

# Tao Ai

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

5,852  
citations

361296

20  
h-index

302012

39  
g-index

44  
all docs

44  
docs citations

44  
times ranked

12061  
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlation of Chest CT and RT-PCR Testing for Coronavirus Disease 2019 (COVID-19) in China: A Report of 1014 Cases. <i>Radiology</i> , 2020, 296, E32-E40.	3.6	4,400
2	Serial Quantitative Chest CT Assessment of COVID-19: A Deep Learning Approach. <i>Radiology: Cardiothoracic Imaging</i> , 2020, 2, e200075.	0.9	330
3	MRI contrast agents: Basic chemistry and safety. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 1060-1071.	1.9	249
4	Early CT features and temporal lung changes in COVID-19 pneumonia in Wuhan, China. <i>European Journal of Radiology</i> , 2020, 128, 109017.	1.2	92
5	Multimodal 3D DenseNet for IDH Genotype Prediction in Gliomas. <i>Genes</i> , 2018, 9, 382.	1.0	91
6	SEMAC-VAT and MSVAT-SPACE Sequence Strategies for Metal Artifact Reduction in 1.5T Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 2012, 47, 267-276.	3.5	60
7	A Historical Overview of Magnetic Resonance Imaging, Focusing on Technological Innovations. <i>Investigative Radiology</i> , 2012, 47, 725-741.	3.5	59
8	Association of "initial CT" findings with mortality in older patients with coronavirus disease 2019 (COVID-19). <i>European Radiology</i> , 2020, 30, 6186-6193.	2.3	55
9	Monoclonal Antibody-Conjugated Superparamagnetic Iron Oxide Nanoparticles for Imaging of Epidermal Growth Factor Receptor-Targeted Cells and Gliomas. <i>Molecular Imaging</i> , 2015, 14, 7290.2015.00002.	0.7	42
10	Chest CT imaging features and severity scores as biomarkers for prognostic prediction in patients with COVID-19. <i>Annals of Translational Medicine</i> , 2020, 8, 1449-1449.	0.7	42
11	Diffusion tensor imaging in evaluation of thigh muscles in patients with polymyositis and dermatomyositis. <i>British Journal of Radiology</i> , 2014, 87, 20140261.	1.0	41
12	The Developmental History of the Gadolinium Chelates as Intravenous Contrast Media for Magnetic Resonance. <i>Investigative Radiology</i> , 2011, 46, 807-816.	3.5	40
13	Chest CT findings related to mortality of patients with COVID-19: A retrospective case-series study. <i>PLoS ONE</i> , 2020, 15, e0237302.	1.1	39
14	MRI native T1 and T2 mapping of myocardial segments in hypertrophic cardiomyopathy: tissue remodeling manifested prior to structure changes. <i>British Journal of Radiology</i> , 2019, 92, 20190634.	1.0	32
15	Metal artefact reduction in MRI at both 1.5 and 3.0T using slice encoding for metal artefact correction and view angle tilting. <i>British Journal of Radiology</i> , 2015, 88, 20140601.	1.0	29
16	Application of whole-lesion histogram analysis of pharmacokinetic parameters in dynamic contrast-enhanced MRI of breast lesions with the CAIPIRINHA-Dixon-TWIST-VIBE technique. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 91-96.	1.9	28
17	Diagnostic performance of CUBE MRI sequences of the knee compared with conventional MRI. <i>Clinical Radiology</i> , 2012, 67, e58-e63.	0.5	27
18	Value of diffusion-weighted magnetic resonance imaging in early diagnosis of ankylosing spondylitis. <i>Rheumatology International</i> , 2012, 32, 4005-4013.	1.5	23

