Giuseppe Muscogiuri

List of Publications by Year in descending order

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172457 254184 122 2,588 29 43 citations g-index h-index papers 128 128 128 3120 docs citations citing authors all docs times ranked

#	Article	IF	CITATIONS
1	Dual-Energy CT: Oncologic Applications. American Journal of Roentgenology, 2012, 199, S98-S105.	2.2	156
2	Role of computed tomography in COVID-19. Journal of Cardiovascular Computed Tomography, 2021, 15, 27-36.	1.3	88
3	Stress Computed Tomography Perfusion Versus Fractional Flow Reserve CT Derived in Suspected Coronary ArteryÂDisease. JACC: Cardiovascular Imaging, 2019, 12, 1487-1497.	5.3	78
4	Dynamic Stress Computed Tomography Perfusion With a Whole-Heart Coverage Scanner in Addition to Coronary Computed Tomography Angiography and Fractional Flow Reserve ComputedÂTomography Derived. JACC: Cardiovascular Imaging, 2019, 12, 2460-2471.	5. 3	76
5	Incremental Diagnostic Value of StressÂComputed Tomography Myocardial Perfusion With Whole-Heart Coverage CTÂScanner in Intermediate- to High-Risk Symptomatic Patients Suspected of Coronary Artery Disease. JACC: Cardiovascular Imaging, 2019, 12, 338-349.	5.3	75
6	Development and testing of a deep learning-based strategy for scar segmentation on CMR-LGE images. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2019, 32, 187-195.	2.0	69
7	Performance of a deep learning algorithm for the evaluation of CAD-RADS classification with CCTA. Atherosclerosis, 2020, 294, 25-32.	0.8	67
8	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. European Radiology, 2018, 28, 3393-3404.	4.5	55
9	Prognostic Benefit of Cardiac Magnetic Resonance Over Transthoracic Echocardiography for the Assessment of Ischemic and Nonischemic Dilated Cardiomyopathy Patients Referred for the Evaluation of Primary Prevention Implantable Cardioverter–Defibrillator Therapy. Circulation: Cardiovascular Imaging. 2016. 9	2.6	54
10	Artificial intelligence in cardiac radiology. Radiologia Medica, 2020, 125, 1186-1199.	7.7	54
11	Epicardial fat and coronary artery disease: Role of cardiac imaging. Atherosclerosis, 2021, 321, 30-38.	0.8	54
12	Virtual unenhanced imaging of the liver with third-generation dual-source dual-energy CT and advanced modeled iterative reconstruction. European Journal of Radiology, 2016, 85, 1257-1264.	2.6	53
13	Impact of an advanced image-based monoenergetic reconstruction algorithm on coronary stent visualization using third generation dual-source dual-energy CT: a phantom study. European Radiology, 2016, 26, 1871-1878.	4.5	50
14	Prognostic Stratification of Patients With ST-Segment–Elevation Myocardial Infarction (PROSPECT). Circulation: Cardiovascular Imaging, 2017, 10, .	2.6	48
15	Accuracy of Noncontrast Quiescent-Interval Single-Shot Lower Extremity MR Angiography Versus CTÂAngiography for Diagnosis of Peripheral Artery Disease. JACC: Cardiovascular Imaging, 2017, 10, 1116-1124.	5.3	47
16	The STRATEGY Study (Stress Cardiac Magnetic Resonance Versus Computed Tomography Coronary) Tj ETQq0 0 0 Cardiovascular Imaging, 2016, 9, .) rgBT /Ove 2.6	erlock 10 Tf 5 46
17	CT angiography prior to TAVI procedure using third-generation scanner with wide volume coverage: feasibility, renal safety and diagnostic accuracy for coronary tree. British Journal of Radiology, 2018, 91, 20180196.	2.2	40
18	Cardiac Magnetic Resonance T1-Mapping of the Myocardium. Journal of Thoracic Imaging, 2018, 33, 71-80.	1.5	39

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19	Diagnostic performance of non-invasive imaging for stable coronary artery disease: A meta-analysis. International Journal of Cardiology, 2020, 300, 276-281.	1.7	39
