

# Renato Cuocolo

## 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.

100  
papers

1,089  
citations

18  
h-index

28  
g-index

116  
ext. papers

1,746  
ext. citations

4.7  
avg, IF

5.05  
L-index

#	Paper	IF	Citations
100	Machine learning applications in prostate cancer magnetic resonance imaging. <i>European Radiology Experimental</i> , <b>2019</b> , 3, 35	4.5	59
99	Clinically significant prostate cancer detection on MRI: A radiomic shape features study. <i>European Journal of Radiology</i> , <b>2019</b> , 116, 144-149	4.7	47
98	Machine Learning in oncology: A clinical appraisal. <i>Cancer Letters</i> , <b>2020</b> , 481, 55-62	9.9	46
97	Prediction of high proliferative index in pituitary macroadenomas using MRI-based radiomics and machine learning. <i>Neuroradiology</i> , <b>2019</b> , 61, 1365-1373	3.2	43
96	Machine learning analysis of MRI-derived texture features to predict placenta accreta spectrum in patients with placenta previa. <i>Magnetic Resonance Imaging</i> , <b>2019</b> , 64, 71-76	3.3	42
95	Prediction of Tumor Grade and Nodal Status in Oropharyngeal and Oral Cavity Squamous-cell Carcinoma Using a Radiomic Approach. <i>Anticancer Research</i> , <b>2020</b> , 40, 271-280	2.3	42
94	Prostate MRI radiomics: A systematic review and radiomic quality score assessment. <i>European Journal of Radiology</i> , <b>2020</b> , 129, 109095	4.7	40
93	Detection of Extraprostatic Extension of Cancer on Biparametric MRI Combining Texture Analysis and Machine Learning: Preliminary Results. <i>Academic Radiology</i> , <b>2019</b> , 26, 1338-1344	4.3	40
92	Characterization of Adrenal Lesions on Unenhanced MRI Using Texture Analysis: A Machine-Learning Approach. <i>Journal of Magnetic Resonance Imaging</i> , <b>2018</b> , 48, 198-204	5.6	39
91	MRI radiomics-based machine-learning classification of bone chondrosarcoma. <i>European Journal of Radiology</i> , <b>2020</b> , 128, 109043	4.7	27
90	Preliminary Results of a Simplified Breast MRI Protocol to Characterize Breast Lesions: Comparison with a Full Diagnostic Protocol and a Review of the Current Literature. <i>Academic Radiology</i> , <b>2017</b> , 24, 1387-1394	4.3	26
89	Machine learning for the identification of clinically significant prostate cancer on MRI: a meta-analysis. <i>European Radiology</i> , <b>2020</b> , 30, 6877-6887	8	26
88	Warranty period of normal stress myocardial perfusion imaging in diabetic patients: a propensity score analysis. <i>Journal of Nuclear Cardiology</i> , <b>2014</b> , 21, 50-6	2.1	26
87	Current applications of big data and machine learning in cardiology. <i>Journal of Geriatric Cardiology</i> , <b>2019</b> , 16, 601-607	1.7	26
86	MRI Radiomics for the Prediction of Fuhrman Grade in Clear Cell Renal Cell Carcinoma: a Machine Learning Exploratory Study. <i>Journal of Digital Imaging</i> , <b>2020</b> , 33, 879-887	5.3	24
85	Deep Learning Whole-Gland and Zonal Prostate Segmentation on a Public MRI Dataset. <i>Journal of Magnetic Resonance Imaging</i> , <b>2021</b> , 54, 452-459	5.6	23
84	Prediction of pituitary adenoma surgical consistency: radiomic data mining and machine learning on T2-weighted MRI. <i>Neuroradiology</i> , <b>2020</b> , 62, 1649-1656	3.2	22

