

Zhenchang Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

107
papers

662
citations

14
h-index

20
g-index

116
ext. papers

951
ext. citations

4.1
avg. IF

4.39
L-index

#	Paper	IF	Citations
107	Brain Surface Area Alterations Correlate With Gait Impairments in Parkinson's Disease.. <i>Frontiers in Aging Neuroscience</i> , 2022 , 14, 806026	5.3	0
106	Age-related Changes in Computed Tomography Density of Thyroid Gland in Children: A Single-Center Retrospective Study in Northern China.. <i>Journal of Computer Assisted Tomography</i> , 2022 , 46, 145-149	2.2	0
105	Hemodynamic mechanism of pulsatile tinnitus caused by venous diverticulum treated with coil embolization.. <i>Computer Methods and Programs in Biomedicine</i> , 2022 , 215, 106617	6.9	0
104	Artificial intelligence stenosis diagnosis in coronary CTA: effect on the performance and consistency of readers with less cardiovascular experience.. <i>BMC Medical Imaging</i> , 2022 , 22, 28	2.9	0
103	Effects of Different Degrees of Extraluminal Compression on Hemodynamics in a Prominent Transverse-Sigmoid Sinus Junction.. <i>Frontiers in Human Neuroscience</i> , 2022 , 16, 823455	3.3	0
102	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> , 2022 , 1	8	0
101	Diagnostic Accuracy of Subtraction Coronary CT Angiography in Severely Calcified Segments: Comparison Between Readers With Different Levels of Experience.. <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 828751	5.4	
100	Comparison of Different Thoracic Aortic Wall Characteristics for Assessment of Disease Activity in Takayasu Arteritis: A Quantitative Study with 3.0 T Magnetic Resonance Imaging.. <i>Reviews in Cardiovascular Medicine</i> , 2022 , 23, 92	3.9	0
99	Study of Correlation between MRI Morphology of Primary Tumor and Extramural Vascular Invasion in Rectal Cancer. <i>Concepts in Magnetic Resonance Part B</i> , 2022 , 2022, 1-10	2.3	
98	Clinical practice guideline for body composition assessment based on upper abdominal magnetic resonance images annotated using artificial intelligence.. <i>Chinese Medical Journal</i> , 2022 , 135, 631-633	2.9	
97	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> , 2022 , 135, 111022	2.9	0
96	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> , 2022 , 1	8	0
95	Hybrid Deep Feature Fusion of 2D CNN and 3D CNN for Vestibule Segmentation from CT Images.. <i>Computational and Mathematical Methods in Medicine</i> , 2022 , 2022, 6557593	2.8	
94	Regional Neural Activity Abnormalities and Whole-Brain Functional Connectivity Reorganization in Bulimia Nervosa: Evidence From Resting-State fMRI.. <i>Frontiers in Neuroscience</i> , 2022 , 16, 858717	5.1	0
93	The effect of scan parameters on T1, T2 relaxation times measured with multi-dynamic multi-echo sequence: a phantom study.. <i>Physical and Engineering Sciences in Medicine</i> , 2022 , 1	7	0
92	Altered Neurovascular Coupling in Unilateral Pulsatile Tinnitus.. <i>Frontiers in Neuroscience</i> , 2021 , 15, 791436	3.6	0
91	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> , 2021 , 148, 110137	4.7	1

