Tao Ai

List of Publications by Year
in descending order

43 papers	5,852 citations	361045 20 h-index	301761 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. Radiology, 2020, 296, E32-E40.	3.6	4,400
2	Serial Quantitative Chest CT Assessment of COVID-19: A Deep Learning Approach. Radiology: Cardiothoracic Imaging, 2020, 2, e200075.	0.9	330
3	MRI contrast agents: Basic chemistry and safety. Journal of Magnetic Resonance Imaging, 2012, 36, 1060-1071.	1.9	249
4	Early CT features and temporal lung changes in COVID-19 pneumonia in Wuhan, China. European Journal of Radiology, 2020, 128, 109017.	1.2	92
5	Multimodal 3D DenseNet for IDH Genotype Prediction in Gliomas. Genes, 2018, 9, 382.	1.0	91
6	SEMAC-VAT and MSVAT-SPACE Sequence Strategies for Metal Artifact Reduction in 1.5T Magnetic Resonance Imaging. Investigative Radiology, 2012, 47, 267-276.	3.5	60
7	A Historical Overview of Magnetic Resonance Imaging, Focusing on Technological Innovations. Investigative Radiology, 2012, 47, 725-741.	3.5	59
8	Association of â€œinitial CTâ€•findings with mortality in older patients with coronavirus disease 2019 (COVID-19). European Radiology, 2020, 30, 6186-6193.	2.3	55
9	Monoclonal Antibodyâ€“Conjugated Superparamagnetic Iron Oxide Nanoparticles for Imaging of Epidermal Growth Factor Receptorâ€“Targeted Cells and Gliomas. Molecular Imaging, 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. Annals of Translational Medicine, 2020, 8, 1449-1449.	0.7	42
11	Diffusion tensor imaging in evaluation of thigh muscles in patients with polymyositis and dermatomyositis. British Journal of Radiology, 2014, 87, 20140261.	1.0	41
12	The Developmental History of the Gadolinium Chelates as Intravenous Contrast Media for Magnetic Resonance. Investigative Radiology, 2011, 46, 807-816.	3.5	40
13	Chest CT findings related to mortality of patients with COVID-19: A retrospective case-series study. PLoS ONE, 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. British Journal of Radiology, 2019, 92, 20190634.	1.0	32
15	Metal artefact reduction in MRI at both 1.5 and 3.0â€‰T using slice encoding for metal artefact correction and view angle tilting. British Journal of Radiology, 2015, 88, 20140601.	1.0	29
16	Application of wholeâ€lesion histogram analysis of pharmacokinetic parameters in dynamic contrastâ€enhanced MRI of breast lesions with the CAIPIRINHAâ€Dixonâ€TWISTâ€VIBE technique. Journal of Magnetic Resonance Imaging, 2018, 47, 91-96.	1.9	28
17	Diagnostic performance of CUBE MRI sequences of the knee compared with conventional MRI. Clinical Radiology, 2012, 67, e58-e63.	0.5	27
18	Value of diffusion-weighted magnetic resonance imaging in early diagnosis of ankylosing spondylitis. Rheumatology International, 2012, 32, 4005-4013.	1.5	23

#	Article	IF	Citations
19	Technical considerations in MR angiography: An imageâ€based guide. Journal of Magnetic Resonance Imaging, 2013, 37, 1326-1341.	1.9	23
20	Spectral CT Imaging of Lung Cancer. Academic Radiology, 2018, 25, 1398-1404.	1.3	23
21	Assessment of coronary microvascular dysfunction in hypertrophic cardiomyopathy: First-pass myocardial perfusion cardiovascular magnetic resonance imaging atÂ1.5ÂT. Clinical Radiology, 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. European Radiology, 2021, 31, 2667-2676.	2.3	14
23	Segmental Quantitative MR Imaging Analysis of Diurnal Variation of Water Content in the Lumbar Intervertebral Discs. Korean Journal of Radiology, 2015, 16, 139.	1.5	13
24	In vivomorphological and functional evaluation of the lateral pterygoid muscle: a diffusion tensor imaging study. British Journal of Radiology, 2016, 89, 20160041.	1.0	12
25	Diagnosis of solitary pulmonary lesions withÂintravoxel incoherent motion diffusion-weighted MRI and semi-quantitative dynamic contrast-enhanced MRI. Clinical Radiology, 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. European Journal of Radiology, 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. Academic Radiology, 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. Frontiers in Oncology, 2021, 11, 738330.	1.3	8
29	Three dimensional orbital magnetic resonance T2-mapping in the evaluation of patients with Gravesâ€™ ophthalmopathy. Current Medical Science, 2017, 37, 938-942.	0.7	7
30	Modeling Chronic Dacryocystitis in Rabbits by Nasolacrimal Duct Obstruction with Self-Curing Resin. Journal of Ophthalmology, 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. Aesthetic Surgery Journal, 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. Graefe's Archive for Clinical and Experimental Ophthalmology, 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. Frontiers in Oncology, 2021, 11, 636471.	1.3	4
34	Combination of magnetic resonance imaging and targeted contrast agent for the diagnosis of myocardial infarction. Experimental and Therapeutic Medicine, 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. Journal of Computer Assisted Tomography, 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. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2021, 74, 2210-2216.	0.5	2

#	Article	IF	Citations
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. Aesthetic Plastic Surgery, 2021, 45, 108-117.	0.5	1
38	The diagnostic performance of dynamic contrast-enhanced MRI and its correlation with subtypes of breast cancer. Medicine (United States), 2021, 100, e28109.	0.4	1
39	Radiomic Analysis of Native T1 Mapping Images for Differential Diagnosis of Left Ventricular Hypertrophy Etiologies. Iranian Journal of Radiology, 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