Carlos Eduardo Rochitte

List of Publications by Year
in descending order

231 papers	10,261 citations	44069 48 h-index	37204 96 g-index
263 all docs	263 docs citations	263 times ranked	9278 citing authors

#	Article	IF	Citations
1	Diagnostic Performance of Coronary Angiography by 64-Row CT. New England Journal of Medicine, 2008, 359, 2324-2336.	27.0	1,637
2	Noninvasive single-beat determination of left ventricular end-systolic elastance in humans. Journal of the American College of Cardiology, 2001, 38, 2028-2034.	2.8	502
3	Magnitude and Time Course of Microvascular Obstruction and Tissue Injury After Acute Myocardial Infarction. Circulation, 1998, 98, 1006-1014.	1.6	453
4	Prognostic Significance of Myocardial Fibrosis Quantification by Histopathology and Magnetic Resonance Imaging in Patients With Severe Aortic Valve Disease. Journal of the American College of Cardiology, 2010, 56, 278-287.	2.8	452
5	Computed tomography angiography and perfusion to assess coronary artery stenosis causing perfusion defects by single photon emission computed tomography: the CORE320 study. European Heart Journal, 2014, 35, 1120-1130.	2.2	385
6	Quantification and time course of microvascular obstruction by contrast-enhanced echocardiography and magnetic resonance imaging following acute myocardial infarction and reperfusion. Journal of the American College of Cardiology, 1998, 32, 1756-1764.	2.8	300
7	Microvascular Obstruction and Left Ventricular Remodeling Early After Acute Myocardial Infarction. Circulation, 2000, 101, 2734-2741.	1.6	270
8	The Absence of Coronary Calcification Does Not Exclude Obstructive Coronary Artery Disease or the Need for Revascularization in Patients Referred for Conventional Coronary Angiography. Journal of the American College of Cardiology, 2010, 55, 627-634.	2.8	268
9	Myocardial Delayed Enhancement by Magnetic Resonance Imaging in Patients With Chagas' Disease. Journal of the American College of Cardiology, 2005, 46, 1553-1558.	2.8	266
10	Fast Determination of Regional Myocardial Strain Fields From Tagged Cardiac Images Using Harmonic Phase MRI. Circulation, 2000, 101, 981-988.	1.6	239
11	Diagnostic Accuracy of Computed Tomography Coronary Angiography According to Pre-Test Probability of Coronary Artery Disease and Severity of Coronary Arterial Calcification. Journal of the American College of Cardiology, 2012, 59, 379-387.	2.8	222
12	Myocardial Delayed Enhancement by Magnetic Resonance Imaging in Patients With Muscular Dystrophy. Journal of the American College of Cardiology, 2007, 49, 1874-1879.	2.8	191
13	Delayed Enhancement MR Imaging: Utility in Myocardial Assessment. Radiographics, 2006, 26, 795-810.	3.3	149
14	Coronary Artery Stenoses: Accuracy of 64–Detector Row CT Angiography in Segments with Mild, Moderate, or Severe Calcification—A Subanalysis of the CORE-64 Trial. Radiology, 2011, 261, 100-108.	7.3	136
15	Dipyridamole Stress and Rest Myocardial Perfusion by 64-Detector Row Computed Tomography in Patients With Suspected Coronary Artery Disease. American Journal of Cardiology, 2010, 106, 310-315.	1.6	113
16	Diagnostic Performance of Combined Noninvasive Coronary Angiography and Myocardial Perfusion Imaging Using 320-MDCT: The CT Angiography and Perfusion Methods of the CORE320 Multicenter Multinational Diagnostic Study. American Journal of Roentgenology, 2011, 197, 829-837.	2.2	113
17	Clinical Outcomes After Evaluation of Stable Chest Pain by Coronary Computed Tomographic Angiography Versus Usual Care. Circulation: Cardiovascular Imaging, 2016, 9, e004419.	2.6	113
