21	Lateralization effects in brain white matter reorganization in patients with unilateral idiopathic tinnitus: a preliminary study. <i>Brain Imaging and Behavior</i> , <b>2021</b> , 1	4.1	0
20	Development patterns of adenoids in Chinese children without sleep-disordered breathing: a retrospective magnetic resonance imaging study with consecutive age groups. <i>Chinese Medical Journal</i> , <b>2021</b> , 134, 1500-1502	2.9	0
19	Does Training in LI-RADS Version 2018 Improve ReadersSAgreement with the Expert Consensus and Inter-reader Agreement in MRI Interpretation?. <i>Journal of Magnetic Resonance Imaging</i> , <b>2021</b> , 54, 1922-1934	5.6	0
18	Radiomics Nomograms Based on Multi-Parametric MRI for Preoperative Differential Diagnosis of Malignant and Benign Sinonasal Tumors: A Two-Centre Study. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 659905	5.3	0
17	Ocular Blood Flow Measurements in Diabetic Retinopathy Using 3D Pseudocontinuous Arterial Spin Labeling. <i>Journal of Magnetic Resonance Imaging</i> , <b>2021</b> , 53, 791-798	5.6	0
16	Characterization of Brain Microstructural Abnormalities in High Myopia Patients: A Preliminary Diffusion Kurtosis Imaging Study. <i>Korean Journal of Radiology</i> , <b>2021</b> , 22, 1142-1151	6.9	0
15	Bone Marrow Fat Measured by a Chemical Shift-Encoded Sequence (IDEAL-IQ) in Patients With and Without Metabolic Syndrome. <i>Journal of Magnetic Resonance Imaging</i> , <b>2021</b> , 54, 146-153	5.6	0
14	Stapes visualization by ultra-high resolution CT in cadaveric heads: A preliminary study. <i>European Journal of Radiology</i> , <b>2021</b> , 141, 109786	4.7	0

13	Effects of Different Degrees of Extraluminal Compression on Hemodynamics in a Prominent Transverse-Sigmoid Sinus Junction.. <i>Frontiers in Human Neuroscience</i> , <b>2022</b> , 16, 823455	3.3	○
12	Inclusion of quantitative high-density plaque in coronary computed tomographic score system to predict the time of guidewire crossing chronic total occlusion.. <i>European Radiology</i> , <b>2022</b> , 1	8	○
11	Quantitative assessment of the intraorbital segment of the optic nerve in patients with thyroid orbitopathy using diffusion tensor imaging.. <i>Acta Radiologica</i> , <b>2022</b> , 2841851221082419	2	○
10	Hemodynamics study on the relationship between the sigmoid sinus wall dehiscence and the blood flow pattern of the transverse sinus and sigmoid sinus junction.. <i>Journal of Biomechanics</i> , <b>2022</b> , 135, 111022	3.0	○
9	Using MRI to differentiate upper-lateral intracavitary pregnancy and interstitial pregnancy for the patients with pregnancies in the uterotubal junction during the first trimester.. <i>European Radiology</i> , <b>2022</b> , 1	8	○
8	Role of serum cystatin C in the prediction of contrast-induced nephropathy after intra-arterial interventions. <i>Chinese Medical Journal</i> , <b>2020</b> , 133, 408-414	2.9	
7	Diagnostic Accuracy of the Apparent Diffusion Coefficient for Microvascular Invasion in Hepatocellular Carcinoma: A Meta-analysis. <i>Journal of Clinical and Translational Hepatology</i> , <b>2022</b> , 000, 000-000	5.2	
6	Effects and mechanisms of glucose-insulin-potassium on post-procedural myocardial injury after percutaneous coronary intervention. <i>Journal of Geriatric Cardiology</i> , <b>2020</b> , 17, 554-560	1.7	
5	Computed tomography imaging features for amyloid dacryolith in the nasolacrimal excretory system: A case report. <i>World Journal of Clinical Cases</i> , <b>2021</b> , 9, 1940-1945	1.6	
4	Systematic Training of Liver Imaging Reporting and Data System Magnetic Resonance Imaging v2018 can Improve the Diagnosis of Hepatocellular Carcinoma for Different Radiologists. <i>Journal of Clinical and Translational Hepatology</i> , <b>2021</b> , 9, 537-544	5.2	
3	Long-term hemodialysis may affect enlarged perivascular spaces in maintenance hemodialysis patients: evidence from a pilot MRI study.. <i>Quantitative Imaging in Medicine and Surgery</i> , <b>2022</b> , 12, 341-353	3.6	
2	Micro-positron emission tomography imaging of angiogenesis based on F-RGD for assessing liver metastasis of colorectal cancer. <i>Hepatobiliary and Pancreatic Diseases International</i> , <b>2021</b> , 20, 345-351	2.1	
1	Altered Brain Structural Reorganization and Hierarchical Integrated Processing in Obesity.. <i>Frontiers in Neuroscience</i> , <b>2022</b> , 16, 796792	5.1	