

Damiano Caruso

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

94
papers

1,785
citations

23
h-index

39
g-index

104
ext. papers

2,397
ext. citations

4.6
avg. IF

4.99
L-index

#	Paper	IF	Citations
94	Chest CT Features of COVID-19 in Rome, Italy. <i>Radiology</i> , 2020 , 296, E79-E85	20.5	360
93	Visceral fat shows the strongest association with the need of intensive care in patients with COVID-19. <i>Metabolism: Clinical and Experimental</i> , 2020 , 111, 154319	12.7	100
92	Cinematic Rendering in CT: A Novel, Lifelike 3D Visualization Technique. <i>American Journal of Roentgenology</i> , 2017 , 209, 370-379	5.4	95
91	Diagnostic performance of computed tomography and magnetic resonance imaging for detecting peritoneal metastases: systematic review and meta-analysis. <i>Radiologia Medica</i> , 2017 , 122, 1-15	6.5	70
90	Single- and dual-energy CT of the abdomen: comparison of radiation dose and image quality of 2nd and 3rd generation dual-source CT. <i>European Radiology</i> , 2017 , 27, 642-650	8	65
89	Performance of diffusion-weighted imaging, perfusion imaging, and texture analysis in predicting tumoral response to neoadjuvant chemoradiotherapy in rectal cancer patients studied with 3T MR: initial experience. <i>Abdominal Radiology</i> , 2016 , 41, 1728-35	3	55
88	Coronary CT angiography derived morphological and functional quantitative plaque markers correlated with invasive fractional flow reserve for detecting hemodynamically significant stenosis. <i>Journal of Cardiovascular Computed Tomography</i> , 2016 , 10, 199-206	2.8	48
87	Virtual unenhanced imaging of the liver with third-generation dual-source dual-energy CT and advanced modeled iterative reconstruction. <i>European Journal of Radiology</i> , 2016 , 85, 1257-64	4.7	43
86	Optimization of window settings for virtual monoenergetic imaging in dual-energy CT of the liver: A multi-reader evaluation of standard monoenergetic and advanced imaged-based monoenergetic datasets. <i>European Journal of Radiology</i> , 2016 , 85, 695-9	4.7	39
85	Automated tube voltage selection for radiation dose and contrast medium reduction at coronary CT angiography using 3(rd) generation dual-source CT. <i>European Radiology</i> , 2016 , 26, 3608-16	8	37
84	Accuracy of Noncontrast Quiescent-Interval Single-Shot Lower Extremity MR Angiography Versus CT Angiography for Diagnosis of Peripheral Artery Disease: Comparison With Digital Subtraction Angiography. <i>JACC: Cardiovascular Imaging</i> , 2017 , 10, 1116-1124	8.4	34
83	A noise-optimized virtual monoenergetic reconstruction algorithm improves the diagnostic accuracy of late hepatic arterial phase dual-energy CT for the detection of hypervascular liver lesions. <i>European Radiology</i> , 2018 , 28, 3393-3404	8	33
82	Can dual-energy computed tomography improve visualization of hypoenhancing liver lesions in portal venous phase? Assessment of advanced image-based virtual monoenergetic images. <i>Clinical Imaging</i> , 2017 , 41, 118-124	2.7	29
81	Typical and atypical COVID-19 computed tomography findings. <i>World Journal of Clinical Cases</i> , 2020 , 8, 3177-3187	1.6	28
80	Artificial intelligence in cardiac radiology. <i>Radiologia Medica</i> , 2020 , 125, 1186-1199	6.5	28
79	Quantitative Chest CT analysis in discriminating COVID-19 from non-COVID-19 patients. <i>Radiologia Medica</i> , 2021 , 126, 243-249	6.5	28
78	The optimal contrast media policy in CT of the liver. Part I: Technical notes. <i>Acta Radiologica</i> , 2011 , 52, 467-72	2	26