18	Myocardial CT Perfusion Imaging and SPECT for the Diagnosis of Coronary Artery Disease: A Head-to-Head Comparison from the CORE320 Multicenter Diagnostic Performance Study. Radiology, 2014, 272, 407-416.	7.3	112

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19	Coronary CT angiography using 64 detector rows: methods and design of the multi-centre trial CORE-64. European Radiology, 2009, 19, 816-828.	4.5	110
20	Diagnosis of obstructive coronary artery disease using computed tomography angiography in patients with stable chest pain depending on clinical probability and in clinically important subgroups: meta-analysis of individual patient data. BMJ: British Medical Journal, 2019, 365, l1945.	2.3	99
21	Relation Between Gd-DTPA Contrast Enhancement and Regional Inotropic Response in the Periphery and Center of Myocardial Infarction. Circulation, 2001, 104, 998-1004.	1.6	82
22	Autologous Bone-Marrow Mononuclear Cell Transplantation after Acute Myocardial Infarction: Comparison of Two Delivery Techniques. Cell Transplantation, 2009, 18, 343-352.	2.5	81
23	Persistent diastolic dysfunction despite complete systolic functional recovery after reperfused acute myocardial infarction demonstrated by tagged magnetic resonance imaging. European Heart Journal, 2004, 25, 1419-1427.	2.2	80
24	Late Gadolinium Enhancement Magnetic Resonance Imaging in the Diagnosis and Prognosis of Endomyocardial Fibrosis Patients. Circulation: Cardiovascular Imaging, 2011, 4, 304-311.	2.6	80
25	Myocardial Fibrosis Progression in Duchenne and Becker Muscular Dystrophy. JAMA Cardiology, 2017, 2, 190.	6.1	79
26	Cardiovascular Magnetic Resonance for Patients With COVID-19. JACC: Cardiovascular Imaging, 2022, 15, 685-699.	5.3	79
27	Diagnostic performance of combined noninvasive coronary angiography and myocardial perfusion imaging using 320 row detector computed tomography: design and implementation of the CORE320 multicenter, multinational diagnostic study. Journal of Cardiovascular Computed Tomography, 2011, 5, 370-381.	1.3	77
28	Prognostic Value of Combined CT Angiography and Myocardial Perfusion Imaging versus Invasive Coronary Angiography and Nuclear Stress Perfusion Imaging in the Prediction of Major Adverse Cardiovascular Events: The CORE320 Multicenter Study. Radiology, 2017, 284, 55-65.	7.3	74
29	Lack of Association Between Epicardial Fat Volume and Extent of Coronary Artery Calcification, Severity of Coronary Artery Disease, or Presence of Myocardial Perfusion Abnormalities in a Diverse, Symptomatic Patient Population. Circulation: Cardiovascular Imaging, 2015, 8, e002676.	2.6	73
30	Evaluation of subclinical atherosclerosis by computed tomography coronary angiography and its association with risk factors in familial hypercholesterolemia. Atherosclerosis, 2010, 213, 486-491.	0.8	68
31	Diagnostic Ultrasound Impulses Improve Microvascular Flow in Patients With STEMI Receiving Intravenous Microbubbles. Journal of the American College of Cardiology, 2016, 67, 2506-2515.	2.8	68
32	Phosphorus Is Associated with Coronary Artery Disease in Patients with Preserved Renal Function. PLoS ONE, 2012, 7, e36883.	2.5	67
33	Galantamine alleviates inflammation and insulin resistance in patients with metabolic syndrome in a randomized trial. JCI Insight, 2017, 2, .	5.0	64
34	Sonothrombolysis in ST-Segment Elevation Myocardial Infarction Treated With Primary Percutaneous Coronary Intervention. Journal of the American College of Cardiology, 2019, 73, 2832-2842.	2.8	63
35	O Coração e a COVID-19: O que o Cardiologista Precisa Saber. Arquivos Brasileiros De Cardiologia, 2020, 114, 805-816.	0.8	63