90	Diagnostic Accuracy and Generalizability of a Deep Learning-Based Fully Automated Algorithm for Coronary Artery Stenosis Detection on CCTA: A Multi-Centre Registry Study. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 707508	5.4	0
89	Effect of Emissary Vein on Hemodynamics of the Transverse- Sigmoid Sinus Junction. <i>Frontiers in Human Neuroscience</i> , 2021 , 15, 707014	3.3	
88	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> , 2021 , 15, 709482	5.1	1
87	Brain Structural and Functional Reorganization in Tinnitus Patients Without Hearing Loss After Sound Therapy: A Preliminary Longitudinal Study. <i>Frontiers in Neuroscience</i> , 2021 , 15, 573858	5.1	4
86	Correlation between glucose metabolism parameters derived from FDG and tumor TNM stages and metastasis-associated proteins in colorectal carcinoma patients. <i>BMC Cancer</i> , 2021 , 21, 258	4.8	0
85	Cortical Thickness Alterations in Patients With Tinnitus Before and After Sound Therapy: A Surface-Based Morphometry Study. <i>Frontiers in Neuroscience</i> , 2021 , 15, 633364	5.1	3
84	Computed Tomography Evaluation of Unilateral Chronic Maxillary Sinusitis With Osteitis. <i>Ear, Nose and Throat Journal</i> , 2021 , 145561321993936	1	
83	Lateralization effects in brain white matter reorganization in patients with unilateral idiopathic tinnitus: a preliminary study. <i>Brain Imaging and Behavior</i> , 2021 , 1	4.1	0
82	Altered cerebral blood flow in patients with unilateral venous pulsatile tinnitus: an arterial spin labeling study. <i>British Journal of Radiology</i> , 2021 , 94, 20200990	3.4	3
81	Vestibule segmentation from CT images with integration of multiple deep feature fusion strategies. <i>Computerized Medical Imaging and Graphics</i> , 2021 , 89, 101872	7.6	4
80	Evaluation of hemodynamic changes in nonarteritic anterior ischemic optic neuropathy using multimodality imaging. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021 , 11, 1932-1945	3.6	1
79	Magnetic resonance radiomics signatures for predicting poorly differentiated hepatocellular carcinoma: A SQUIRE-compliant study. <i>Medicine (United States)</i> , 2021 , 100, e25838	1.8	4
78	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> , 2021 , 89, 549-556	3.2	2
77	Non-invasive Diagnosis and Prognosis Values of 3D Pseudocontinuous Arterial Spin Labeling and Optical Coherence Tomography Angiography in Proliferative Diabetic Retinopathy. <i>Frontiers in Medicine</i> , 2021 , 8, 682708	4.9	
76	Subtraction improves the accuracy of coronary CT angiography for detecting obstructive disease in severely calcified segments. <i>European Radiology</i> , 2021 , 31, 6211-6219	8	2
75	Altered resting-state functional networks in patients with hemodialysis: a graph-theoretical based study. <i>Brain Imaging and Behavior</i> , 2021 , 15, 833-845	4.1	7
74	Ocular Blood Flow Measurements in Diabetic Retinopathy Using 3D Pseudocontinuous Arterial Spin Labeling. <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 53, 791-798	5.6	0
73	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> , 2021 , 31, 2896-2902	8	6