77	Impact of coronavirus disease 2019 (COVID-19) emergency on Italian radiologists: a national survey. <i>European Radiology</i> , 2020 , 30, 6635-6644	8	26
76	Dynamic CT myocardial perfusion imaging. <i>European Journal of Radiology</i> , 2016 , 85, 1893-1899	4.7	25
75	Haralick's texture features for the prediction of response to therapy in colorectal cancer: a preliminary study. <i>Radiologia Medica</i> , 2018 , 123, 161-167	6.5	25
74	Diffusion-Weighted Imaging in Oncology: An Update. <i>Cancers</i> , 2020 , 12,	6.6	24
73	Diagnostic accuracy of coronary CT angiography using 3-generation dual-source CT and automated tube voltage selection: Clinical application in a non-obese and obese patient population. <i>European Radiology</i> , 2017 , 27, 2298-2308	8	23
72	Post-Acute Sequelae of COVID-19 Pneumonia: Six-month Chest CT Follow-up. <i>Radiology</i> , 2021 , 301, E396-E405	6.4	23
71	Myocardial perfusion imaging with dual energy CT. <i>European Journal of Radiology</i> , 2016 , 85, 1914-1921	4.7	22
70	A noise-optimized virtual monochromatic reconstruction algorithm improves stent visualization and diagnostic accuracy for detection of in-stent re-stenosis in lower extremity run-off CT angiography. <i>European Radiology</i> , 2016 , 26, 4380-4389	8	21
69	T(Rho) and magnetization transfer and INVersion recovery (TRAMINER)-prepared imaging: A novel contrast-enhanced flow-independent dark-blood technique for the evaluation of myocardial late gadolinium enhancement in patients with myocardial infarction. <i>Journal of Magnetic Resonance Imaging</i> , 2017 , 45, 1429-1437	5.6	21
68	Optimization of window settings for standard and advanced virtual monoenergetic imaging in abdominal dual-energy CT angiography. <i>Abdominal Radiology</i> , 2017 , 42, 772-780	3	21
67	Effect of automated tube voltage selection, integrated circuit detector and advanced iterative reconstruction on radiation dose and image quality of 3rd generation dual-source aortic CT angiography: An intra-individual comparison. <i>European Journal of Radiology</i> , 2016 , 85, 972-8	4.7	20
66	Dynamic contrast-enhanced magnetic resonance imaging in locally advanced rectal cancer: role of perfusion parameters in the assessment of response to treatment. <i>Radiologia Medica</i> , 2019 , 124, 331-338	6.5	20
65	Optimisation of window settings for traditional and noise-optimised virtual monoenergetic imaging in dual-energy computed tomography pulmonary angiography. <i>European Radiology</i> , 2018 , 28, 1393-1401	8	18
64	Radiomics and Magnetic Resonance Imaging of Rectal Cancer: From Engineering to Clinical Practice. <i>Diagnostics</i> , 2021 , 11,	3.8	17
63	Lean Body Weight-Tailored Iodinated Contrast Injection in Obese Patient: Boer versus James Formula. <i>BioMed Research International</i> , 2018 , 2018, 8521893	3	17
62	Automated Segmentation of Colorectal Tumor in 3D MRI Using 3D Multiscale Densely Connected Convolutional Neural Network. <i>Journal of Healthcare Engineering</i> , 2019 , 2019, 1075434	3.7	16
61	Optimizing Contrast Media Injection Protocols in Computed Tomography Angiography at Different Tube Voltages: Evaluation in a Circulation Phantom. <i>Journal of Computer Assisted Tomography</i> , 2017 , 41, 804-810	2.2	16
60	Modified calcium subtraction in dual-energy CT angiography of the lower extremity runoff: impact on diagnostic accuracy for stenosis detection. <i>European Radiology</i> , 2019 , 29, 4783-4793	8	15