36	Value of Real Time Three-Dimensional Echocardiography in Patients with Hypertrophic Cardiomyopathy: Comparison with Two-Dimensional Echocardiography and Magnetic Resonance Imaging. Echocardiography, 2008, 25, 717-726.	0.9	62

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37	Dipyridamole stress and rest transmural myocardial perfusion ratio evaluation by 64 detector-row computed tomography. Journal of Cardiovascular Computed Tomography, 2011, 5, 443-448.	1.3	61
38	The amount of late gadolinium enhancement outperforms current guideline-recommended criteria in the identification of patients with hypertrophic cardiomyopathy at risk of sudden cardiac death. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 50.	3.3	61
39	Long-Term Prognostic Value of Myocardial Fibrosis in Patients With Chagas Cardiomyopathy. Journal of the American College of Cardiology, 2018, 72, 2577-2587.	2.8	60
40	Combined coronary angiography and myocardial perfusion by computed tomography in the identification of flow-limiting stenosis â€" The CORE320 study: An integrated analysis of CT coronary angiography and myocardial perfusion. Journal of Cardiovascular Computed Tomography, 2015, 9, 438-445.	1.3	59
41	Characterization of high density lipoprotein particles in familial apolipoprotein A-I deficiency. Journal of Lipid Research, 2008, 49, 349-357.	4.2	57
42	Predictors of Inaccurate Coronary Arterial Stenosis Assessment by CT Angiography. JACC: Cardiovascular Imaging, 2013, 6, 963-972.	5.3	56
43	Myocardial Viability: Breath-hold 3D MR Imaging of Delayed Hyperenhancement with Variable Sampling in Time. Radiology, 2004, 230, 845-851.	7.3	55
44	Cardiac Magnetic Resonance in Chagas' Disease. Artificial Organs, 2007, 31, 259-267.	1.9	53
45	Microvascular Integrity and the Time Course of Myocardial Sodium Accumulation After Acute Infarction. Circulation Research, 2000, 87, 648-655.	4.5	51
46	ECG scar quantification correlates with cardiac magnetic resonance scar size and prognostic factors in Chagas' disease. Heart, 2011, 97, 357-361.	2.9	51
47	Myocardial fibrosis detected by cardiac CT predicts ventricular fibrillation/ventricular tachycardia events in patients with hypertrophic cardiomyopathy. Journal of Cardiovascular Computed Tomography, 2013, 7, 173-181.	1.3	51
48	Myocardial tissue characterization in Chagas' heart disease by cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 97.	3.3	51
49	Accuracy of Computed Tomographic Angiography and Single-Photon Emission Computed Tomographyâ€"Acquired Myocardial Perfusion Imaging for the Diagnosis of Coronary Artery Disease. Circulation: Cardiovascular Imaging, 2015, 8, e003533.	2.6	49
50	Late coronary artery recanalization effects on left ventricular remodelling and contractility by magnetic resonance imaging. European Heart Journal, 2005, 26, 36-43.	2.2	48
51	Multimodality imaging evaluation of Chagas disease: an expert consensus of Brazilian Cardiovascular Imaging Department (DIC) and the European Association of Cardiovascular Imaging (EACVI). European Heart Journal Cardiovascular Imaging, 2018, 19, 459-460n.	1.2	48
52	No correlation and low agreement of imaging and inflammatory atherosclerosisâ€™ markers in familial hypercholesterolemia. Atherosclerosis, 2008, 200, 83-88.	0.8	47
53	The role of cardiovascular magnetic resonance in takotsubo syndrome. Journal of Cardiovascular Magnetic Resonance, 2017, 18, 68.	3.3	46
54	Heart fossilization is possible and informs the evolution of cardiac outflow tract in vertebrates. ELife, 2016, 5, e14698.	6.0	46