20	Determinants of Rejection Rate for Coronary CT Angiography Fractional Flow Reserve Analysis. Radiology, 2019, 292, 597-605.	7.3	37
21	CarDiac magnEtic Resonance for prophylactic Implantable-cardioVerter defibrillAtor ThErapy in Non-Ischaemic dilated CardioMyopathy: an international Registry. Europace, 2021, 23, 1072-1083.	1.7	37
22	Absolute Versus Relative Myocardial Blood Flow by Dynamic CT Myocardial Perfusion Imaging in Patients With Anatomic Coronary Artery Disease. American Journal of Roentgenology, 2015, 205, W67-W72.	2.2	36
23	Clinical feasibility of a myocardial signal intensity threshold-based semi-automated cardiac magnetic resonance segmentation method. European Radiology, 2016, 26, 1503-1511.	4.5	36
24	T(Rho) and magnetization transfer and INvErsion recovery (TRAMINER)â€prepared imaging: A novel contrastâ€enhanced flowâ€independent darkâ€blood technique for the evaluation of myocardial late gadolinium enhancement in patients with myocardial infarction. Journal of Magnetic Resonance Imaging, 2017, 45, 1429-1437.	3.4	36
25	Additional value of inflammatory biomarkers and carotid artery disease in prediction of significant coronary artery disease as assessed by coronary computed tomography angiography. European Heart Journal Cardiovascular Imaging, 2017, 18, 1049-1056.	1.2	36
26	Multimodality imaging of left atrium in patients with atrial fibrillation. Journal of Cardiovascular Computed Tomography, 2019, 13, 340-346.	1.3	36
27	T1 mapping and cardiac magnetic resonance feature tracking in mitral valve prolapse. European Radiology, $2021, 31, 1100-1109$.	4.5	36
28	Prevalence and distribution of colonic diverticula assessed with CT colonography (CTC). European Radiology, 2016, 26, 639-645.	4.5	35
29	CT Perfusion Versus Coronary CT Angiography in Patients With Suspected In-Stent Restenosis or CAD Progression. JACC: Cardiovascular Imaging, 2020, 13, 732-742.	5.3	35
30	Automated left and right ventricular chamber segmentation in cardiac magnetic resonance images using dense fully convolutional neural network. Computer Methods and Programs in Biomedicine, 2021, 204, 106059.	4.7	31
31	Approaches to ultra-low radiation dose coronary artery calcium scoring based on 3rd generation dual-source CT: A phantom study. European Journal of Radiology, 2016, 85, 39-47.	2.6	29
32	Second-Generation Dual-Energy Computed Tomography of the Abdomen. Journal of Computer Assisted Tomography, 2013, 37, 543-546.	0.9	27
33	Artificial Intelligence in Coronary Computed Tomography Angiography: From Anatomy to Prognosis. BioMed Research International, 2020, 2020, 1-10.	1.9	27
34	Coronary CT angiography in obese patients using 3rd generation dual-source CT: effect of body mass index on image quality. European Radiology, 2016, 26, 2937-2946.	4.5	26
35	Utility of Cardiac Magnetic Resonance Imaging in the Management of Adult Congenital Heart Disease. Journal of Thoracic Imaging, 2017, 32, 233-244.	1.5	26
36	Plaque quantification by coronary computed tomography angiography using intravascular ultrasound as a reference standard: a comparison between standard and last generation computed tomography scanners. European Heart Journal Cardiovascular Imaging, 2020, 21, 191-201.	1.2	26

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37	Interpretability of coronary CT angiography performed with a novel whole-heart coverage high-definition CT scanner in 300 consecutive patients with coronary artery bypass grafts. Journal of Cardiovascular Computed Tomography, 2020, 14, 137-143.	1.3	24
38	Myocardial Late Gadolinium Enhancement: Accuracy of T1 Mapping–based Synthetic Inversion-Recovery Imaging. Radiology, 2016, 278, 374-382.	7.3	23