72	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> , 2021 , 94, 20200981	3.4	3
71	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> , 2021 , 42, 753-765	5.9	7
70	Why does unilateral pulsatile tinnitus occur in patients with idiopathic intracranial hypertension?. <i>Neuroradiology</i> , 2021 , 63, 209-216	3.2	8
69	Characterization of Brain Microstructural Abnormalities in High Myopia Patients: A Preliminary Diffusion Kurtosis Imaging Study. <i>Korean Journal of Radiology</i> , 2021 , 22, 1142-1151	6.9	0
68	Radiology residency training in China: results from the first retrospective nationwide survey. <i>Insights Into Imaging</i> , 2021 , 12, 25	5.6	1
67	Pretreatment intranetwork connectivity can predict the outcomes in idiopathic tinnitus patients treated with sound therapy. <i>Human Brain Mapping</i> , 2021 , 42, 4762-4776	5.9	2
66	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> , 2021 ,	5.6	1
65	Stapes visualization by ultra-high resolution CT in cadaveric heads: A preliminary study. <i>European Journal of Radiology</i> , 2021 , 141, 109786	4.7	0
64	Sound therapy can modulate the functional connectivity of the auditory network. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021 , 110, 110323	5.5	4
63	The Relationships Among Transverse Sinus Stenosis Measured by CT Venography, Venous -stenotic Pressure Gradient and Intracranial Pressure in Patients With Unilateral Venous Pulsatile Tinnitus. <i>Frontiers in Neuroscience</i> , 2021 , 15, 694731	5.1	0
62	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> , 2021 , e3526	2.6	3
61	How much abdominal fat do obese patients lose short term after laparoscopic sleeve gastrectomy? A quantitative study evaluated with MRI. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021 , 11, 4569-4582	3.6	3
60	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> , 2021 , 53, 1744-1751	5.6	6
59	Preoperative T and N Restaging of Rectal Cancer After Neoadjuvant Chemoradiotherapy: An Accuracy Comparison Between MSCT and MRI.. <i>Frontiers in Oncology</i> , 2021 , 11, 806749	5.3	0
58	The Appropriateness Criteria of Abdominal Fat Measurement at the Level of the L1-L2 Intervertebral Disc in Patients With Obesity.. <i>Frontiers in Endocrinology</i> , 2021 , 12, 784056	5.7	0
57	Transverse Sinus Stenosis in Venous Pulsatile Tinnitus Patients May Lead to Brain Perfusion and White Matter Changes.. <i>Frontiers in Neuroscience</i> , 2021 , 15, 732113	5.1	1
56	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> , 2020 , 30, 3784-3791	3.7	4
55	Reorganization of Brain White Matter in Persistent Idiopathic Tinnitus Patients Without Hearing Loss: Evidence From Baseline Data. <i>Frontiers in Neuroscience</i> , 2020 , 14, 591	5.1	11

54	Cerebral Blood Flow Alterations in High Myopia: An Arterial Spin Labeling Study. <i>Neural Plasticity</i> , 2020 , 2020, 6090262	3.3	4
53	Systematic review: The diagnostic efficacy of gadoteric acid-enhanced MRI for liver fibrosis staging. <i>European Journal of Radiology</i> , 2020 , 125, 108857	4.7	6
52	Hemodynamic study on the different therapeutic effects of SSWD resurfacing surgery on patients with pulsatile tinnitus. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 190, 105373	6.9	15
51	A 3D deep supervised densely network for small organs of human temporal bone segmentation in CT images. <i>Neural Networks</i> , 2020 , 124, 75-85	9.1	18
50	Structural and Functional Alterations in Hemodialysis Patients: A Voxel-Based Morphometry and Functional Connectivity Study. <i>Frontiers in Human Neuroscience</i> , 2020 , 14, 80	3.3	8
49	Disturbed neurovascular coupling in hemodialysis patients. <i>PeerJ</i> , 2020 , 8, e8989	3.1	6
48	Hemodynamic study of the therapeutic effects of the different degrees of sigmoid sinus diverticulum reconstruction on patients. <i>Medical Engineering and Physics</i> , 2020 , 86, 8-15	2.4	4
47	Diagnostic accuracy of quantitative diffusion parameters in the pathological grading of hepatocellular carcinoma: A meta-analysis. <i>Journal of Magnetic Resonance Imaging</i> , 2020 , 51, 1581-1593	5.6	10
46	Altered functional connectivity of the thalamus in tinnitus patients is correlated with symptom alleviation after sound therapy. <i>Brain Imaging and Behavior</i> , 2020 , 14, 2668-2678	4.1	15
45	Hemodynamic Changes in the Sigmoid Sinus of Patients With Pulsatile Tinnitus Induced by Sigmoid Sinus Wall Anomalies. <i>Otology and Neurotology</i> , 2020 , 41, e163-e167	2.6	5
44	Evaluating postoperative anal fistula prognosis by diffusion-weighted MRI. <i>European Journal of Radiology</i> , 2020 , 132, 109294	4.7	4
43	Neuroanatomical Alterations in Patients With Tinnitus Before and After Sound Therapy: A Voxel-Based Morphometry Study. <i>Frontiers in Neuroscience</i> , 2020 , 14, 911	5.1	4
42	Three-dimensional assessment of pharyngeal volume and cross-sectional area in Chinese infants and preschool children. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2020 , 136, 110253	1.7	3
41	MR elastography frequency-dependent and independent parameters demonstrate accelerated decrease of brain stiffness in elder subjects. <i>European Radiology</i> , 2020 , 30, 6614-6623	8	5
40	Lateralization Effects on Cerebral Blood Flow in Patients With Unilateral Pulsatile Tinnitus Measured With Arterial Spin Labeling. <i>Frontiers in Human Neuroscience</i> , 2020 , 14, 591260	3.3	5
39	Optic Perineuritis and Its Association With Autoimmune Diseases. <i>Frontiers in Neurology</i> , 2020 , 11, 627077	4.1	6
38	Neuroanatomical Alterations in Patients With Tinnitus Before and After Sound Therapy: A Combined VBM and SCN Study. <i>Frontiers in Human Neuroscience</i> , 2020 , 14, 607452	3.3	1
37	Magnetic resonance imaging indicator of the causes of optic neuropathy in IgG4-related ophthalmic disease. <i>BMC Medical Imaging</i> , 2019 , 19, 49	2.9	7