59	Dual-Energy Computed Tomography in Cardiothoracic Vascular Imaging. <i>Radiologic Clinics of North America</i> , 2018 , 56, 521-534	2.3	15
58	Coronary Computed Tomography Angiography-Derived Plaque Quantification in Patients With Acute Coronary Syndrome. <i>American Journal of Cardiology</i> , 2017 , 119, 712-718	3	13
57	Magnetic resonance tumor regression grade (MR-TRG) to assess pathological complete response following neoadjuvant radiochemotherapy in locally advanced rectal cancer. <i>Oncotarget</i> , 2017 , 8, 114746-114753	2.3	13
56	Correction Factors for CT Coronary Artery Calcium Scoring Using Advanced Modeled Iterative Reconstruction Instead of Filtered Back Projection. <i>Academic Radiology</i> , 2016 , 23, 1480-1489	4.3	13
55	High concentration (400 mgI/mL) versus low concentration (320 mgI/mL) iodinated contrast media in multi detector computed tomography of the liver: a randomized, single centre, non-inferiority study. <i>European Journal of Radiology</i> , 2012 , 81, 3096-101	4.7	13
54	The optimal contrast media policy in CT of the liver. Part II: Clinical protocols. <i>Acta Radiologica</i> , 2011 , 52, 473-80	2	12
53	Structured Reporting of Rectal Cancer Staging and Restaging: A Consensus Proposal. <i>Cancers</i> , 2021 , 13,	6.6	12
52	Radiomics in Oncology, Part 2: Thoracic, Genito-Urinary, Breast, Neurological, Hematologic and Musculoskeletal Applications. <i>Cancers</i> , 2021 , 13,	6.6	11
51	CT angiography for planning transcatheter aortic valve replacement using automated tube voltage selection: Image quality and radiation exposure. <i>European Journal of Radiology</i> , 2017 , 86, 276-283	4.7	10
50	Iterative beam-hardening correction with advanced modeled iterative reconstruction in low voltage CT coronary calcium scoring with tin filtration: Impact on coronary artery calcium quantification and image quality. <i>Journal of Cardiovascular Computed Tomography</i> , 2017 , 11, 354-359	2.8	10
49	Half-dose Coronary Artery Calcium Scoring: Impact of Iterative Reconstruction. <i>Journal of Thoracic Imaging</i> , 2019 , 34, 18-25	5.6	10
48	CT based radiomic approach on first line pembrolizumab in lung cancer. <i>Scientific Reports</i> , 2021 , 11, 66334.9	4.9	9
47	Radiomics in Oncology, Part 1: Technical Principles and Gastrointestinal Application in CT and MRI. <i>Cancers</i> , 2021 , 13,	6.6	9
46	Haralick's Texture Analysis Applied to Colorectal T2-Weighted MRI: A Preliminary Study of Significance for Cancer Evolution 2017 ,		8
45	MDCT of the liver in obese patients: evaluation of a different method to optimize iodine dose. <i>Abdominal Radiology</i> , 2017 , 42, 2420-2427	3	8
44	Radiogenomics in Clear Cell Renal Cell Carcinoma: Correlations Between Advanced CT Imaging (Texture Analysis) and MicroRNAs Expression. <i>Technology in Cancer Research and Treatment</i> , 2019 , 18, 1533033819878458	2.7	8
43	Vascular Imaging Before Transcatheter Aortic Valve Replacement (TAVR): Why and How?. <i>Current Cardiology Reports</i> , 2016 , 18, 14	4.2	8
42	Carotid and cerebrovascular dual-energy computed tomography angiography: Optimization of window settings for virtual monoenergetic imaging reconstruction. <i>European Journal of Radiology</i> , 2020 , 130, 109166	4.7	8

41	Imaging side effects and complications of chemotherapy and radiation therapy: a pictorial review from head to toe. <i>Insights Into Imaging</i> , 2021 , 12, 76	5.6	8
40	Involvement of radiologists in oncologic multidisciplinary team meetings: an international survey by the European Society of Oncologic Imaging. <i>European Radiology</i> , 2021 , 31, 983-991	8	8
39	Contrast media injection protocol optimization for dual-energy coronary CT angiography: results from a circulation phantom. <i>European Radiology</i> , 2018 , 28, 3473-3481	8	7
38	CT texture analysis of liver metastases in PNETs versus NPNETs: Correlation with histopathological findings. <i>European Journal of Radiology</i> , 2020 , 124, 108812	4.7	7
37	Magnetic Resonance of Rectal Cancer Response to Therapy: An Image Quality Comparison between 3.0 and 1.5 Tesla. <i>BioMed Research International</i> , 2020 , 2020, 9842732	3	7
36	Value of minimum intensity projections for chest CT in COVID-19 patients. <i>European Journal of Radiology</i> , 2021 , 135, 109478	4.7	7
35	USPIO-labeling in M1 and M2-polarized macrophages: An in vitro study using a clinical magnetic resonance scanner. <i>Journal of Cellular Physiology</i> , 2018 , 233, 5823-5828	7	7
34	Chest CT texture-based radiomics analysis in differentiating COVID-19 from other interstitial pneumonia. <i>Radiologia Medica</i> , 2021 , 126, 1415-1424	6.5	7
33	Layered enhancement at magnetic resonance enterography in inflammatory bowel disease: A meta-analysis. <i>World Journal of Gastroenterology</i> , 2019 , 25, 4555-4566	5.6	5
32	How new technologies could impact on radiology diagnosis and assessment of pancreatic lesions: Future perspectives. <i>Endoscopic Ultrasound</i> , 2018 , 7, 310-313	3.6	4
31	Imaging of abdominal complications of COVID-19 infection. <i>BJR/Open</i> , 2021 , 2, 20200052	1.4	4
30	Bowel preparation in CT colonography: Is diet restriction necessary? A randomised trial (DIETSAN). <i>European Radiology</i> , 2018 , 28, 382-389	8	4
29	2018 ,		3
28	Segmenting MR Images by Level-Set Algorithms for Perspective Colorectal Cancer Diagnosis. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2018 , 396-406	0.3	3
27	Optimization of contrast medium volume for abdominal CT in oncologic patients: prospective comparison between fixed and lean body weight-adapted dosing protocols. <i>Insights Into Imaging</i> , 2021 , 12, 40	5.6	3
26	Dynamic MR of the pelvic floor: Influence of alternative methods to draw the pubococcygeal line (PCL) on the grading of pelvic floor descent. <i>European Journal of Radiology Open</i> , 2019 , 6, 187-191	2.6	2
25	Diagnostic yield of CT-guided lung biopsies: how can we limit negative sampling?. <i>British Journal of Radiology</i> , 2021 , 20210434	3.4	2
24	Influence of Adaptive Statistical Iterative Reconstructions on CT Radiomic Features in Oncologic Patients. <i>Diagnostics</i> , 2021 , 11,	3.8	2

