Zhenchang Wang

List of Publications by Year
in descending order

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109	1,241	471509	552781
papers	citations	17	26
		h-index	g-index

116	116	116	1515
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of texture analysis based on apparent diffusion coefficient maps in discriminating different stages of rectal cancer. Journal of Magnetic Resonance Imaging, 2017, 45, 1798-1808.	3.4	97
2	Prediction early recurrence of hepatocellular carcinoma eligible for curative ablation using a Radiomics nomogram. Cancer Imaging, 2019, 19, 21.	2.8	65
3	CT evaluation of sigmoid plate dehiscence causing pulsatile tinnitus. European Radiology, 2016, 26, 9-14.	4.5	50
4	A 3D deep supervised densely network for small organs of human temporal bone segmentation in CT images. Neural Networks, 2020, 124, 75-85.	5.9	36
5	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.	1.1	35
6	Correlation of MRI-detected extramural vascular invasion with regional lymph node metastasis in rectal cancer. Clinical Imaging, 2016, 40, 456-460.	1.5	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. Acta Radiologica, 2019, 60, 716-725.	1.1	31
8	Overexpression of apoptosis-inducing factor mitochondrion-associated 1 (AIFM1) induces apoptosis by promoting the transcription of caspase3 and DRAM in hepatoma cells. Biochemical and Biophysical Research Communications, 2018, 498, 453-457.	2.1	29
9	Why does unilateral pulsatile tinnitus occur in patients with idiopathic intracranial hypertension?. Neuroradiology, 2021, 63, 209-216.	2.2	24
10	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.	4.8	22
11	Reorganization of Brain White Matter in Persistent Idiopathic Tinnitus Patients Without Hearing Loss: Evidence From Baseline Data. Frontiers in Neuroscience, 2020, 14, 591.	2.8	22
12	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.	4.7	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. Neurosurgery, 2021, 89, 549-556.	1.1	22
14	Neuroanatomical Alterations in Patients with Early Stage of Unilateral Pulsatile Tinnitus: A Voxel-Based Morphometry Study. Neural Plasticity, 2018, 2018, 1-7.	2.2	21
15	Activation of EGFRâ€KLF4 positive feedback loop results in acquired resistance to sorafenib in hepatocellular carcinoma. Molecular Carcinogenesis, 2019, 58, 2118-2126.	2.7	21
16	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.	2.1	20
17	Disturbed neurovascular coupling in hemodialysis patients. PeerJ, 2020, 8, e8989.	2.0	20
18	Brainâ€volume changes in young and middleâ€aged smokers: a <scp>DARTEL</scp>â€based voxelâ€based morphometry study. Clinical Respiratory Journal, 2017, 11, 621-631.	1.6	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. Hearing Research, 2017, 346, 55-61.	2.0	19
20	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.	4.5	19
21	Accuracy of MRI for the diagnosis of metastatic cervical lymphadenopathy in patients with thyroid cancer. Radiologia Medica, 2015, 120, 959-966.	7.7	18
22	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.	2.6	18
23	Optimization of intraâ€voxel incoherent motion measurement in diffusionâ€weighted imaging of breast cancer. Journal of Applied Clinical Medical Physics, 2017, 18, 191-199.	1.9	18
24	Functional Reorganizations of Brain Network in Prelingually Deaf Adolescents. Neural Plasticity, 2016, 2016, 1-10.	2.2	17
25	Grey matter connectivity within and between auditory, language and visual systems inÂprelingually deaf adolescents. Restorative Neurology and Neuroscience, 2015, 33, 279-290.	0.7	16
26	Structural and Functional Alterations in Hemodialysis Patients: A Voxel-Based Morphometry and Functional Connectivity Study. Frontiers in Human Neuroscience, 2020, 14, 80.	2.0	16
27	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.	3.6	16
28	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.	3.4	16
29	Frequency-Dependent Neural Activity in Patients with Unilateral Vascular Pulsatile Tinnitus. Neural Plasticity, 2016, 2016, 1-9.	2.2	15