83	PSA-density does not improve bi-parametric prostate MR detection of prostate cancer in a biopsy naïve patient population. <i>European Journal of Radiology</i> , <b>2018</b> , 104, 64-70	4.7	22
82	Prostate MRI technical parameters standardization: A systematic review on adherence to PI-RADSV2 acquisition protocol. <i>European Journal of Radiology</i> , <b>2019</b> , 120, 108662	4.7	18
81	Deep Myometrial Infiltration of Endometrial Cancer on MRI: A Radiomics-Powered Machine Learning Pilot Study. <i>Academic Radiology</i> , <b>2021</b> , 28, 737-744	4.3	18
80	A critical appraisal of the quality of head and neck cancer imaging guidelines using the AGREE II tool: A EuroAIM initiative. <i>Cancer Medicine</i> , <b>2019</b> , 8, 209-215	4.8	17
79	Spectrum of lytic lesions of the skull: a pictorial essay. <i>Insights Into Imaging</i> , <b>2018</b> , 9, 845-856	5.6	16
78	Medullary unidentified bright objects in Neurofibromatosis type 1: a case series. <i>BMC Pediatrics</i> , <b>2018</b> , 18, 91	2.6	14
77	Abbreviated Protocols Multiparametric MRI for Assessment of Extraprostatic Extension in Prostatic Carcinoma: A Multireader Study. <i>Anticancer Research</i> , <b>2019</b> , 39, 4449-4454	2.3	14
76	Relationship between epicardial adipose tissue and coronary vascular function in patients with suspected coronary artery disease and normal myocardial perfusion imaging. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2019</b> , 20, 1379-1387	4.1	14
75	Radiomic Machine Learning Classifiers in Spine Bone Tumors: A Multi-Software, Multi-Scanner Study. <i>European Journal of Radiology</i> , <b>2021</b> , 137, 109586	4.7	14
74	T2-mapping of the sacroiliac joints at 1.5 Tesla: a feasibility and reproducibility study. <i>Skeletal Radiology</i> , <b>2018</b> , 47, 1691-1696	2.7	13
73	Meningioma MRI radiomics and machine learning: systematic review, quality score assessment, and meta-analysis. <i>Neuroradiology</i> , <b>2021</b> , 63, 1293-1304	3.2	13
72	MRI index lesion radiomics and machine learning for detection of extraprostatic extension of disease: a multicenter study. <i>European Radiology</i> , <b>2021</b> , 31, 7575-7583	8	13
71	MRI based radiomics in nasopharyngeal cancer: Systematic review and perspectives using radiomic quality score (RQS) assessment. <i>European Journal of Radiology</i> , <b>2021</b> , 140, 109744	4.7	13
70	Prognostic value of coronary flow reserve in patients with suspected or known coronary artery disease referred to PET myocardial perfusion imaging: A meta-analysis. <i>Journal of Nuclear Cardiology</i> , <b>2021</b> , 28, 904-918	2.1	13
69	Diagnostic performance of myocardial perfusion imaging with conventional and CZT single-photon emission computed tomography in detecting coronary artery disease: A meta-analysis. <i>Journal of Nuclear Cardiology</i> , <b>2021</b> , 28, 698-715	2.1	13
68	Could Blockchain Technology Empower Patients, Improve Education, and Boost Research in Radiology Departments? An Open Question for Future Applications. <i>Journal of Digital Imaging</i> , <b>2019</b> , 32, 1112-1115	5.3	12
67	Does Texture Analysis of MR Images of Breast Tumors Help Predict Response to Treatment?. <i>Radiology</i> , <b>2018</b> , 286, 421-423	20.5	12
66	Distinguishing Functional from Non-functional Pituitary Macroadenomas with a Machine Learning Analysis. <i>IFMBE Proceedings</i> , <b>2020</b> , 1822-1829	0.2	12