36	A 3D Normal Human Ear Atlas of Voxel-Based CT Images. <i>Sensing and Imaging</i> , 2019 , 20, 1	1.4	0
35	Imaging re-evaluation of the tympanic segment of the facial nerve canal using cone-beam computed tomography compared with multi-slice computed tomography. <i>European Archives of Oto-Rhino-Laryngology</i> , 2019 , 276, 1933-1941	3.5	1
34	Prediction early recurrence of hepatocellular carcinoma eligible for curative ablation using a Radiomics nomogram. <i>Cancer Imaging</i> , 2019 , 19, 21	5.6	43
33	Temporal bone contrast-enhanced high-resolution CT evaluation of pulsatile tinnitus after sigmoid sinus wall reconstruction. <i>Acta Radiologica</i> , 2019 , 60, 54-60	2	4
32	Activation of EGFR-KLF4 positive feedback loop results in acquired resistance to sorafenib in hepatocellular carcinoma. <i>Molecular Carcinogenesis</i> , 2019 , 58, 2118-2126	5	11
31	Establishment of a predictive model for short-term efficacy of transcatheter arterial chemoembolization treatment in hepatocellular carcinoma and its clinical application. <i>Journal of Cancer Research and Therapeutics</i> , 2019 , 15, 941-946	1.2	2
30	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> , 2019 , 60, 716-725	2	18
29	Overexpression of apoptosis-inducing factor mitochondrion-associated 1 (AIFM1) induces apoptosis by promoting the transcription of caspase3 and DRAM in hepatoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 498, 453-457	3.4	18
28	The Cochlear Alternating Acoustic Beam Therapy (CAABT): A pre-clinical trial. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , 2018 , 39, 401-409	2.8	3
27	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> , 2018 , 59, 1466-1474	2	24
26	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> , 2018 , 81, 228-235	5.5	14
25	Multimodality imaging features, treatment, and prognosis of post-transplant lymphoproliferative disorder in renal allografts: A case report and literature review. <i>Medicine (United States)</i> , 2018 , 97, e0531 ^{1.8}	1.8	5
24	Stewart-Treves syndrome: Magnetic resonance imaging data compared with pathological results from a single center. <i>Oncology Letters</i> , 2018 , 15, 1113-1118	2.6	4
23	Neuroanatomical Alterations in Patients with Early Stage of Unilateral Pulsatile Tinnitus: A Voxel-Based Morphometry Study. <i>Neural Plasticity</i> , 2018 , 2018, 4756471	3.3	11
22	Brain-volume changes in young and middle-aged smokers: a DARTEL-based voxel-based morphometry study. <i>Clinical Respiratory Journal</i> , 2017 , 11, 621-631	1.7	16
21	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> , 2017 , 346, 55-61	3.9	14
20	Optimization of intra-voxel incoherent motion measurement in diffusion-weighted imaging of breast cancer. <i>Journal of Applied Clinical Medical Physics</i> , 2017 , 18, 191-199	2.3	10
19	Ocular Image and Haemodynamic Features Associated with Different Gradings of Ipsilateral Internal Carotid Artery Stenosis. <i>Journal of Ophthalmology</i> , 2017 , 2017, 1842176	2	6