30	Effect of gadolinium contrast-enhanced T1-weighted magnetic resonance imaging for detecting extramural venous invasion in rectal cancer. Abdominal Radiology, 2016, 41, 1736-1743.	2.1	15
31	Optic Perineuritis and Its Association With Autoimmune Diseases. Frontiers in Neurology, 2020, 11, 627077.	2.4	14
32	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.	3.4	13
33	MR elastography frequencyâ€“dependent and independent parameters demonstrate accelerated decrease of brain stiffness in elder subjects. European Radiology, 2020, 30, 6614-6623.	4.5	13
34	Altered resting-state functional networks in patients with hemodialysis: a graph-theoretical based study. Brain Imaging and Behavior, 2021, 15, 833-845.	2.1	12
35	Cerebral Blood Flow Alterations in High Myopia: An Arterial Spin Labeling Study. Neural Plasticity, 2020, 2020, 1-7.	2.2	11
36	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.	2.2	11

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37	Magnetic resonance radiomics signatures for predicting poorly differentiated hepatocellular carcinoma. Medicine (United States), 2021, 100, e25838.	1.0	11
38	Stapes visualization by ultra-high resolution CT in cadaveric heads: A preliminary study. European Journal of Radiology, 2021, 141, 109786.	2.6	11
39	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.	2.1	11
40	Prediction of the response of ocular adnexal lymphoma to chemotherapy using combined pretreatment dynamic contrast-enhanced and diffusion-weighted MRI. Acta Radiologica, 2016, 57, 1490-1496.	1.1	10
41	Imaging findings of malignant bilateral carotid body tumors: A case report and review of the literature. Oncology Letters, 2016, 11, 2457-2462.	1.8	10
42	Magnetic resonance imaging indicator of the causes of optic neuropathy in IgG4-related ophthalmic disease. BMC Medical Imaging, 2019, 19, 49.	2.7	10
43	Evaluating postoperative anal fistula prognosis by diffusion-weighted MRI. European Journal of Radiology, 2020, 132, 109294.	2.6	10
44	Systematic review: The diagnostic efficacy of gadoxetic acid-enhanced MRI for liver fibrosis staging. European Journal of Radiology, 2020, 125, 108857.	2.6	10
45	Radiology residency training in China: results from the first retrospective nationwide survey. Insights Into Imaging, 2021, 12, 25.	3.4	10
46	Brain Structural and Functional Reorganization in Tinnitus Patients Without Hearing Loss After Sound Therapy: A Preliminary Longitudinal Study. Frontiers in Neuroscience, 2021, 15, 573858.	2.8	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. Frontiers in Cardiovascular Medicine, 2021, 8, 707508.	2.4	10
48	Ocular Image and Haemodynamic Features Associated with Different Gradings of Ipsilateral Internal Carotid Artery Stenosis. Journal of Ophthalmology, 2017, 2017, 1-10.	1.3	9
49	Vestibule segmentation from CT images with integration of multiple deep feature fusion strategies. Computerized Medical Imaging and Graphics, 2021, 89, 101872.	5.8	9
50	Pretreatment intranetwork connectivity can predict the outcomes in idiopathic tinnitus patients treated with sound therapy. Human Brain Mapping, 2021, 42, 4762-4776.	3.6	9
51	Hemodynamic study of the therapeutic effects of the different degrees of sigmoid sinus diverticulum reconstruction on patients. Medical Engineering and Physics, 2020, 86, 8-15.	1.7	9
52	Distinct brain structuralâ€functional network topological coupling explains different outcomes in tinnitus patients treated with sound therapy. Human Brain Mapping, 2022, 43, 3245-3256.	3.6	9
53	Temporal bone contrast-enhanced high-resolution CT evaluation of pulsatile tinnitus after sigmoid sinus wall reconstruction. Acta Radiologica, 2019, 60, 54-60.	1.1	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. European Archives of Oto-Rhino-Laryngology, 2019, 276, 1933-1941.	1.6	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. Obesity Surgery, 2020, 30, 3784-3791.	2.1	8
56	Hemodynamic Changes in the Sigmoid Sinus of Patients With Pulsatile Tinnitus Induced by Sigmoid Sinus Wall Anomalies. Otology and Neurotology, 2020, 41, e163-e167.	1.3	7
