

Domenico Mastrodicasa

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

633
citations

759233

12
h-index

642732

23
g-index

51
all docs

51
docs citations

51
times ranked

808
citing authors

#	ARTICLE	IF	CITATIONS
1	An international survey on AI in radiology in 1,041 radiologists and radiology residents part 1: fear of replacement, knowledge, and attitude. <i>European Radiology</i> , 2021, 31, 7058-7066.	4.5	86
2	AppendiXNet: Deep Learning for Diagnosis of Appendicitis from A Small Dataset of CT Exams Using Video Pretraining. <i>Scientific Reports</i> , 2020, 10, 3958.	3.3	60
3	MRI-based clinical-radiomics model predicts tumor response before treatment in locally advanced rectal cancer. <i>Scientific Reports</i> , 2021, 11, 5379.	3.3	53
4	Prognostic value of CT myocardial perfusion imaging and CT-derived fractional flow reserve for major adverse cardiac events in patients with coronary artery disease. <i>Journal of Cardiovascular Computed Tomography</i> , 2019, 13, 26-33.	1.3	45
5	An international survey on AI in radiology in 1041 radiologists and radiology residents part 2: expectations, hurdles to implementation, and education. <i>European Radiology</i> , 2021, 31, 8797-8806.	4.5	43
6	Prenatal planning of placenta previa: diagnostic accuracy of a novel MRI-based prediction model for placenta accreta spectrum (PAS) and clinical outcome. <i>Abdominal Radiology</i> , 2019, 44, 1873-1882.	2.1	41
7	Bladder cancer: do we need contrast injection for MRI assessment of muscle invasion? A prospective multi-reader VI-RADS approach. <i>European Radiology</i> , 2021, 31, 3874-3883.	4.5	34
8	Tumor detectability and conspicuity comparison of standard b1000 and ultrahigh b2000 diffusion-weighted imaging in rectal cancer. <i>Abdominal Radiology</i> , 2019, 44, 3595-3605.	2.1	24
9	Artificial intelligence machine learning-based coronary CT fractional flow reserve (CT-FFRML): Impact of iterative and filtered back projection reconstruction techniques. <i>Journal of Cardiovascular Computed Tomography</i> , 2019, 13, 331-335.	1.3	21
10	Bone marrow magnetic resonance imaging: physiologic and pathologic findings that radiologist should know. <i>Radiologia Medica</i> , 2021, 126, 264-276.	7.7	20
11	Cost-effectiveness of dual-energy CT versus multiphasic single-energy CT and MRI for characterization of incidental indeterminate renal lesions. <i>Abdominal Radiology</i> , 2020, 45, 1896-1906.	2.1	19
12	Dual-Energy CT of the Pancreas. <i>Seminars in Ultrasound, CT and MRI</i> , 2019, 40, 509-514.	1.5	15
13	Radiomics-based machine learning differentiates "ground-glass" opacities due to COVID-19 from acute non-COVID-19 lung disease. <i>Scientific Reports</i> , 2021, 11, 17237.	3.3	15
14	Value of Machine Learning-based Coronary CT Fractional Flow Reserve Applied to Triple-Rule-Out CT Angiography in Acute Chest Pain. <i>Radiology: Cardiothoracic Imaging</i> , 2020, 2, e190137.	2.5	13
15	Emerging methods for the characterization of ischemic heart disease: ultrafast Doppler angiography, micro-CT, photon-counting CT, novel MRI and PET techniques, and artificial intelligence. <i>European Radiology Experimental</i> , 2021, 5, 12.	3.4	13
16	Machine learning for endoleak detection after endovascular aortic repair. <i>Scientific Reports</i> , 2020, 10, 18343.	3.3	12
17	Prevalence and Clinical Relevance of Extracardiac Findings in Cardiovascular Magnetic Resonance Imaging. <i>Journal of Thoracic Imaging</i> , 2019, 34, 48-55.	1.5	10
18	Coronary Artery Calcium Scoring. <i>Investigative Radiology</i> , 2022, 57, 13-22.	6.2	10