65	Imaging characterization of benign and malignant pheochromocytoma or paraganglioma: comparison between MIBG uptake and MR signal intensity ratio. <i>Annals of Nuclear Medicine</i> , <b>2012</b> , 26, 670-5	2.5	10
64	Pretest models for predicting abnormal stress single-photon emission computed tomography myocardial perfusion imaging. <i>Journal of Nuclear Cardiology</i> , <b>2021</b> , 28, 1891-1902	2.1	10
63	Quality control and whole-gland, zonal and lesion annotations for the PROSTATEx challenge public dataset. <i>European Journal of Radiology</i> , <b>2021</b> , 138, 109647	4.7	9
62	CT and MRI radiomics of bone and soft-tissue sarcomas: a systematic review of reproducibility and validation strategies. <i>Insights Into Imaging</i> , <b>2021</b> , 12, 68	5.6	9
61	Assessment of acute myocarditis by cardiac magnetic resonance imaging: Comparison of qualitative and quantitative analysis methods. <i>Journal of Nuclear Cardiology</i> , <b>2019</b> , 26, 857-865	2.1	9
60	Prostate Volume Estimation on MRI: Accuracy and Effects of Ellipsoid and Bullet-Shaped Measurements on PSA Density. <i>Academic Radiology</i> , <b>2021</b> , 28, e219-e226	4.3	8
59	Clinically Significant Prostate Cancer Detection With Biparametric MRI: A Systematic Review and Meta-Analysis. <i>American Journal of Roentgenology</i> , <b>2021</b> , 216, 608-621	5.4	8
58	Tumor segmentation analysis at different post-contrast time points: A possible source of variability of quantitative DCE-MRI parameters in locally advanced breast cancer. <i>European Journal of Radiology</i> , <b>2020</b> , 126, 108907	4.7	7
57	Chest CT in COVID-19 patients: Structured vs conventional reporting. <i>European Journal of Radiology</i> , <b>2021</b> , 138, 109621	4.7	7
56	CT radiomics-based machine learning classification of atypical cartilaginous tumours and appendicular chondrosarcomas. <i>EBioMedicine</i> , <b>2021</b> , 68, 103407	8.8	7
55	Ultrasound, shear-wave elastography, and magnetic resonance imaging in native liver survivor patients with biliary atresia after Kasai portoenterostomy: correlation with medical outcome after treatment. <i>Acta Radiologica</i> , <b>2020</b> , 61, 1300-1308	2	6
54	MRI radiomics-based machine learning classification of atypical cartilaginous tumour and grade II chondrosarcoma of long bones.. <i>EBioMedicine</i> , <b>2021</b> , 75, 103757	8.8	6
53	Magnetic resonance parkinsonism indices and interpeduncular angle in idiopathic normal pressure hydrocephalus and progressive supranuclear palsy. <i>Neuroradiology</i> , <b>2020</b> , 62, 1657-1665	3.2	6
52	Conceptual design of a machine learning-based wearable soft sensor for non-invasive cardiovascular risk assessment. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2021</b> , 169, 108551	4.6	6
51	Effects of Interobserver Variability on 2D and 3D CT- and MRI-Based Texture Feature Reproducibility of Cartilaginous Bone Tumors. <i>Journal of Digital Imaging</i> , <b>2021</b> , 34, 820-832	5.3	6
50	Spectral Photon-Counting Computed Tomography: A Review on Technical Principles and Clinical Applications.. <i>Journal of Imaging</i> , <b>2022</b> , 8,	3.1	6
49	Skull base reconstruction after endoscopic endonasal surgery: new strategies for raising the dam <b>2019</b> ,		5
48	Novel concepts and strategies in skull base reconstruction after endoscopic endonasal surgery. <i>Acta IMEKO (2012)</i> , <b>2020</b> , 9, 67	2	5