57	Neuroanatomical Alterations in Patients With Tinnitus Before and After Sound Therapy: A Voxel-Based Morphometry Study. Frontiers in Neuroscience, 2020, 14, 911.	2.8	7
58	Lateralization Effects on Cerebral Blood Flow in Patients With Unilateral Pulsatile Tinnitus Measured With Arterial Spin Labeling. Frontiers in Human Neuroscience, 2020, 14, 591260.	2.0	7
59	Cortical Thickness Alterations in Patients With Tinnitus Before and After Sound Therapy: A Surface-Based Morphometry Study. Frontiers in Neuroscience, 2021, 15, 633364.	2.8	7
60	Hemodynamic mechanism of pulsatile tinnitus caused by venous diverticulum treated with coil embolization. Computer Methods and Programs in Biomedicine, 2022, 215, 106617.	4.7	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. Journal of Biomechanics, 2022, 135, 111022.	2.1	7
62	Multimodality imaging features, treatment, and prognosis of post-transplant lymphoproliferative disorder in renal allografts. Medicine (United States), 2018, 97, e0531.	1.0	6
63	Altered cerebral blood flow in patients with unilateral venous pulsatile tinnitus: an arterial spin labeling study. British Journal of Radiology, 2021, 94, 20200990.	2.2	6
64	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.	3.4	6
65	Sound therapy can modulate the functional connectivity of the auditory network. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 110, 110323.	4.8	6
66	Neuroanatomical Alterations in Patients With Tinnitus Before and After Sound Therapy: A Combined VBM and SCN Study. Frontiers in Human Neuroscience, 2020, 14, 607452.	2.0	6
67	Establishment of a predictive model for short-term efficacy of transcatheter arterial chemoembolization treatment in hepatocellular carcinoma and its clinical application. Journal of Cancer Research and Therapeutics, 2019, 15, 941.	0.9	6
68	Artificial intelligence stenosis diagnosis in coronary CTA: effect on the performance and consistency of readers with less cardiovascular experience. BMC Medical Imaging, 2022, 22, 28.	2.7	6
69	Linear dimensions of normal upper airway structure by magnetic resonance imaging in Chinese Han infants and preschool children. Sleep Medicine, 2017, 37, 98-104.	1.6	5
70	Stewartâ€'Treves syndrome: Magnetic resonance imaging data compared with pathological results from a single center. Oncology Letters, 2017, 15, 1113-1118.	1.8	5
71	Characterization of Brain Microstructural Abnormalities in High Myopia Patients: A Preliminary Diffusion Kurtosis Imaging Study. Korean Journal of Radiology, 2021, 22, 1142.	3.4	5
72	Subtraction improves the accuracy of coronary CT angiography for detecting obstructive disease in severely calcified segments. European Radiology, 2021, 31, 6211-6219.	4.5	5

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73	Brain Surface Area Alterations Correlate With Gait Impairments in Parkinsonâ€™s Disease. Frontiers in Aging Neuroscience, 2022, 14, 806026.	3.4	5
74	Sigmoid plate dehiscence: Congenital or acquired condition?. European Journal of Radiology, 2015, 84, 862-864.	2.6	4
75	Aberrant sylvian vein: A newly described cause of pulsatile tinnitus. Journal of International Medical Research, 2017, 45, 1481-1485.	1.0	4
76	The Cochleural Alternating Acoustic Beam Therapy (CAABT): A pre-clinical trial. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2018, 39, 401-409.	1.3	4
77	Correlation between glucose metabolism parameters derived from FDG and tumor TNM stages and metastasis-associated proteins in colorectal carcinoma patients. BMC Cancer, 2021, 21, 258.	2.6	4
78	Editorial: Neuroimaging Approaches to the Study of Tinnitus and Hyperacusis. Frontiers in Neuroscience, 2021, 15, 700670.	2.8	4
79	How much abdominal fat do obese patients lose short term after laparoscopic sleeve gastrectomy? A quantitative study evaluated with MRI. Quantitative Imaging in Medicine and Surgery, 2021, 11, 4569-4582.	2.0	4
80	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.	4.5	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. PLoS ONE, 2015, 10, e0133473.	2.5	3