18	Linear dimensions of normal upper airway structure by magnetic resonance imaging in Chinese Han infants and preschool children. <i>Sleep Medicine</i> , 2017 , 37, 98-104	4.6	3
17	Aberrant sylvian vein: A newly described cause of pulsatile tinnitus. <i>Journal of International Medical Research</i> , 2017 , 45, 1481-1485	1.4	1
16	Application of texture analysis based on apparent diffusion coefficient maps in discriminating different stages of rectal cancer. <i>Journal of Magnetic Resonance Imaging</i> , 2017 , 45, 1798-1808	5.6	67
15	Imaging findings of malignant bilateral carotid body tumors: A case report and review of the literature. <i>Oncology Letters</i> , 2016 , 11, 2457-2462	2.6	7
14	CT evaluation of sigmoid plate dehiscence causing pulsatile tinnitus. <i>European Radiology</i> , 2016 , 26, 9-14	8	38
13	Correlation of MRI-detected extramural vascular invasion with regional lymph node metastasis in rectal cancer. <i>Clinical Imaging</i> , 2016 , 40, 456-60	2.7	24
12	Frequency-Dependent Neural Activity in Patients with Unilateral Vascular Pulsatile Tinnitus. <i>Neural Plasticity</i> , 2016 , 2016, 4918186	3.3	14
11	Functional Reorganizations of Brain Network in Prelingually Deaf Adolescents. <i>Neural Plasticity</i> , 2016 , 2016, 9849087	3.3	12
10	Prediction of the response of ocular adnexal lymphoma to chemotherapy using combined pretreatment dynamic contrast-enhanced and diffusion-weighted MRI. <i>Acta Radiologica</i> , 2016 , 57, 1490-1496	4	5
9	Effect of gadolinium contrast-enhanced T1-weighted magnetic resonance imaging for detecting extramural venous invasion in rectal cancer. <i>Abdominal Radiology</i> , 2016 , 41, 1736-43	3	11
8	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> , 2016 , 85, 2023-2029	4.7	18
7	Accuracy of MRI for the diagnosis of metastatic cervical lymphadenopathy in patients with thyroid cancer. <i>Radiologia Medica</i> , 2015 , 120, 959-66	6.5	13
6	Sigmoid plate dehiscence: congenital or acquired condition?. <i>European Journal of Radiology</i> , 2015 , 84, 862-4	4.7	4
5	Brain Abnormalities in Congenital Fibrosis of the Extraocular Muscles Type 1: A Multimodal MRI Imaging Study. <i>PLoS ONE</i> , 2015 , 10, e0133473	3.7	3
4	Grey matter connectivity within and between auditory, language and visual systems in prelingually deaf adolescents. <i>Restorative Neurology and Neuroscience</i> , 2015 , 33, 279-90	2.8	13
3	Explicit Filtering Based Low-Dose Differential Phase Reconstruction Algorithm with the Grating Interferometry. <i>Computational and Mathematical Methods in Medicine</i> , 2015 , 2015, 623236	2.8	1
2	Imaging and histopathological findings of lacrimal sac lymphoma. <i>Chinese Medical Journal</i> , 2014 , 127, 120-4	2.9	1
1	Phase-contrast tomosynthetic experiment on biological samples with synchrotron radiation 2010 ,		2