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55	Contrast-enhanced magnetic resonance imaging identifies focal regions of intramyocardial fibrosis in patients with severe aortic valve disease: Correlation with quantitative histopathology. American Heart Journal, 2009, 157, 361-368.	2.7	45
56	Diretrizes da Sociedade Brasileira de Cardiologia sobre Angina Instável e Infarto Agudo do Miocárdio sem Supradesnível do Segmento ST â€" 2021. Arquivos Brasileiros De Cardiologia, 2021, 117, 181-264.	0.8	45
57	Diagnostic accuracy of static CT perfusion for the detection of myocardial ischemia. A systematic review and meta-analysis. Journal of Cardiovascular Computed Tomography, 2016, 10, 450-457.	1.3	43
58	RV Fractional Area Change and TAPSE as Predictors of Severe Right Ventricular Dysfunction in Pulmonary Hypertension: A CMR Study. Lung, 2018, 196, 157-164.	3.3	42
59	The emerging role of MRI in the diagnosis and management of cardiomyopathies. Current Cardiology Reports, 2006, 8, 44-52.	2.9	40
60	Non-invasive detection of aortic and coronary atherosclerosis in homozygous familial hypercholesterolemia by 64 slice multi-detector row computed tomography angiography. Atherosclerosis, 2008, 197, 910-915.	0.8	40
61	Cardiac Sarcoidosis Evaluated by Delayed-Enhanced Magnetic Resonance Imaging. Circulation, 2003, 107, e188-9.	1.6	39
62	Ischemia and No Obstructive Stenosis (INOCA) at CT Angiography, CT Myocardial Perfusion, Invasive Coronary Angiography, and SPECT: The CORE320 Study. Radiology, 2020, 294, 61-73.	7.3	39
63	Comparison of Non-Invasive Methods for the Detection of Coronary Atherosclerosis. Clinics, 2009, 64, 675-682.	1.5	38
64	Diretriz Brasileira de Cardio-oncologia â€" 2020. Arquivos Brasileiros De Cardiologia, 2020, 115, 1006-1043.	0.8	37
65	Extraanatomic aortic bypass for repair of aortic arch coarctation via sternotomy: midterm clinical and magnetic resonance imaging results. Annals of Thoracic Surgery, 2003, 76, 1962-1966.	1.3	36
66	The effect of intra-aortic balloon counterpulsation on left ventricular functional recovery early after acute myocardial infarction: a randomized experimental magnetic resonance imaging study. European Heart Journal, 2005, 26, 1235-1241.	2.2	36
67	Posicionamento sobre Diagnóstico e Tratamento da Amiloidose Cardíaca â€" 2021. Arquivos Brasileiros De Cardiologia, 2021, 117, 561-598.	0.8	35
68	Transmural contractile reserve after reperfused myocardial infarction in dogs. Journal of the American College of Cardiology, 2000, 36, 2339-2346.	2.8	33
69	Atualização das Diretrizes Brasileiras de Valvopatias â€" 2020. Arquivos Brasileiros De Cardiologia, 2020, 115, 720-775.	0.8	33
70	Stemâ€cell therapy in STâ€segment elevation myocardial infarction with reduced ejection fraction: A multicenter, doubleâ€blind randomized trial. Clinical Cardiology, 2018, 41, 392-399.	1.8	32
71	Escore de cálcio e angiotomografia coronariana na estratificação do risco cardiovascular. Arquivos Brasileiros De Cardiologia, 2012, 98, 559-568.	0.8	31
72	Incremental diagnostic accuracy of computed tomography myocardial perfusion imaging over coronary angiography stratified by pre-test probability of coronary artery disease and severity of coronary artery calcification: The CORE320 study. International Journal of Cardiology, 2015, 201, 570-577.	1.7	31

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73	Left atrial volume quantification using cardiac MRI in atrial fibrillation: comparison of the Simpson's method with biplane area-length, ellipse, and three-dimensional methods. Diagnostic and Interventional Radiology, 2012, 19, 213-20.	1.5	30
