

Zhenchang Wang

List of Publications by Year in descending order

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Version: 2024-02-01

109
papers

1,241
citations

471061

17
h-index

552369

26
g-index

116
all docs

116
docs citations

116
times ranked

1515
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.9	97
2	Prediction early recurrence of hepatocellular carcinoma eligible for curative ablation using a Radiomics nomogram. <i>Cancer Imaging</i> , 2019, 19, 21.	1.2	65
3	CT evaluation of sigmoid plate dehiscence causing pulsatile tinnitus. <i>European Radiology</i> , 2016, 26, 9-14.	2.3	50
4	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.	3.3	36
5	⁶⁸ Ga-somatostatin receptor analogs and ¹⁸ 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.	0.5	35
6	Correlation of MRI-detected extramural vascular invasion with regional lymph node metastasis in rectal cancer. <i>Clinical Imaging</i> , 2016, 40, 456-460.	0.8	31
7	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.	0.5	31
8	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.	1.0	29
9	Why does unilateral pulsatile tinnitus occur in patients with idiopathic intracranial hypertension?. <i>Neuroradiology</i> , 2021, 63, 209-216.	1.1	24
10	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.	2.5	22
11	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.	1.4	22
12	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.	2.6	22
13	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.	0.6	22
14	Neuroanatomical Alterations in Patients with Early Stage of Unilateral Pulsatile Tinnitus: A Voxel-Based Morphometry Study. <i>Neural Plasticity</i> , 2018, 2018, 1-7.	1.0	21
15	Activation of EGFR-CLF4 positive feedback loop results in acquired resistance to sorafenib in hepatocellular carcinoma. <i>Molecular Carcinogenesis</i> , 2019, 58, 2118-2126.	1.3	21
16	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.	1.1	20
17	Disturbed neurovascular coupling in hemodialysis patients. <i>PeerJ</i> , 2020, 8, e8989.	0.9	20
18	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.	0.6	19

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19	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.	0.9	19
20	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.	2.3	19
21	Accuracy of MRI for the diagnosis of metastatic cervical lymphadenopathy in patients with thyroid cancer. <i>Radiologia Medica</i> , 2015, 120, 959-966.	4.7	18
22	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.	1.2	18
23	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.	0.8	18
24	Functional Reorganizations of Brain Network in Prelingually Deaf Adolescents. <i>Neural Plasticity</i> , 2016, 2016, 1-10.	1.0	17
25	Grey matter connectivity within and between auditory, language and visual systems in prelingually deaf adolescents. <i>Restorative Neurology and Neuroscience</i> , 2015, 33, 279-290.	0.4	16
26	Structural and Functional Alterations in Hemodialysis Patients: A Voxel-Based Morphometry and Functional Connectivity Study. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 80.	1.0	16
27	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.	1.9	16
28	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.	1.9	16
29	Frequency-Dependent Neural Activity in Patients with Unilateral Vascular Pulsatile Tinnitus. <i>Neural Plasticity</i> , 2016, 2016, 1-9.	1.0	15
30	Effect of gadolinium contrast-enhanced T1-weighted magnetic resonance imaging for detecting extramural venous invasion in rectal cancer. <i>Abdominal Radiology</i> , 2016, 41, 1736-1743.	1.0	15
31	Optic Perineuritis and Its Association With Autoimmune Diseases. <i>Frontiers in Neurology</i> , 2020, 11, 627077.	1.1	14
32	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.	1.9	13
33	MR elastography frequency-dependent and independent parameters demonstrate accelerated decrease of brain stiffness in elder subjects. <i>European Radiology</i> , 2020, 30, 6614-6623.	2.3	13
34	Altered resting-state functional networks in patients with hemodialysis: a graph-theoretical based study. <i>Brain Imaging and Behavior</i> , 2021, 15, 833-845.	1.1	12
35	Cerebral Blood Flow Alterations in High Myopia: An Arterial Spin Labeling Study. <i>Neural Plasticity</i> , 2020, 2020, 1-7.	1.0	11
36	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.	1.0	11