83	Three-dimensional assessment of pharyngeal volume and cross-sectional area in Chinese infants and preschool children. International Journal of Pediatric Otorhinolaryngology, 2020, 136, 110253.	1.0	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. Frontiers in Neuroscience, 2021, 15, 694731.	2.8	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. Frontiers in Neuroscience, 2021, 15, 709482.	2.8	3
86	Preoperative T and N Restaging of Rectal Cancer After Neoadjuvant Chemoradiotherapy: An Accuracy Comparison Between MSCT and MRI. Frontiers in Oncology, 2021, 11, 806749.	2.8	3
87	Effects of Different Degrees of Extraluminal Compression on Hemodynamics in a Prominent Transverse-Sigmoid Sinus Junction. Frontiers in Human Neuroscience, 2022, 16, 823455.	2.0	3
88	Study of Correlation between MRI Morphology of Primary Tumor and Extramural Vascular Invasion in Rectal Cancer. Concepts in Magnetic Resonance Part B, 2022, 2022, 1-10.	0.7	3
89	Clinical practice guideline for body composition assessment based on upper abdominal magnetic resonance images annotated using artificial intelligence. Chinese Medical Journal, 2022, 135, 631-633.	2.3	3
90	The Appropriateness Criteria of Abdominal Fat Measurement at the Level of the L1-L2 Intervertebral Disc in Patients With Obesity. Frontiers in Endocrinology, 2021, 12, 784056.	3.5	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.	4.5	3
92	The effect of scan parameters on T1, T2 relaxation times measured with multi-dynamic multi-echo sequence: a phantom study. Physical and Engineering Sciences in Medicine, 2022, , 1.	2.4	3
93	Ocular Blood Flow Measurements in Diabetic Retinopathy Using 3D Pseudocontinuous Arterial Spin Labeling. Journal of Magnetic Resonance Imaging, 2021, 53, 791-798.	3.4	2
94	Lateralization effects in brain white matter reorganization in patients with unilateral idiopathic tinnitus: a preliminary study. Brain Imaging and Behavior, 2021, , 1.	2.1	2
95	Evaluation of hemodynamic changes in nonarteritic anterior ischemic optic neuropathy using multimodality imaging. Quantitative Imaging in Medicine and Surgery, 2021, 11, 1932-1945.	2.0	2
96	Altered Neurovascular Coupling in Unilateral Pulsatile Tinnitus. Frontiers in Neuroscience, 2021, 15, 791436.	2.8	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. Reviews in Cardiovascular Medicine, 2022, 23, 092.	1.4	2
98	Transverse Sinus Stenosis in Venous Pulsatile Tinnitus Patients May Lead to Brain Perfusion and White Matter Changes. Frontiers in Neuroscience, 2021, 15, 732113.	2.8	2
99	Hybrid Deep Feature Fusion of 2D CNN and 3D CNN for Vestibule Segmentation from CT Images. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-8.	1.3	2
100	Regional Neural Activity Abnormalities and Whole-Brain Functional Connectivity Reorganization in Bulimia Nervosa: Evidence From Resting-State fMRI. Frontiers in Neuroscience, 2022, 16, 858717.	2.8	2
101	Explicit Filtering Based Low-Dose Differential Phase Reconstruction Algorithm with the Grating Interferometry. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-7.	1.3	1
102	A 3D Normal Human Ear Atlas of Voxel-Based CT Images. Sensing and Imaging, 2019, 20, 1.	1.5	1
103	Effect of Emissary Vein on Hemodynamics of the Transverse- Sigmoid Sinus Junction. Frontiers in Human Neuroscience, 2021, 15, 707014.	2.0	1
104	Age-related Changes in Computed Tomography Density of Thyroid Gland in Children. Journal of Computer Assisted Tomography, 2021, Publish Ahead of Print, 145-149.	0.9	1
105	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.	2.6	1
106	Imaging and histopathological findings of lacrimal sac lymphoma. Chinese Medical Journal, 2014, 127, 120-4.	2.3	1
107	Computed Tomography Evaluation of Unilateral Chronic Maxillary Sinusitis With Osteitis. Ear, Nose and Throat Journal, 2021, , 014556132199393.	0.8	0
108	Non-invasive Diagnosis and Prognosis Values of 3D Pseudocontinuous Arterial Spin Labeling and Optical Coherence Tomography Angiography in Proliferative Diabetic Retinopathy. Frontiers in Medicine, 2021, 8, 682708.	2.6	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. Frontiers in Cardiovascular Medicine, 2022, 9, 828751.	2.4	0