74	The shift from high to low turnover bone disease after parathyroidectomy is associated with the progression of vascular calcification in hemodialysis patients: A 12-month follow-up study. PLoS ONE, 2017, 12, e0174811.	2.5	29
75	Additional value of dipyridamole stress myocardial perfusion by 64-row computed tomography in patients with coronary stents. Journal of Cardiovascular Computed Tomography, 2011, 5, 449-458.	1.3	28
76	Coronary Calcium Characteristics as Predictors of Major Adverse Cardiac Events in Symptomatic Patients: Insights From the CORE320 Multinational Study. Journal of the American Heart Association, 2019, 8, e007201.	3.7	28
77	Contemporary Discrepancies of Stenosis Assessment by Computed Tomography and Invasive Coronary Angiography. Circulation: Cardiovascular Imaging, 2019, 12, e007720.	2.6	28
78	Ventricular Pacing With Premature Excitation for Treatment of Hypertensive-Cardiac Hypertrophy With Cavity-Obliteration. Circulation, 1999, 100, 807-812.	1.6	27
79	Early postnatal rat ventricle resection leads to long-term preserved cardiac function despite tissue hypoperfusion. Physiological Reports, 2014, 2, e12115.	1.7	27
80	Cardiac MRI for Detection of Unrecognized Myocardial Infarction in Patients With End-Stage Renal Disease: Comparison With ECG and Scintigraphy. American Journal of Roentgenology, 2009, 193, W25-W32.	2.2	25
81	Myocardial Fibrosis in Classical Low-Flow, Low-Gradient Aortic Stenosis. Circulation: Cardiovascular Imaging, 2019, 12, e008353.	2.6	25
82	Cell Therapy Plus Transmyocardial Laser Revascularization for Refractory Angina. Annals of Thoracic Surgery, 2005, 80, 712-714.	1.3	24
83	CT angiography in highly calcified arteries: 2D manual vs. modified automated 3D approach to identify coronary stenoses. International Journal of Cardiovascular Imaging, 2006, 22, 507-516.	1.5	24
84	Total coronary atherosclerotic plaque burden assessment by CT angiography for detecting obstructive coronary artery disease associated with myocardial perfusion abnormalities. Journal of Cardiovascular Computed Tomography, 2016, 10, 121-127.	1.3	24
85	Cardiac Magnetic Resonance-Verified Myocardial Fibrosis in Chagas Disease: Clinical Correlates and Risk Stratification. Arquivos Brasileiros De Cardiologia, 2016, 107, 460-466.	0.8	24
86	Guidelines os the Brazilian Society of Cardiology on Telemedicine in Cardiology - 2019. Arquivos Brasileiros De Cardiologia, 2019, 113, 1006-1056.	0.8	24
87	Chagas' heart disease: gender differences in myocardial damage assessed by cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 88.	3.3	22
88	Injeção intracoronariana de células tronco após infarto do miocárdio: subestudo da microcirculação. Arquivos Brasileiros De Cardiologia, 2011, 97, 420-426.	0.8	21
89	Microvascular Obstruction. Journal of the American College of Cardiology, 2008, 51, 2239-2240.	2.8	20
90	Is Coronary Artery Calcification Associated with Vertebral Bone Density in Nondialyzed Chronic Kidney Disease Patients?. Clinical Journal of the American Society of Nephrology: CJASN, 2011, 6, 1456-1462.	4.5	20

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91	Transmyocardial laser revascularization plus cell therapy for refractory angina. International Journal of Cardiology, 2008, 127, 295-297.	1.7	19
92	T1 Mapping. Magnetic Resonance Imaging Clinics of North America, 2015, 23, 25-34.	1.1	19
93	Effects of CPAP on Metabolic Syndrome in Patients With OSA. Chest, 2022, 161, 1370-1381.	0.8	19
94	Computed Tomographic Perfusion Improves Diagnostic Power of Coronary Computed Tomographic Angiography in Women. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	18