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19	CTA pulmonary artery enlargement in patients with severe aortic stenosis: Prognostic impact after TAVR. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 431-440.	1.3	10
20	Results of Late Gadolinium Enhancement in Children Affected by Dilated Cardiomyopathy. <i>Frontiers in Pediatrics</i> , 2017, 5, 13.	1.9	9
21	Predictive Value of Cardiac CTA, Cardiac MRI, and Transthoracic Echocardiography for Cardioembolic Stroke Recurrence. <i>American Journal of Roentgenology</i> , 2021, 217, 336-346.	2.2	7
22	Multiple liver pseudotumors due to hepatic steatosis and fatty sparing: A non-invasive imaging approach. <i>European Journal of Radiology Open</i> , 2019, 6, 56-59.	1.6	6
23	Impact of Upstream Medical Image Processing on Downstream Performance of a Head CT Triage Neural Network. <i>Radiology: Artificial Intelligence</i> , 2021, 3, e200229.	5.8	6
24	The Multi-modality Cardiac Imaging Approach to Cardiac Sarcoidosis. <i>Current Medical Imaging</i> , 2018, 15, 10-20.	0.8	6
25	Coronary Computed Tomography Angiography in Diagnosing Obstructive Coronary Artery Disease in Patients with Advanced Chronic Kidney Disease: A Systematic Review and Meta-Analysis. <i>CardioRenal Medicine</i> , 2021, 11, 44-51.	1.9	5
26	Diagnostic performance of single-phase dual-energy CT to differentiate vascular and nonvascular incidental renal lesions on portal venous phase: comparison with CT. <i>European Radiology</i> , 2021, 31, 9600-9611.	4.5	5
27	Deep Reinforcement Learning for Localization of the Aortic Annulus in Patients with Aortic Dissection. <i>Lecture Notes in Computer Science</i> , 2020, , 94-105.	1.3	5
28	Quantitative inversion time prescription for myocardial late gadolinium enhancement using T1-mapping-based synthetic inversion recovery imaging: reducing subjectivity in the estimation of inversion time. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 921-929.	1.5	4
29	Cardiac implantable electronic devices and chemotherapy: A risky combination. <i>Cor Et Vasa</i> , 2018, 60, e469-e471.	0.1	4
30	Conspicuity and muscle-invasiveness assessment for bladder cancer using VI-RADS: a multi-reader, contrast-free MRI study to determine optimal b-values for diffusion-weighted imaging. <i>Abdominal Radiology</i> , 2022, 47, 1862-1872.	2.1	4
31	Nonbinary quantification technique accounting for myocardial infarct heterogeneity: Feasibility of applying percent infarct mapping in patients. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 788-798.	3.4	3
32	Diffusion-Weighted MR Imaging of Primary and Secondary Lung Cancer: Predictive Value for Response to Transpulmonary Chemoembolization and Transarterial Chemoperfusion. <i>Journal of Vascular and Interventional Radiology</i> , 2020, 31, 301-310.	0.5	3
33	Computed Tomographic Angiography-Based Fractional Flow Reserve Compared With Catheter-Based Dobutamine-Stress Diastolic Fractional Flow Reserve in Symptomatic Patients With a Myocardial Bridge and No Obstructive Coronary Artery Disease. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e009576.	2.6	3
34	Quantitative image features from radiomic biopsy differentiate oncocytoma from chromophobe renal cell carcinoma. <i>Journal of Medical Imaging</i> , 2021, 8, 054501.	1.5	3
35	Tetralogy of Fallot and Aortic Dissection. <i>JACC: Case Reports</i> , 2022, 4, 581-586.	0.6	3
36	New Imaging Techniques for Atherosclerotic Plaque Characterization. <i>Current Radiology Reports</i> , 2017, 5, 1.	1.4	2

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37	In-Hospital Cost Comparison of Triple-Rule-Out Computed Tomography Angiography Versus Standard of Care in Patients With Acute Chest Pain. <i>Journal of Thoracic Imaging</i> , 2020, 35, 198-203.	1.5	2
38	Non-invasive assessment of cirrhosis using multiphase dual-energy CT iodine maps: correlation with model for end-stage liver disease score. <i>Abdominal Radiology</i> , 2021, 46, 1931-1940.	2.1	2
39	Multimodality Imaging of Hepatocellular Carcinoma: From Diagnosis to Treatment Response Assessment in Everyday Clinical Practice. <i>Canadian Association of Radiologists Journal</i> , 2021, 72, 714-727.	2.0	2
40	Low-dose coronary calcium scoring CT using a dedicated reconstruction filter for kV-independent calcium measurements. <i>European Radiology</i> , 2022, 32, 4225-4233.	4.5	2
41	Computer-assisted detection of acute pulmonary embolism at CT pulmonary angiography in children and young adults: a diagnostic performance analysis. <i>Acta Radiologica</i> , 2019, 60, 1011-1019.	1.1	1
42	A highly-detailed anatomical study of normal pericardial structures as revealed by in-vivo computed tomography and magnetic resonance images and ex-vivo novel 3D reconstructions from Visible Human Server. <i>Imaging</i> , 2021, 13, 1-12.	0.3	1
43	Aliased Flow Signal Planimetry by Cardiovascular Magnetic Resonance Imaging for Grading Aortic Stenosis Severity: A Prospective Pilot Study. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 752340.	2.4	1
44	Uncommon Isolated Unilocular Myocardial Cyst in a Dog-Friendly Young Female Patient – Multimodality Imaging. <i>Circulation Journal</i> , 2017, 81, 1056-1058.	1.6	0
45	Ct-angiography Based Fractional Flow Reserve Compared To Catheter-based, Dobutamine-stress Diastolic Fractional Flow Reserve In Symptomatic Patients With Myocardial Bridges. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, S3.	1.3	0
46	Unexplained Cardiac Arrest After Near Drowning in a Young Experienced Swimmer: Insight from Cardiovascular Magnetic Resonance Imaging. <i>Iranian Journal of Radiology</i> , 2016, 13, e36779.	0.2	0
47	Vieussens' ring coronary collateral circulation: a natural bypass history.. <i>Acta Biomedica</i> , 2022, 93, e2022111.	0.3	0