47	T2 mapping of the trapeziometacarpal joint and triangular fibrocartilage complex: a feasibility and reproducibility study at 1.5 T. <i>Radiologia Medica</i> , <b>2020</b> , 125, 306-312	6.5	5
46	T2 mapping of the sacroiliac joints in patients with axial spondyloarthritis. <i>European Journal of Radiology</i> , <b>2020</b> , 131, 109246	4.7	5
45	State of the art in abdominal MRI structured reporting: a review. <i>Abdominal Radiology</i> , <b>2021</b> , 46, 1218-1228	3.9	5
44	Persisting Embryonal Infundibular Recess in Morning Glory Syndrome: Clinical Report of a Novel Association. <i>American Journal of Neuroradiology</i> , <b>2019</b> , 40, 899-902	4.4	4
43	State of the Art in Artificial Intelligence and Radiomics in Hepatocellular Carcinoma. <i>Diagnostics</i> , <b>2021</b> , 11,	3.8	4
42	Biparametric Prostate MR Imaging Protocol: Time to Revise PI-RADS Version 2?. <i>Radiology</i> , <b>2018</b> , 287, 1082	20.5	4
41	Solitary Cerebral Metastases . High-grade Gliomas: Usefulness of Two MRI Signs in the Differential Diagnosis. <i>Anticancer Research</i> , <b>2019</b> , 39, 4905-4909	2.3	3
40	A Critical Appraisal of the Quality of Glioma Imaging Guidelines Using the AGREE II Tool: A EuroAIM Initiative. <i>Frontiers in Oncology</i> , <b>2019</b> , 9, 472	5.3	3
39	The cardiac conundrum: a systematic review and bibliometric analysis of authorship in cardiac magnetic resonance imaging studies. <i>Insights Into Imaging</i> , <b>2020</b> , 11, 42	5.6	3
38	Influence of different post-contrast time points on dynamic contrast-enhanced (DCE) MRI T staging in breast cancer. <i>European Journal of Radiology</i> , <b>2020</b> , 124, 108819	4.7	3
37	Predicting Prognosis With Biparametric Prostate Imaging: One Step at a Time. <i>Clinical Genitourinary Cancer</i> , <b>2018</b> , 16, e977-e978	3.3	3
36	Differential diagnosis of benign and malignant vertebral compression fractures using conventional and advanced MRI techniques. <i>BJR Open</i> , <b>2019</b> , 1, 20180033	1.4	3
35	Quantification of Myocardial Perfusion: SPECT. <i>Current Cardiovascular Imaging Reports</i> , <b>2012</b> , 5, 144-150	0.7	3
34	Cardiac CT and MRI radiomics: systematic review of the literature and radiomics quality score assessment. <i>European Radiology</i> , <b>2021</b> , 1	8	3
33	Clinical value of radiomics and machine learning in breast ultrasound: a multicenter study for differential diagnosis of benign and malignant lesions. <i>European Radiology</i> , <b>2021</b> , 31, 9511-9519	8	3
32	Machine learning analysis: general features, requirements and cardiovascular applications. <i>Minerva Cardiology and Angiology</i> , <b>2021</b> ,	2.4	3
31	MRI radiomics: A machine learning approach for the risk stratification of endometrial cancer patients.. <i>European Journal of Radiology</i> , <b>2022</b> , 149, 110226	4.7	3
30	Atypical dermoid cyst of the ovary during pregnancy: A multi-modality diagnostic approach. <i>Radiology Case Reports</i> , <b>2020</b> , 15, 298-301	1	2