95	Use of imaging and clinical data to screen for cardiovascular disease in asymptomatic diabetics. Cardiovascular Diabetology, 2016, 15, 28.	6.8	18
96	CT Coronary Calcification: What Does a Score of â€œ0â€•Mean?. Current Cardiology Reports, 2011, 13, 49-56.	2.9	17
97	Patterns of coronary arterial lesion calcification by a novel, cross-sectional CT angiographic assessment. International Journal of Cardiovascular Imaging, 2013, 29, 1619-1627.	1.5	17
98	Association between postprandial triglycerides and coronary artery disease detected by coronary computed tomography angiography. Atherosclerosis, 2014, 233, 381-386.	0.8	17
99	Quantification of aortic stenosis diagnostic parameters: comparison of fast 3 direction and 1 direction phase contrast CMR and transthoracic echocardiography. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 35.	3.3	17
100	MRI to assess arrhythmia and cardiomyopathies. Journal of Magnetic Resonance Imaging, 2006, 24, 1197-1206.	3.4	16
101	Incremental Value of Perfusion over Wallâ€•Motion Abnormalities with the Use of Dobutamineâ€"Atropine Stress Myocardial Contrast Echocardiography and Magnetic Resonance Imaging for Detecting Coronary Artery Disease. Echocardiography, 2013, 30, 45-54.	0.9	16
102	QuantificaÃ§Ã£o da massa infartada do ventrÃculo esquerdo pela ressonÃ¢ncia magnÃ©tica cardÃaca: comparaÃ§Ã£o entre a planimetria e o mÃ©todo de escore visual semi-quantitativo. Arquivos Brasileiros De Cardiologia, 2004, 83, 111-117.	0.8	16
103	Muscle sympathetic nerve activity in patients with Chagas' disease. International Journal of Cardiology, 2009, 137, 252-259.	1.7	15
104	Early Increase in Myocardial Perfusion After Stem Cell Therapy in Patients Undergoing Incomplete Coronary Artery Bypass Surgery. Journal of Cardiovascular Translational Research, 2011, 4, 106-113.	2.4	15
105	Diminished cholesterol efflux mediated by HDL and coronary artery disease in young male anabolic androgenic steroid users. Atherosclerosis, 2019, 283, 100-105.	0.8	15
106	Accuracy of multidetector computed tomography for detection of coronary artery stenosis in acute coronary syndrome compared with stable coronary disease: A CORE64 multicenter trial substudy. International Journal of Cardiology, 2014, 177, 385-391.	1.7	14
107	Diretriz de Miocardites da Sociedade Brasileira de Cardiologia â€" 2022. Arquivos Brasileiros De Cardiologia, 2022, 119, 143-211.	0.8	14
108	Regression of coronary artery outward remodeling in patients with nonâ€"ST-segment acute coronary syndromes: A longitudinal study using noninvasive magnetic resonance imaging. American Heart Journal, 2006, 152, 1123-1132.	2.7	13

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109	Determination of Size and Transmural Extent of Acute Myocardial Infarction by Real-time Myocardial Perfusion Echocardiography: A Comparison with Magnetic Resonance Imaging. Journal of the American Society of Echocardiography, 2007, 20, 126-135.	2.8	13
110	Optimized three‐dimensional sodium imaging of the human heart on a clinical 3T scanner. Magnetic Resonance in Medicine, 2015, 73, 623-632.	3.0	13
111	MRI to Assess Arrhythmia and Cardiomyopathies: Relationship to Echocardiography. Echocardiography, 2007, 24, 194-206.	0.9	12
112	Intramyocardial Injection of Autologous Bone Marrow Cells as an Adjunctive Therapy to Incomplete Myocardial Revascularization - Safety Issues. Clinics, 2008, 63, 207-214.	1.5	12
113	Diagnostic performance of combined cardiac MRI for detection of coronary artery disease. European Journal of Radiology, 2012, 81, 1782-1789.	2.6	12
