Tao Ai

List of Publications by Citations

42	4,097	17	44
papers	citations	h-index	g-index

44	5,112	4.7	6.34
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
42	Correlation of Chest CT and RT-PCR Testing for Coronavirus Disease 2019 (COVID-19) in China: A Report of 1014 Cases. *Radiology*, **2020**, 296, E32-E40	20.5	3121
41	Serial Quantitative Chest CT Assessment of COVID-19: A Deep Learning Approach. *Radiology: Cardiothoracic Imaging*, **2020**, 2, e200075	8.3	203
40	MRI contrast agents: basic chemistry and safety. *Journal of Magnetic Resonance Imaging*, **2012**, 36, 1060-7.1	7.6	197
39	Multimodal 3D DenseNet for IDH Genotype Prediction in Gliomas. *Genes*, **2018**, 9,	4.2	64
38	Early CT features and temporal lung changes in COVID-19 pneumonia in Wuhan, China. *European Journal of Radiology*, **2020**, 128, 109017	4.7	63
37	SEMAC-VAT and MSVAT-SPACE sequence strategies for metal artifact reduction in 1.5T magnetic resonance imaging. *Investigative Radiology*, **2012**, 47, 267-76	10.1	46
36	A historical overview of magnetic resonance imaging, focusing on technological innovations. *Investigative Radiology*, **2012**, 47, 725-41	10.1	43
35	Diffusion tensor imaging in evaluation of thigh muscles in patients with polymyositis and dermatomyositis. *British Journal of Radiology*, **2014**, 87, 20140261	3.4	36
34	Monoclonal antibody-conjugated superparamagnetic iron oxide nanoparticles for imaging of epidermal growth factor receptor-targeted cells and gliomas. *Molecular Imaging*, **2015**, 14,	3.7	35
33	The developmental history of the gadolinium chelates as intravenous contrast media for magnetic resonance. *Investigative Radiology*, **2011**, 46, 807-16	10.1	35
32	Association of "initial CT" findings with mortality in older patients with coronavirus disease 2019 (COVID-19). *European Radiology*, **2020**, 30, 6186-6193	8	33
31	Diagnostic performance of CUBE MRI sequences of the knee compared with conventional MRI. *Clinical Radiology*, **2012**, 67, e58-63	2.9	25
30	Chest CT findings related to mortality of patients with COVID-19: A retrospective case-series study. *PLoS ONE*, **2020**, 15, e0237302	3.7	24
29	Metal artefact reduction in MRI at both 1.5 and 3.0 T using slice encoding for metal artefact correction and view angle tilting. *British Journal of Radiology*, **2015**, 88, 20140601	3.4	22
28	Value of diffusion-weighted magnetic resonance imaging in early diagnosis of ankylosing spondylitis. *Rheumatology International*, **2012**, 32, 4005-13	3.6	19
27	Application of whole-lesion histogram analysis of pharmacokinetic parameters in dynamic contrast-enhanced MRI of breast lesions with the CAIPIRINHA-Dixon-TWIST-VIBE technique. *Journal of Magnetic Resonance Imaging*, **2018**, 47, 91-96	5.6	17
26	Chest CT imaging features and severity scores as biomarkers for prognostic prediction in patients with COVID-19. *Annals of Translational Medicine*, **2020**, 8, 1449	3.2	17

