Fatemeh Homayounieh

List of Publications by Year
in descending order

35	1,052	566801	433756
papers	**citations**	15	31
		h-index	**g-index**

35	35	35	1674
all docs	**docs citations**	**times ranked**	**citing authors**

#	Article	IF	Citations
1	Characterization of Benign and Malignant Pancreatic Lesions with DECT Quantitative Metrics and Radiomics. Academic Radiology, 2022, 29, 705-713.	1.3	11
2	Integrative analysis for COVID-19 patient outcome prediction. Medical Image Analysis, 2021, 67, 101844.	7.0	57
3	Low contrast volume dual-energy CT of the chest: Quantitative and qualitative assessment. Clinical Imaging, 2021, 69, 305-310.	0.8	7
4	Prediction of burden and management of renal calculi from whole kidney radiomics: a multicenter study. Abdominal Radiology, 2021, 46, 2097-2106.	1.0	12
5	Prediction of Coronary Calcification and Stenosis: Role of Radiomics From Low-Dose CT. Academic Radiology, 2021, 28, 972-979.	1.3	9
6	Variations in CT Utilization, Protocols, and Radiation Doses in COVID-19 Pneumonia: Results from 28 Countries in the IAEA Study. Radiology, 2021, 298, E141-E151.	3.6	59
7	Cardiovascular Disease Risk Improves COVID-19 Patient Outcome Prediction. Lecture Notes in Computer Science, 2021, , 467-476.	1.0	0
8	Multicenter Assessment of CT Pneumonia Analysis Prototype for Predicting Disease Severity and Patient Outcome. Journal of Digital Imaging, 2021, 34, 320-329.	1.6	11
9	CovidCTNet: an open-source deep learning approach to diagnose covid-19 using small cohort of CT images. Npj Digital Medicine, 2021, 4, 29.	5.7	74
10	Use of radiomics to differentiate left atrial appendage thrombi and mixing artifacts on single-phase CT angiography. International Journal of Cardiovascular Imaging, 2021, 37, 2071-2078.	0.7	7
11	Reply to "Quality Control of Radiomics Study to Differentiate Benign and Malignant Hepatic Lesions". American Journal of Roentgenology, 2021, 216, W13-W13.	1.0	0
12	Artificial intelligence-based vessel suppression for detection of sub-solid nodules in lung cancer screening computed tomography. Quantitative Imaging in Medicine and Surgery, 2021, 11, 1134-1143.	1.1	16
13	Investigating centering, scan length, and arm position impact on radiation dose across 4 countries from 4 continents during pandemic: Mitigating key radioprotection issues. Physica Medica, 2021, 84, 125-131.	0.4	2
14	Deep learning predicts cardiovascular disease risks from lung cancer screening low dose computed tomography. Nature Communications, 2021, 12, 2963.	5.8	43
15	PRACTICAL CHALLENGES WITH IMAGING COVID-19 IN BRAZIL: MITIGATION IN AND BEYOND THE PANDEMIC. Radiation Protection Dosimetry, 2021, 195, 92-98.	0.4	2
16	A multi-center study of COVID-19 patient prognosis using deep learning-based CT image analysis and electronic health records. European Journal of Radiology, 2021, 139, 109583.	1.2	26
17	Association of AI quantified COVID-19 chest CT and patient outcome. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 435-445.	1.7	21
18	CHEST CT USAGE IN COVID-19 PNEUMONIA: MULTICENTER STUDY ON RADIATION DOSES AND DIAGNOSTIC QUALITY IN BRAZIL. Radiation Protection Dosimetry, 2021, 197, 135-145.	0.4	3

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19	Viewing Imaging Studies: How Patient Location and Imaging Site Affect Referring Physicians. Journal of Digital Imaging, 2020, 33, 334-340.	1.6	0
20	Computed Tomography Radiomics Can Predict Disease Severity and Outcome in Coronavirus Disease 2019 Pneumonia. Journal of Computer Assisted Tomography, 2020, 44, 640-646.	0.5	21
21	CT Radiomics, Radiologists, and Clinical Information in Predicting Outcome of Patients with COVID-19 Pneumonia. Radiology: Cardiothoracic Imaging, 2020, 2, e200322.	0.9	45
22	Severity and Consolidation Quantification of COVID-19 From CT Images Using Deep Learning Based on Hybrid Weak Labels. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 3529-3538.	3.9	31
23	Clinical and imaging features predict mortality in COVID-19 infection in Iran. PLoS ONE, 2020, 15, e0239519.	1.1	24
24	Multiplatform, Non-Breath-Hold Fast Scanning Protocols: Should We Stop Giving Breath-Hold Instructions for Routine Chest CT?. Canadian Association of Radiologists Journal, 2020, 72, 084653712092053.	1.1	3
25	Semiautomatic Segmentation and Radiomics for Dual-Energy CT: A Pilot Study to Differentiate Benign and Malignant Hepatic Lesions. American Journal of Roentgenology, 2020, 215, 398-405.	1.0	31
26	Accuracy of radiomics for differentiating diffuse liver diseases on non-contrast CT. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 1727-1736.	1.7	14
27	Chest CT practice and protocols for COVID-19 from radiation dose management perspective. European Radiology, 2020, 30, 6554-6560.	2.3	62
28	CT protocols and radiation doses for hematuria and urinary stones: Comparing practices in 20 countries. European Journal of Radiology, 2020, 126, 108923.	1.2	19
29	Quantitative lobar pulmonary perfusion assessment on dual-energy CT pulmonary angiography: applications in pulmonary embolism. European Radiology, 2020, 30, 2535-2542.	2.3	16
30	Accuracy of radiomics for differentiating diffuse liver diseases on non-contrast CT. , 2020, 15, 1727.		1
31	Radiation Dose for Multiregion CT Protocols: Challenges and Limitations. American Journal of Roentgenology, 2019, 213, 1100-1106.	1.0	11
32	Comparison of image quality and radiation doses between rapid kV-switching and dual-source DECT techniques in the chest. European Journal of Radiology, 2019, 119, 108639.	1.2	11
33	Competitive performance of a modularized deep neural network compared to commercial algorithms for low-dose CT image reconstruction. Nature Machine Intelligence, 2019, 1, 269-276.	8.3	256
34	Spontaneous coronary artery dissection and associated myocardial bridging: Current evidence from cohort study and case reports. Medical Hypotheses, 2019, 128, 50-53.	0.8	11
35	Deep learning in chest radiography: Detection of findings and presence of change. PLoS ONE, 2018, 13, e0204155.	1.1	136