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37	Magnetic resonance radiomics signatures for predicting poorly differentiated hepatocellular carcinoma. <i>Medicine (United States)</i> , 2021, 100, e25838.	0.4	11
38	Stapes visualization by ultra-high resolution CT in cadaveric heads: A preliminary study. <i>European Journal of Radiology</i> , 2021, 141, 109786.	1.2	11
39	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, 37, e3526.	1.0	11
40	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.	0.5	10
41	Imaging findings of malignant bilateral carotid body tumors: A case report and review of the literature. <i>Oncology Letters</i> , 2016, 11, 2457-2462.	0.8	10
42	Magnetic resonance imaging indicator of the causes of optic neuropathy in IgG4-related ophthalmic disease. <i>BMC Medical Imaging</i> , 2019, 19, 49.	1.4	10
43	Evaluating postoperative anal fistula prognosis by diffusion-weighted MRI. <i>European Journal of Radiology</i> , 2020, 132, 109294.	1.2	10
44	Systematic review: The diagnostic efficacy of gadoteric acid-enhanced MRI for liver fibrosis staging. <i>European Journal of Radiology</i> , 2020, 125, 108857.	1.2	10
45	Radiology residency training in China: results from the first retrospective nationwide survey. <i>Insights Into Imaging</i> , 2021, 12, 25.	1.6	10
46	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.	1.4	10
47	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.	1.1	10
48	Ocular Image and Haemodynamic Features Associated with Different Gradings of Ipsilateral Internal Carotid Artery Stenosis. <i>Journal of Ophthalmology</i> , 2017, 2017, 1-10.	0.6	9
49	Vestibule segmentation from CT images with integration of multiple deep feature fusion strategies. <i>Computerized Medical Imaging and Graphics</i> , 2021, 89, 101872.	3.5	9
50	Pretreatment intranetwork connectivity can predict the outcomes in idiopathic tinnitus patients treated with sound therapy. <i>Human Brain Mapping</i> , 2021, 42, 4762-4776.	1.9	9
51	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.	0.8	9
52	Distinct brain structural-functional network topological coupling explains different outcomes in tinnitus patients treated with sound therapy. <i>Human Brain Mapping</i> , 2022, 43, 3245-3256.	1.9	9
53	Temporal bone contrast-enhanced high-resolution CT evaluation of pulsatile tinnitus after sigmoid sinus wall reconstruction. <i>Acta Radiologica</i> , 2019, 60, 54-60.	0.5	8
54	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.	0.8	8

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55	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.	1.1	8
56	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.	0.7	7
57	Neuroanatomical Alterations in Patients With Tinnitus Before and After Sound Therapy: A Voxel-Based Morphometry Study. <i>Frontiers in Neuroscience</i> , 2020, 14, 911.	1.4	7
58	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.	1.0	7
59	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.	1.4	7
60	Hemodynamic mechanism of pulsatile tinnitus caused by venous diverticulum treated with coil embolization. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 215, 106617.	2.6	7
61	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.	0.9	7
62	Multimodality imaging features, treatment, and prognosis of post-transplant lymphoproliferative disorder in renal allografts. <i>Medicine (United States)</i> , 2018, 97, e0531.	0.4	6
63	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.	1.0	6
64	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> , 2022, 55, 610-617.	1.9	6
65	Sound therapy can modulate the functional connectivity of the auditory network. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 110, 110323.	2.5	6
66	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.	1.0	6
67	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.	0.3	6
68	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.	1.4	6
69	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.	0.8	5
70	Stewart-Treves syndrome: Magnetic resonance imaging data compared with pathological results from a single center. <i>Oncology Letters</i> , 2017, 15, 1113-1118.	0.8	5
71	Characterization of Brain Microstructural Abnormalities in High Myopia Patients: A Preliminary Diffusion Kurtosis Imaging Study. <i>Korean Journal of Radiology</i> , 2021, 22, 1142.	1.5	5
72	Subtraction improves the accuracy of coronary CT angiography for detecting obstructive disease in severely calcified segments. <i>European Radiology</i> , 2021, 31, 6211-6219.	2.3	5

