Zhenghan Yang

List of Publications by Year
in descending order

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63	749	777949 13	759306 22
papers	citations	h-index	g-index

64	64	64	876
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Brain Surface Area Alterations Correlate With Gait Impairments in Parkinsonâ€™s Disease. Frontiers in Aging Neuroscience, 2022, 14, 806026.	1.7	5
2	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
3	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.	1.4	6
4	Automated segmentation of liver segment on portal venous phase MR images using a 3D convolutional neural network. Insights Into Imaging, 2022, 13, 26.	1.6	12
5	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
6	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
7	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.	1.1	0
8	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.	0.3	3
9	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.	0.9	3
10	Noninvasive Assessment of <scp>APAP</scp> (N â€acetylâ€•p â€aminophenol)â€Induced Hepatotoxicity Using Multiple <scp>MRI</scp> Parameters in an Experimental Rat Model. Journal of Magnetic Resonance Imaging, 2022, , .	1.9	3
11	Comparison of reader agreement, correlation with liver biopsy, and time-burden sampling strategies for liver proton density fat fraction measured using magnetic resonance imaging in patients with obesity: a secondary cross-sectional study. BMC Medical Imaging, 2022, 22, 92.	1.4	1
12	Altered resting-state functional networks in patients with hemodialysis: a graph-theoretical based study. Brain Imaging and Behavior, 2021, 15, 833-845.	1.1	12
13	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
14	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
15	Radiology residency training in China: results from the first retrospective nationwide survey. Insights Into Imaging, 2021, 12, 25.	1.6	10
16	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
17	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
18	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

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19	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
20	Bariatric surgery for non-alcoholic fatty liver disease in individuals with obesity (Base-NAFLD): protocol of a prospective multicenter observational follow-up study. BMC Surgery, 2021, 21, 298.	0.6	3
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	Subtraction improves the accuracy of coronary CT angiography for detecting obstructive disease in severely calcified segments. European Radiology, 2021, 31, 6211-6219.	2.3	5
23	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
24	Stapes visualization by ultra-high resolution CT in cadaveric heads: A preliminary study. European Journal of Radiology, 2021, 141, 109786.	1.2	11
25	Sound therapy can modulate the functional connectivity of the auditory network. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 110, 110323.	2.5	6
26	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.	1.4	3
27	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.	1.1	4
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.	1.9	16
29	Effect of breath holding at the end of the inspiration and expiration phases on liver stiffness measured by 2D-MR elastography. Abdominal Radiology, 2021, 46, 2516-2526.	1.0	4
30	Use of BERT (Bidirectional Encoder Representations from Transformers)-Based Deep Learning Method for Extracting Evidences in Chinese Radiology Reports: Development of a Computer-Aided Liver Cancer Diagnosis Framework. Journal of Medical Internet Research, 2021, 23, e19689.	2.1	33
31	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.	1.1	10
32	Impact of Several Factors on the Diagnostic Interpretability of Coronary Computed Tomographic Angiography Using a 256-Detector Row CT Scanner. Current Medical Imaging, 2021, 17, .	0.4	0
33	Effect of Emissary Vein on Hemodynamics of the Transverse- Sigmoid Sinus Junction. Frontiers in Human Neuroscience, 2021, 15, 707014.	1.0	1
34	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
35	Altered Neurovascular Coupling in Unilateral Pulsatile Tinnitus. Frontiers in Neuroscience, 2021, 15, 791436.	1.4	2
36	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.	1.5	3

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37	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
38	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
39	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
40	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
41	Multi-modality self-attention aware deep network for 3D biomedical segmentation. BMC Medical Informatics and Decision Making, 2020, 20, 119.	1.5	2
42	Lateralization Effects on Cerebral Blood Flow in Patients With Unilateral Pulsatile Tinnitus Measured With Arterial Spin Labeling. Frontiers in Human Neuroscience, 2020, 14, 591260.	1.0	7
43	Rapid vessel segmentation and reconstruction of head and neck angiograms using 3D convolutional neural network. Nature Communications, 2020, 11, 4829.	5.8	57
44	A Natural Language Processing Pipeline of Chinese Free-Text Radiology Reports for Liver Cancer Diagnosis. IEEE Access, 2020, 8, 159110-159119.	2.6	15
45	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
46	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
47	Deep learning analysis in coronary computed tomographic angiography imaging for the assessment of patients with coronary artery stenosis. Computer Methods and Programs in Biomedicine, 2020, 196, 105651.	2.6	42
48	The role of ancillary features for diagnosing hepatocellular carcinoma on CT: based on the Liver Imaging Reporting and Data System version 2017 algorithm. Clinical Radiology, 2020, 75, 478.e25-478.e35.	0.5	4
49	Systematic review: The diagnostic efficacy of gadoxetic acid-enhanced MRI for liver fibrosis staging. European Journal of Radiology, 2020, 125, 108857.	1.2	10
50	Alterations in the Liver Fat Fraction Features Examined by Magnetic Resonance Imaging Following Bariatric Surgery: a Self-Controlled Observational Study. Obesity Surgery, 2020, 30, 1917-1928.	1.1	7
51	Structural and Functional Alterations in Hemodialysis Patients: A Voxel-Based Morphometry and Functional Connectivity Study. Frontiers in Human Neuroscience, 2020, 14, 80.	1.0	16
52	MR Diffusional Kurtosis Imagingâ€“Based Assessment of Brain Microstructural Changes in Patients with Moyamoya Disease before and after Revascularization. American Journal of Neuroradiology, 2020, 41, 246-254.	1.2	9
53	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
54	Disturbed neurovascular coupling in hemodialysis patients. PeerJ, 2020, 8, e8989.	0.9	20

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55	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.	0.8	8
56	Morphological Neuroimaging Biomarkers for Tinnitus: Evidence Obtained by Applying Machine Learning. Neural Plasticity, 2019, 2019, 1-11.	1.0	16
57	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
58	The role of apparent diffusion coefficient values in characterization of solid focal liver lesions: a prospective and comparative clinical study. Science China Life Sciences, 2017, 60, 16-22.	2.3	11
59	Influence of Parathyroidectomy on Bone Calcium Concentration: Evaluation with Spectral CT in Patients with Secondary Hyperparathyroidism Undergoing Hemodialysisâ€”A Prospective Feasibility Study. Radiology, 2017, 284, 143-152.	3.6	12
60	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.	1.9	97
61	Effect of gadolinium contrast-enhanced T1-weighted magnetic resonance imaging for detecting extramural venous invasion in rectal cancer. Abdominal Radiology, 2016, 41, 1736-1743.	1.0	15
62	Optimal Adaptive Statistical Iterative Reconstruction Percentage in Dual-energy Monochromatic CT Portal Venography. Academic Radiology, 2016, 23, 337-343.	1.3	7
63	Correlation of MRI-detected extramural vascular invasion with regional lymph node metastasis in rectal cancer. Clinical Imaging, 2016, 40, 456-460.	0.8	31