23	Diagnostic performance of CT lung severity score and quantitative chest CT for stratification of COVID-19 patients.. <i>Radiologia Medica</i> , 2022 , 127, 309	6.5	2
22	The Role of MRI and CT in the Diagnosis of Atherosclerosis in an Aging Population. <i>Current Radiology Reports</i> , 2016 , 4, 1	0.5	1
21	Prognostic role of pre-treatment magnetic resonance imaging (MRI)-based radiomic analysis in effectively cured head and neck squamous cell carcinoma (HNSCC) patients. <i>Acta Oncologica</i> , 2021 , 60, 1192-1200	3.2	1
20	The Role of Contrast-Enhanced Imaging for Colorectal Cancer Management. <i>Current Colorectal Cancer Reports</i> , 2019 , 15, 181-189	1	1
19	Radiomics and functional imaging in lung cancer: the importance of radiological heterogeneity beyond FDG PET/CT and lung biopsy. <i>European Journal of Radiology</i> , 2021 , 142, 109874	4.7	1
18	Management decisions of an Academic Radiology Department during COVID-19 pandemic: the important support of a business analytics software.. <i>European Radiology</i> , 2022 , 1	8	1
17	Magnetic resonance imaging radiomics in prostate cancer radiology: what is currently known?. <i>Digital Diagnostics</i> , 2022 , 2, 441-452	1.8	0
16	Post-infarction ventricular septal rupture with a contained right ventricular pseudoaneurysm formation.. <i>BJR/case Reports</i> , 2022 , 8, 20210129	0.7	0
15	Twenty Years On: RECIST as a Biomarker of Response in Solid Tumours an EORTC Imaging Group - ESOI Joint Paper.. <i>Frontiers in Oncology</i> , 2021 , 11, 800547	5.3	0
14	Rectal cancer response to neoadjuvant chemoradiotherapy evaluated with MRI: Development and validation of a classification algorithm.. <i>European Journal of Radiology</i> , 2022 , 147, 110146	4.7	0
13	Computer Aided Effective Prediction of Complete Responders After Radiochemotherapy Based on Tumor Regression Grade Estimated by MR Imaging. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2019 , 257-266	0.3	0
12	CT myocardial perfusion: state of the science. <i>Minerva Cardiology and Angiology</i> , 2017 , 65, 252-264	2.4	0
11	Low-volume reduced bowel preparation regimen for CT colonography: a randomized noninferiority trial. <i>Abdominal Radiology</i> , 2021 , 46, 4556-4566	3	0
10	MRI of the endometrium - from normal appearances to rare pathology. <i>British Journal of Radiology</i> , 2021 , 94, 20201347	3.4	0
9	Aneurysm of VieussensArterial ring in a patient studied with coronary computed tomography. <i>Journal of Cardiovascular Medicine</i> , 2015 , 16 Suppl 2, S84-5	1.9	
8	The Challenging Patient. <i>Contemporary Medical Imaging</i> , 2019 , 125-130	0.1	
7	Overview of Myocardial T1 Mapping Applications. <i>Current Radiology Reports</i> , 2015 , 3, 1	0.5	
6	Computed Tomography of the Liver. <i>Medical Radiology</i> , 2021 , 77-98	0.2	

5 Radiomics and artificial intelligence **2021**,

4 Perioperative Chemotherapy with FLOT Scheme in Resectable Gastric Adenocarcinoma: A Preliminary Correlation between TRG and Radiomics. *Applied Sciences (Switzerland)*, **2021**, 11, 9211 2.6

3 Virtual Colonoscopy **2020**, 707-714

2 Aspiration Thrombectomy with the Indigo System for Acute Lower Limb Ischemia: Preliminary experience and analysis of parameters affecting the outcome. *Annals of Vascular Surgery*, **2021**, 76, 426-435 1.7

1 Severe chest allodynia as an unusual first presentation of hydatid disease: a case report. *BMC Infectious Diseases*, **2019**, 19, 37 4