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73	Brain Surface Area Alterations Correlate With Gait Impairments in Parkinson's Disease. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 806026.	1.7	5
74	Sigmoid plate dehiscence: Congenital or acquired condition?. <i>European Journal of Radiology</i> , 2015, 84, 862-864.	1.2	4
75	Aberrant sylvian vein: A newly described cause of pulsatile tinnitus. <i>Journal of International Medical Research</i> , 2017, 45, 1481-1485.	0.4	4
76	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.	0.6	4
77	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.	1.1	4
78	Editorial: Neuroimaging Approaches to the Study of Tinnitus and Hyperacusis. <i>Frontiers in Neuroscience</i> , 2021, 15, 700670.	1.4	4
79	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.	1.1	4
80	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, 32, 4565-4573.	2.3	4
81	Phase-contrast tomosynthetic experiment on biological samples with synchrotron radiation. , 2010, , .		3
82	Brain Abnormalities in Congenital Fibrosis of the Extraocular Muscles Type 1: A Multimodal MRI Imaging Study. <i>PLoS ONE</i> , 2015, 10, e0133473.	1.1	3
83	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.	0.4	3
84	The Relationships Among Transverse Sinus Stenosis Measured by CT Venography, Venous Trans-stenotic Pressure Gradient and Intracranial Pressure in Patients With Unilateral Venous Pulsatile Tinnitus. <i>Frontiers in Neuroscience</i> , 2021, 15, 694731.	1.4	3
85	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.	1.4	3
86	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.	1.3	3
87	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.	1.0	3
88	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.	0.3	3
89	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.	0.9	3
90	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.	1.5	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. <i>European Radiology</i> , 2022, 32, 6619-6627.	2.3	3
92	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.	1.3	3
93	Ocular Blood Flow Measurements in Diabetic Retinopathy Using 3D Pseudocontinuous Arterial Spin Labeling. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 791-798.	1.9	2
94	Lateralization effects in brain white matter reorganization in patients with unilateral idiopathic tinnitus: a preliminary study. <i>Brain Imaging and Behavior</i> , 2021, , 1.	1.1	2
95	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.	1.1	2
96	Altered Neurovascular Coupling in Unilateral Pulsatile Tinnitus. <i>Frontiers in Neuroscience</i> , 2021, 15, 791436.	1.4	2
97	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, 092.	0.5	2
98	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.	1.4	2
99	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, 1-8.	0.7	2
100	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.	1.4	2
101	Explicit Filtering Based Low-Dose Differential Phase Reconstruction Algorithm with the Grating Interferometry. <i>Computational and Mathematical Methods in Medicine</i> , 2015, 2015, 1-7.	0.7	1
102	A 3D Normal Human Ear Atlas of Voxel-Based CT Images. <i>Sensing and Imaging</i> , 2019, 20, 1.	1.0	1
103	Effect of Emissary Vein on Hemodynamics of the Transverse- Sigmoid Sinus Junction. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 707014.	1.0	1
104	Age-related Changes in Computed Tomography Density of Thyroid Gland in Children. <i>Journal of Computer Assisted Tomography</i> , 2021, Publish Ahead of Print, 145-149.	0.5	1
105	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> , 2022, 148, 110137.	1.2	1
106	Imaging and histopathological findings of lacrimal sac lymphoma. <i>Chinese Medical Journal</i> , 2014, 127, 120-4.	0.9	1
107	Computed Tomography Evaluation of Unilateral Chronic Maxillary Sinusitis With Osteitis. <i>Ear, Nose and Throat Journal</i> , 2021, , 014556132199393.	0.4	0
108	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.	1.2	0

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109	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.	1.1	0