29	A critical appraisal of the quality of F-FDG PET/CT guidelines in oncology using the AGREE II tool: A EuroAIM initiative. <i>European Journal of Radiology</i> , <b>2020</b> , 126, 108930	4.7	2
28	Prognostic Value of Stress Myocardial Perfusion Imaging in Asymptomatic Diabetic Patients. <i>Current Cardiovascular Imaging Reports</i> , <b>2014</b> , 7, 1	0.7	2
27	Intruding implements: a pictorial review of retained surgical foreign objects in neuroradiology. <i>Insights Into Imaging</i> , <b>2019</b> , 10, 124	5.6	2
26	Author response to the Letter to Editor on Chest CT in COVID-19 patients: Structured vs conventional reporting. <i>European Journal of Radiology</i> , <b>2021</b> , 141, 109822	4.7	2
25	Handcrafted MRI radiomics and machine learning: Classification of indeterminate solid adrenal lesions. <i>Magnetic Resonance Imaging</i> , <b>2021</b> , 79, 52-58	3.3	2
24	Burning Fog: Cognitive Impairment in Burning Mouth Syndrome. <i>Frontiers in Aging Neuroscience</i> , <b>2021</b> , 13, 727417	5.3	2
23	Feasibility of cardiovascular risk assessment through non-invasive measurements <b>2019</b> ,		1
22	Radiomics in Cardiovascular Disease Imaging: from Pixels to the Heart of the Problem. <i>Current Cardiovascular Imaging Reports</i> , <b>2022</b> , 15, 11	0.7	1
21	Resolution Resampling of Ultrasound Images in Placenta Previa Patients: Influence on Radiomics Data Reliability and Usefulness for Machine Learning. <i>IFMBE Proceedings</i> , <b>2021</b> , 1011-1018	0.2	1
20	Whole-body MRI radiomics model to predict relapsed/refractory Hodgkin Lymphoma: A preliminary study. <i>Magnetic Resonance Imaging</i> , <b>2021</b> , 86, 55-60	3.3	1
19	Neuroradiological findings in Alagille syndrome. <i>British Journal of Radiology</i> , <b>2022</b> , 95, 20201241	3.4	1
18	Re: A multicentre assessment of prostate MRI quality and compliance with UK and international standards. <i>Clinical Radiology</i> , <b>2020</b> , 75, 234-235	2.9	1
17	Re: Marloes van der Leest, Bas Israel, Eric Bastiaan Cornel, et al. High Diagnostic Performance of Short Magnetic Resonance Imaging Protocols for Prostate Cancer Detection in Biopsy-naïve Men: The Next Step in Magnetic Resonance Imaging Accessibility. <i>Eur Urol</i> 2019;76:574-81: Are We Meeting Our Standards? Stringent Prostate Imaging Reporting and Data System Acquisition	10.2	1
16	MRI Linear Measurements in Normal Pressure Hydrocephalus Versus Progressive Supranuclear Palsy. <i>Movement Disorders</i> , <b>2020</b> , 35, 2121	7	1
15	MRI to assess deep myometrial invasion in patients with endometrial cancer: A multi-reader study to evaluate the diagnostic role of different sequences. <i>European Journal of Radiology</i> , <b>2021</b> , 138, 109629	4.7	1
14	Primary diffuse leptomeningeal melanomatosis: report of three pediatric cases and review of the literature. <i>Memo - Magazine of European Medical Oncology</i> , <b>2021</b> , 14, 265-272	0.3	1
13	Transfer Learning for an Automated Detection System of Fractures in Patients with Maxillofacial Trauma. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 6293	2.6	1
12	A Combined Radiomics and Machine Learning Approach to Overcome the Clinicoradiologic Paradox in Multiple Sclerosis. <i>American Journal of Neuroradiology</i> , <b>2021</b> , 42, 1927-1933	4.4	1

11	Artificial intelligence applied to neuroimaging data in Parkinsonian syndromes: Actuality and expectations. <i>Mathematical Biosciences and Engineering</i> , <b>2021</b> , 18, 1753-1773	2.1	1
10	The impact of radiomics for human papillomavirus status prediction in oropharyngeal cancer: systematic review and radiomics quality score assessment.. <i>Neuroradiology</i> , <b>2022</b> , 1	3.2	1
9	Meningioma Radiomics: At the Nexus of Imaging, Pathology and Biomolecular Characterization. <i>Cancers</i> , <b>2022</b> , 14, 2605	6.6	1
8	Biopsy for Prostate Cancer Diagnosis. <i>New England Journal of Medicine</i> , <b>2020</b> , 382, 2270	59.2	
7	Are short magnetic resonance imaging protocols the future of prostate imaging?. <i>Chinese Clinical Oncology</i> , <b>2020</b> , 9, 41	2.3	
6	Cardiac Radionuclide Imaging After Coronary Artery Revascularization. <i>Current Cardiovascular Imaging Reports</i> , <b>2014</b> , 7, 1	0.7	
5	Assessing Myocardial Viability in Patients with Ischemic Left Ventricular Dysfunction. <i>Current Cardiovascular Imaging Reports</i> , <b>2012</b> , 5, 390-392	0.7	
4	Prognostic Value of CT Coronary Angiography in Diabetes. <i>Current Cardiovascular Imaging Reports</i> , <b>2011</b> , 4, 332-334	0.7	
3	Cardiac hybrid imaging: novel tracers for novel targets. <i>Journal of Geriatric Cardiology</i> , <b>2021</b> , 18, 748-758	1.7	
2	A critical appraisal of the quality of glioma imaging guidelines using the AGREE II tool: A EuroAIM initiative.. <i>Journal of Clinical Oncology</i> , <b>2019</b> , 37, e13553-e13553	2.2	
1	Artificial intelligence and pituitary adenomas: A review. <i>Artificial Intelligence in Medical Imaging</i> , <b>2020</b> , 1, 70-77	0.6	