39	Diagnostic accuracy of coronary CT angiography performed in 100 consecutive patients with coronary stents using a whole-organ high-definition CT scanner. International Journal of Cardiology, 2019, 274, 382-387.	1.7	23
40	Diagnostic accuracy of simultaneous evaluation of coronary arteries and myocardial perfusion with single stress cardiac computed tomography acquisition compared to invasive coronary angiography plus invasive fractional flow reserve. International Journal of Cardiology, 2018, 273, 263-268.	1.7	22
41	Cardiovascular magnetic resonance of cardiac tumors and masses. World Journal of Cardiology, 2021, 13, 628-649.	1.5	22
42	Technical prerequisites and imaging protocols for dynamic and dual energy myocardial perfusion imaging. European Journal of Radiology, 2015, 84, 2401-2410.	2.6	21
43	Quantitative vs. qualitative evaluation of static stress computed tomography perfusion to detect haemodynamically significant coronary artery disease. European Heart Journal Cardiovascular Imaging, 2018, 19, 1244-1252.	1.2	21
44	Left atrial appendage closure guided by 3D computed tomography printing technology: A case control study. Journal of Cardiovascular Computed Tomography, 2019, 13, 336-339.	1.3	21
45	Sequential Strategy Including FFRCT Plus Stress-CTP Impacts on Management of Patients with Stable Chest Pain: The Stress-CTP RIPCORD Study. Journal of Clinical Medicine, 2020, 9, 2147.	2.4	21
46	Multicenter review: role of cardiovascular magnetic resonance in diagnostic evaluation, pre-procedural planning and follow-up for patients with congenital heart disease. Radiologia Medica, 2016, 121, 342-351.	7.7	20
47	Iron deficiency in patients with ST-segment elevation myocardial infarction undergoing primary percutaneous coronary intervention. International Journal of Cardiology, 2020, 300, 14-19.	1.7	20
48	Role of CMR Mapping Techniques in Cardiac Hypertrophic Phenotype. Diagnostics, 2020, 10, 770.	2.6	19
49	Echocardiography in Athletes in Primary Prevention of Sudden Death. Journal of Cardiovascular Echography, 2019, 29, 139.	0.4	19
50	Determinants of peak oxygen uptake in patients with hypertrophic cardiomyopathy: a single-center study. Internal and Emergency Medicine, 2014, 9, 293-302.	2.0	18
51	Impact of a New Adaptive Statistical Iterative Reconstruction (ASIR)-V Algorithm on Image Quality in Coronary Computed Tomography Angiography. Academic Radiology, 2018, 25, 1305-1313.	2.5	18
52	Technical Feasibility of a Combined Noncontrast Magnetic Resonance Protocol for Preoperative Transcatheter Aortic Valve Replacement Evaluation. Journal of Thoracic Imaging, 2018, 33, 60-67.	1.5	18
53	G-CSF for Extensive STEMI. Circulation Research, 2019, 125, 295-306.	4.5	18
54	Feasibility of late gadolinium enhancement (LGE) in ischemic cardiomyopathy using 2D-multisegment LGE combined with artificial intelligence reconstruction deep learning noise reduction algorithm. International Journal of Cardiology, 2021, 343, 164-170.	1.7	17

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55	Prognostic relevance of subclinical coronary and carotid atherosclerosis in a diabetic and nondiabetic asymptomatic population. Clinical Cardiology, 2018, 41, 769-777.	1.8	16
56	Arrhythmic Mitral Valve Prolapse: Introducing an Era of Multimodality Imaging-Based Diagnosis and Risk Stratification. Diagnostics, 2021, 11, 467.	2.6	16
57	Semiautomated Global Quantification of Left Ventricular Myocardial Perfusion at Stress Dynamic CT:. Academic Radiology, 2016, 23, 429-437.	2.5	15
58	Association Between Haptoglobin Phenotype and Microvascular Obstruction in Patients With STEMI. JACC: Cardiovascular Imaging, 2019, 12, 1007-1017.	5.3	15