25	Technical considerations in MR angiography: an image-based guide. *Journal of Magnetic Resonance Imaging*, **2013**, 37, 1326-41	5.6	15
24	Spectral CT Imaging of Lung Cancer: Quantitative Analysis of Spectral Parameters and Their Correlation with Tumor Characteristics. *Academic Radiology*, **2018**, 25, 1398-1404	4.3	14
23	Assessment of coronary microvascular dysfunction in hypertrophic cardiomyopathy: first-pass myocardial perfusion cardiovascular magnetic resonance imaging at 1.5 T. *Clinical Radiology*, **2013**, 68, 676-82	2.9	14
22	Segmental quantitative MR imaging analysis of diurnal variation of water content in the lumbar intervertebral discs. *Korean Journal of Radiology*, **2015**, 16, 139-45	6.9	11
21	In vivo morphological and functional evaluation of the lateral pterygoid muscle: a diffusion tensor imaging study. *British Journal of Radiology*, **2016**, 89, 20160041	3.4	9
20	MRI native T1 and T2 mapping of myocardial segments in hypertrophic cardiomyopathy: tissue remodeling manifested prior to structure changes. *British Journal of Radiology*, **2019**, 92, 20190634	3.4	9
19	Diagnosis of solitary pulmonary lesions with intravoxel incoherent motion diffusion-weighted MRI and semi-quantitative dynamic contrast-enhanced MRI. *Clinical Radiology*, **2019**, 74, 409.e7-409.e16	2.9	7
18	Modeling Chronic Dacryocystitis in Rabbits by Nasolacrimal Duct Obstruction with Self-Curing Resin. *Journal of Ophthalmology*, **2017**, 2017, 3438041	2	4
17	Contrast dose, temporal footprint, and spatial resolution tradeoffs in dynamic contrast-enhanced MRA performed in a porcine model of a carotid aneurysm. *Journal of Computer Assisted Tomography*, **2013**, 37, 105-10	2.2	2
16	Evaluation of suspicious breast lesions with diffusion kurtosis MR imaging and connection with prognostic factors. *European Journal of Radiology*, **2021**, 145, 110014	4.7	2
15	Accelerating acquisition of readout-segmented echo planar imaging with a simultaneous multi-slice (SMS) technique for diagnosing breast lesions. *European Radiology*, **2021**, 31, 2667-2676	8	2
14	Prediction of Axillary Lymph Node Metastasis in Breast Cancer using Intra-peritumoral Textural Transition Analysis based on Dynamic Contrast-enhanced Magnetic Resonance Imaging. *Academic Radiology*, **2021**,	4.3	2
13	Pathological changes of the nasolacrimal duct in rabbit models of chronic dacryocystitis: correlation with lacrimal endoscopic findings. *Graefes Archive for Clinical and Experimental Ophthalmology*, **2018**, 256, 2103-2112	3.8	2
12	Three dimensional orbital magnetic resonance T2-mapping in the evaluation of patients with Graves ophthalmopathy. *Current Medical Science*, **2017**, 37, 938-942	2.8	1
11	The Use of DCE-MRI to Evaluate the Blood Supply to the Nipple-Areola Complex: A Study in 245 Asian Women. *Aesthetic Surgery Journal*, **2021**, 41, NP346-NP354	2.4	1
10	Combination of magnetic resonance imaging and targeted contrast agent for the diagnosis of myocardial infarction. *Experimental and Therapeutic Medicine*, **2018**, 16, 3303-3308	2.1	1
9	Detection and Classification of Breast Lesions With Readout-Segmented Diffusion-Weighted Imaging in a Large Chinese Cohort. *Frontiers in Oncology*, **2021**, 11, 636471	5.3	0
8	Imaging of the Silicone Implant with a 3D SPACE MR Sequence: The Accuracy for Estimating Implant Volume and Reconstructing Implant Deformation in Breast Surgery. *Aesthetic Plastic Surgery*, **2021**, 45, 108-117	2	0

7	Non-Mass Enhancements on DCE-MRI: Development and Validation of a Radiomics-Based Signature for Breast Cancer Diagnoses. *Frontiers in Oncology*, **2021**, 11, 738330	5.3	0
6	3D images of the silicone implants in capsular contracture after breast augmentation using magnetic resonance imaging with SPACE sequence. *Journal of Plastic, Reconstructive and Aesthetic Surgery*, **2021**, 74, 2210-2216	1.7	0
5	The diagnostic performance of dynamic contrast-enhanced MRI and its correlation with subtypes of breast cancer.. *Medicine (United States)*, **2021**, 100, e28109	1.8	0
4	Chest CT findings related to mortality of patients with COVID-19: A retrospective case-series study **2020**, 15, e0237302		
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