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19	Technical considerations in MR angiography: An image-based guide. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 1326-1341.	1.9	23
20	Spectral CT Imaging of Lung Cancer. <i>Academic Radiology</i> , 2018, 25, 1398-1404.	1.3	23
21	Assessment of coronary microvascular dysfunction in hypertrophic cardiomyopathy: First-pass myocardial perfusion cardiovascular magnetic resonance imaging at 1.5T. <i>Clinical Radiology</i> , 2013, 68, 676-682.	0.5	15
22	Accelerating acquisition of readout-segmented echo planar imaging with a simultaneous multi-slice (SMS) technique for diagnosing breast lesions. <i>European Radiology</i> , 2021, 31, 2667-2676.	2.3	14
23	Segmental Quantitative MR Imaging Analysis of Diurnal Variation of Water Content in the Lumbar Intervertebral Discs. <i>Korean Journal of Radiology</i> , 2015, 16, 139.	1.5	13
24	<i>In vivo</i> morphological and functional evaluation of the lateral pterygoid muscle: a diffusion tensor imaging study. <i>British Journal of Radiology</i> , 2016, 89, 20160041.	1.0	12
25	Diagnosis of solitary pulmonary lesions with intravoxel incoherent motion diffusion-weighted MRI and semi-quantitative dynamic contrast-enhanced MRI. <i>Clinical Radiology</i> , 2019, 74, 409.e7-409.e16.	0.5	10
26	Evaluation of suspicious breast lesions with diffusion kurtosis MR imaging and connection with prognostic factors. <i>European Journal of Radiology</i> , 2021, 145, 110014.	1.2	9
27	Prediction of Axillary Lymph Node Metastasis in Breast Cancer using Intra-peritumoral Textural Transition Analysis based on Dynamic Contrast-enhanced Magnetic Resonance Imaging. <i>Academic Radiology</i> , 2022, 29, S107-S115.	1.3	8
28	Non-Mass Enhancements on DCE-MRI: Development and Validation of a Radiomics-Based Signature for Breast Cancer Diagnoses. <i>Frontiers in Oncology</i> , 2021, 11, 738330.	1.3	8
29	Three dimensional orbital magnetic resonance T2-mapping in the evaluation of patients with Graves' ophthalmopathy. <i>Current Medical Science</i> , 2017, 37, 938-942.	0.7	7
30	Modeling Chronic Dacryocystitis in Rabbits by Nasolacrimal Duct Obstruction with Self-Curing Resin. <i>Journal of Ophthalmology</i> , 2017, 2017, 1-8.	0.6	6
31	The Use of DCE-MRI to Evaluate the Blood Supply to the Nipple-Areola Complex: A Study in 245 Asian Women. <i>Aesthetic Surgery Journal</i> , 2021, 41, NP346-NP354.	0.9	5
32	Pathological changes of the nasolacrimal duct in rabbit models of chronic dacryocystitis: correlation with lacrimal endoscopic findings. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2018, 256, 2103-2112.	1.0	4
33	Detection and Classification of Breast Lesions With Readout-Segmented Diffusion-Weighted Imaging in a Large Chinese Cohort. <i>Frontiers in Oncology</i> , 2021, 11, 636471.	1.3	4
34	Combination of magnetic resonance imaging and targeted contrast agent for the diagnosis of myocardial infarction. <i>Experimental and Therapeutic Medicine</i> , 2018, 16, 3303-3308.	0.8	3
35	Contrast Dose, Temporal Footprint, and Spatial Resolution Tradeoffs in Dynamic Contrast-Enhanced MRA Performed in a Porcine Model of a Carotid Aneurysm. <i>Journal of Computer Assisted Tomography</i> , 2013, 37, 105-110.	0.5	2
36	3D images of the silicone implants in capsular contracture after breast augmentation using magnetic resonance imaging with SPACE sequence. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2021, 74, 2210-2216.	0.5	2

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37	Imaging of the Silicone Implant with a 3D SPACE MR Sequence: The Accuracy for Estimating Implant Volume and Reconstructing Implant Deformation in Breast Surgery. <i>Aesthetic Plastic Surgery</i> , 2021, 45, 108-117.	0.5	1
38	The diagnostic performance of dynamic contrast-enhanced MRI and its correlation with subtypes of breast cancer. <i>Medicine (United States)</i> , 2021, 100, e28109.	0.4	1
39	Radiomic Analysis of Native T1 Mapping Images for Differential Diagnosis of Left Ventricular Hypertrophy Etiologies. <i>Iranian Journal of Radiology</i> , 2021, 18, .	0.1	0
40	Chest CT findings related to mortality of patients with COVID-19: A retrospective case-series study. , 2020, 15, e0237302.		0
41	Chest CT findings related to mortality of patients with COVID-19: A retrospective case-series study. , 2020, 15, e0237302.		0
42	Chest CT findings related to mortality of patients with COVID-19: A retrospective case-series study. , 2020, 15, e0237302.		0
43	Chest CT findings related to mortality of patients with COVID-19: A retrospective case-series study. , 2020, 15, e0237302.		0