59	Stress CMR in Known or Suspected CAD: Diagnostic and Prognostic Role. BioMed Research International, 2021, 2021, 1-12.	1.9	15
60	The role of 3D imaging in the follow-up of patients with repaired tetralogy of Fallot. European Review for Medical and Pharmacological Sciences, 2019, 23, 1698-1709.	0.7	15
61	The New Frontier of Cardiac Computed Tomography Angiography: Fractional Flow Reserve and Stress Myocardial Perfusion. Current Treatment Options in Cardiovascular Medicine, 2016, 18, 74.	0.9	14
62	Pediatric Cardiac MR Imaging:. Magnetic Resonance Imaging Clinics of North America, 2019, 27, 243-262.	1.1	14
63	Early or deferred cardiovascular magnetic resonance after ST-segment-elevation myocardial infarction for effective risk stratification. European Heart Journal Cardiovascular Imaging, 2020, 21, 632-639.	1.2	14
64	The Incremental Role of Coronary Computed Tomography in Chronic Coronary Syndromes. Journal of Clinical Medicine, 2020, 9, 3925.	2,4	14
65	Transcatheter Aortic Valve Replacement. Journal of Thoracic Imaging, 2015, 30, 349-358.	1.5	13
66	State of the art paper: Cardiovascular CT for planning ventricular tachycardia ablation procedures. Journal of Cardiovascular Computed Tomography, 2021, 15, 394-402.	1.3	13
67	Epicardial Adipose Tissue: A Novel Potential Imaging Marker of Comorbidities Caused by Chronic Inflammation. Nutrients, 2022, 14, 2926.	4.1	13
68	Reconstruction of the Superior Vena Cava by Biologic Conduit: Assessment of Long-Term Patency by Magnetic Resonance Imaging. Annals of Thoracic Surgery, 2013, 96, 1039-1045.	1.3	12
69	Role of Cardiac Magnetic Resonance Imaging in Myocardial Infarction. Current Cardiology Reports, 2017, 19, 101.	2.9	12
70	Image Quality, Overall Evaluability, and Effective Radiation Dose of Coronary Computed Tomography Angiography With Prospective Electrocardiographic Triggering Plus Intracycle Motion Correction Algorithm in Patients With a Heart Rate Over 65 Beats Per Minute. Journal of Thoracic Imaging, 2018, 33, 225-231.	1.5	12
71	Myocardial Repolarization Dispersion and Late Gadolinium Enhancement in Patients With Hypertrophic Cardiomyopathy. Circulation Journal, 2014, 78, 1216-1223.	1.6	11
72	Cardiac Magnetic Resonance Tissue Characterization in Ischemic Cardiomyopathy. Journal of Thoracic Imaging, 2021, Publish Ahead of Print, 2-16.	1.5	11

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73	Prognostic Value and Therapeutic Perspectives of Coronary CT Angiography: A Literature Review. BioMed Research International, 2018, 2018, 1-13.	1.9	10
74	State-of-the-art-myocardial perfusion stress testing: Static CT perfusion. Journal of Cardiovascular Computed Tomography, 2020, 14, 294-302.	1.3	10
75	The Potential Role of Cardiac CT in the Evaluation of Patients With Known or Suspected Cardiomyopathy: From Traditional Indications to Novel Clinical Applications. Frontiers in Cardiovascular Medicine, 2021, 8, 709124.	2.4	10
76	Cutting edge clinical applications in cardiovascular magnetic resonance. World Journal of Radiology, 2017, 9, 1.	1.1	10
77	Diagnostic performance of deep learning algorithm for analysis of computed tomography myocardial perfusion. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 3119-3128.	6.4	10
78	Results of Late Gadolinium Enhancement in Children Affected by Dilated Cardiomyopathy. Frontiers in Pediatrics, 2017, 5, 13.	1.9	9
79	Rationale and design of advantage (additional diagnostic value of CT perfusion over coronary CT) Tj ETQq1 1 0.75	84314 rgB 1.3	T /Overlock 9
80	Design of CTP-PRO study (impact of stress Cardiac computed Tomography myocardial Perfusion on) Tj ETQq0 0 (O rgBT /Ov 1.7	erlock 10 Tf 9
81	Diagnostic Accuracy of Single-shot 2-Dimensional Multisegment Late Gadolinium Enhancement in Ischemic and Nonischemic Cardiomyopathy. Journal of Thoracic Imaging, 2020, 35, 56-63.	1.5	9
82	The Applications of Artificial Intelligence in Cardiovascular Magnetic Resonanceâ€"A Comprehensive Review. Journal of Clinical Medicine, 2022, 11, 2866.	2.4	9
83	Pictorial Review of Surgical Anatomy in Adult Congenital Heart Disease. Journal of Thoracic Imaging, 2017, 32, 217-232.	1.5	8
84	Coronary Atherosclerosis Assessment by Coronary CT Angiography in Asymptomatic Diabetic Population: A Critical Systematic Review of the Literature and Future Perspectives. BioMed Research International, 2018, 2018, 1-13.	1.9	8
85	Submillisievert CT angiography for carotid arteries using wide array CT scanner and latest iterative reconstruction algorithm in comparison with previous generations technologies: Feasibility and diagnostic accuracy. Journal of Cardiovascular Computed Tomography, 2019, 13, 41-47.	1.3	8
86	Additional diagnostic value of cardiac magnetic resonance feature tracking in patients with biopsy-proven arrhythmogenic cardiomyopathy. International Journal of Cardiology, 2021, 339, 203-210.	1.7	8
87	Non-invasive coronary imaging in patients with COVID-19: A narrative review. European Journal of Radiology, 2022, 149, 110188.	2.6	8
88	Advances in Multimodality Cardiovascular Imaging in the Diagnosis of Heart Failure With Preserved Ejection Fraction. Frontiers in Cardiovascular Medicine, 2022, 9, 758975.	2.4	8
89	Effect of inversion time on the precision of myocardial late gadolinium enhancement quantification evaluated with synthetic inversion recovery MR imaging. European Radiology, 2017, 27, 3235-3243.	4.5	7
90	Image Quality and Reliability of a Novel Dark-Blood Late Gadolinium Enhancement Sequence in Ischemic Cardiomyopathy. Journal of Thoracic Imaging, 2020, 35, 326-333.	1.5	7

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91	Recent advances in multimodality imaging of the tricuspid valve. Expert Review of Medical Devices, 2021, 18, 1069-1081.	2.8	7
92	Multimodality Imaging in Ischemic Chronic Cardiomyopathy. Journal of Imaging, 2022, 8, 35.	3.0	7
93	Coronary-specific quantification of myocardial deformation by strain echocardiography may disclose the culprit vessel in patients with non-ST-segment elevation acute coronary syndrome. European Heart Journal Open, 2022, 2, .	2.3	7
94	Quantitative Evaluation of COVID-19 Pneumonia Lung Extension by Specific Software and Correlation with Patient Clinical Outcome. Diagnostics, 2021, 11, 265.	2.6	6
95	Computed tomography predictors of structural valve degeneration in patients undergoing transcatheter aortic valve implantation with balloon-expandable prostheses. European Radiology, 2022, 32, 6017-6027.	4.5	6
96	Imaging in Minimally Invasive Mitral Valve Repair. Journal of Thoracic Imaging, 2015, 30, 378-385.	1.5	5
97	Spatial QT Dispersion Predicts Nonsustained Ventricular Tachycardia and Correlates with Confined Systodiastolic Dysfunction in Hypertrophic Cardiomyopathy. Cardiology, 2015, 131, 122-129.	1.4	5
98	(Epicardial and microvascular) angina or atypical chest pain: differential diagnoses with cardiovascular magnetic resonance. European Heart Journal Supplements, 2020, 22, E116-E120.	0.1	5
99	Prediction of myocardial blood flow under stress conditions by means of a computational model. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 1894-1905.	6.4	5
100	Reliability of single breath hold three-dimensional cine kat-ARC for the assessment of biventricular dimensions and function. European Journal of Radiology, 2020, 124, 108820.	2.6	4
101	Rationale and design of the EPLURIBUS Study (Evidence for a comPrehensive evaLUation of left) Tj ETQq1 I Cardiovascular Medicine, 2020, 21, 812-819.	0.784314 rgBT 1.5	
102	Letter by Guaricci et al Regarding Article, "Cardiovascular Magnetic Resonance to Predict Appropriate Implantable Cardioverter Defibrillator Therapy in Ischemic and Nonischemic Cardiomyopathy Patients Using Late Gadolinium Enhancement Border Zone: Comparison of Four Analysis Methods― Circulation: Cardiovascular Imaging, 2018, 11, e007213.	2.6	3
103	Anomalous origin of the left circumflex artery from the right coronary sinus with retro-aortic course: A potential malign variant. Journal of Cardiovascular Computed Tomography, 2020, 14, e54-e55.	1.3	3
104	Current evidence on the diagnostic and prognostic role of native T1 mapping in heart diseases. Trends in Cardiovascular Medicine, 2020, 31, 448-454.	4.9	3
105	Repaired Congenital Heart Disease in Older Children and Adults. Radiologic Clinics of North America, 2020, 58, 503-516.	1.8	3
106	Stress Dynamic Computed Tomography Perfusion Versus Fractional Flow Reserve CT Derived In Suspected Coronary Artery Disease. Journal of Cardiovascular Computed Tomography, 2019, 13, S38.	1.3	2
107	Multimodality imaging of a left circumflex artery to right atrium coronary artery fistula associated with giant aneurysm. European Heart Journal Cardiovascular Imaging, 2021, 22, 20-20.	1.2	2
108	The Importance of Age, Sex, and Body Surface Area in Cardiovascular Dimensions Analysis. American Journal of Roentgenology, 2011, 197, W966-W966.	2.2	1

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109	Accuracy of a prototype dark blood late gadolinium enhancement technique for the detection and quantification of myocardial infarction. Journal of Cardiovascular Magnetic Resonance, 2016, 18, Q65.	3.3	1
110	Aneurysm of Vieussens' arterial ring in a patient studied with coronary computed tomography. Journal of Cardiovascular Medicine, 2017, 18, 696-697.	1.5	1
111	Advanced neuroimaging in stroke patients management: It is not just a matter of time. Journal of Clinical Ultrasound, 2022, 50, 182-184.	0.8	1
112	Overview of Myocardial T1 Mapping Applications. Current Radiology Reports, 2015, 3, 1.	1.4	0
113	Low-Dose Coronary CT Angiography in Patients with Atrial Fibrillation: Comparison of Image Quality and Radiation Exposure with Two Different Approaches. Academic Radiology, 2019, 26, 791-797.	2.5	0
114	The Role of Cardiac CT in Patients with Metabolic Disorders. Contemporary Medical Imaging, 2019, , 349-354.	0.4	0
115	Comprehensive Evaluation Of Newly Diagnosed Left Ventricle Dysfunction By A Novel Whole-heart Coverage Cardiac Ct: Preliminary Results Of The E- PLURIBUS Study. Journal of Cardiovascular Computed Tomography, 2019, 13, S5.	1.3	0
116	Evidence For A ComPRehensive EvaLuAtion Of Newly Diagnosed Left VentRIcle DysfnctIOn BY A Novel Whole-heart Coverage High Definition Cardiac. Journal of Cardiovascular Computed Tomography, 2020, 14, S10.	1.3	0
117	Coronary Plaque Assessment By Coronary Ct Angiography May Predict Cardiac Events In Diabetic Patients: A Long-term Follow-up Study. Journal of Cardiovascular Computed Tomography, 2020, 14, S9.	1.3	0
118	Cardiovascular magnetic resonance of alcohol induced cardiomyopathy: Lost in the labyrinth of non-ischemic dilated cardiomyopathy. International Journal of Cardiology, 2021, 332, 133-134.	1.7	0
119	Magnetic resonance imaging and artificial intelligence. , 2021, , 241-253.		0
120	Dual Energy CT in Liver Tumors. , 2015, , 59-73.		0
121	Automated Left and Right Chamber Segmentation in Cardiac MRI Using Dense Fully Convolutional Neural Network., 0, , .		0
122	Cardiac Care of Non-COVID-19 Patients During the SARS-CoV-2 Pandemic: The Pivotal Role of CCTA. Frontiers in Cardiovascular Medicine, 2021, 8, 775115.	2.4	0