114	Sonothrombolysis Improves Myocardial Dynamics and Microvascular Obstruction Preventing Left Ventricular Remodeling in Patients With ST Elevation Myocardial Infarction. Circulation: Cardiovascular Imaging, 2020, 13, e009536.	2.6	12
115	Diagnostic Challenges of Chagas Cardiomyopathy and CMR Imaging. Global Heart, 2020, 10, 181.	2.3	11
116	New Editor-in-Chief, New Challenges. Arquivos Brasileiros De Cardiologia, 2018, 110, 1-3.	0.8	11
117	Myocardial Delayed Enhancement by Computed Tomography in Hypertrophic Cardiomyopathy. Circulation, 2007, 115, e430-1.	1.6	10
118	Usefulness of Cardiovascular Magnetic Resonance IndicesÂto Rule In or Rule Out Precapillary Pulmonary Hypertension. Canadian Journal of Cardiology, 2015, 31, 1469-1476.	1.7	10
119	Patient Preferences for Coronary CT Angiography with Stress Perfusion, SPECT, or Invasive Coronary Angiography. Radiology, 2019, 291, 340-348.	7.3	10
120	RessonÃ¢ncia magnÃ©tica cardiovascular na cardiomiopatia hipertrÃ³fica. Arquivos Brasileiros De Cardiologia, 2007, 88, 243-248.	0.8	10
121	Morphological and Functional Measurements of the Heart Obtained by Magnetic Resonance Imaging in Brazilians. Arquivos Brasileiros De Cardiologia, 2013, 101, 68-77.	0.8	10
122	Perfusion Impairment in Patients with Normal-appearing Coronary Arteries: Identification with Contrast-enhanced MR Imaging. Radiology, 2006, 238, 464-472.	7.3	9
123	Left Ventricular Free-Wall Rupture After Acute Myocardial Infarction Imaged by Cardiovascular Magnetic Resonance. Journal of Cardiovascular Magnetic Resonance, 2007, 9, 719-721.	3.3	9
124	Rest left ventricular function and contractile reserve by dobutamine stress echocardiography in peripartum cardiomyopathy. Revista Portuguesa De Cardiologia (English Edition), 2012, 31, 287-293.	0.2	9
125	Screening for asymptomatic coronary artery disease in patients with type 2 diabetes mellitus. Archives of Endocrinology and Metabolism, 2016, 60, 143-151.	0.6	9
126	Epicardial fat is associated with severity of subclinical coronary atherosclerosis in familial hypercholesterolemia. Atherosclerosis, 2016, 254, 73-77.	0.8	9

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127	Validation of coronary computed tomography angiography scores for non-invasive assessment of atherosclerotic burden through a comparison with multivessel intravascular ultrasound. Atherosclerosis, 2016, 247, 21-27.	0.8	9
128	Cooling as an Adjunctive Therapy to Percutaneous Intervention in Acute Myocardial Infarction: COOL-MI InCor Trial. Therapeutic Hypothermia and Temperature Management, 2021, 11, 135-144.	0.9	9
129	Prognostic value of noninvasive combined anatomic/functional assessment by cardiac CT in patients with suspected coronary artery disease â€" Comparison with invasive coronary angiography and nuclear myocardial perfusion imaging for the five-year-follow up of the CORE320 multicenter study. Journal of Cardiovascular Computed Tomography, 2021, 15, 485-491.	1.3	9
130	Magnetic resonance imaging in acute myocardial infarction. Current Opinion in Cardiology, 1999, 14, 480.	1.8	9
131	Delayed enhancement by multidetector computed tomography in endomyocardial fibrosis. European Heart Journal, 2008, 29, 347-347.	2.2	8
132	Vertebral bone density by quantitative computed tomography mirrors bone structure histomorphometric parameters in hemodialysis patients. Journal of Bone and Mineral Metabolism, 2013, 31, 551-555.	2.7	8
133	Imagem Cardiovascular e Procedimentos Intervencionistas em Pacientes com Infecção pelo Novo Coronavírus. Arquivos Brasileiros De Cardiologia, 2020, 115, 111-126.	0.8	8
134	The association between coronary artery calcification progression and loss of bone density in non-dialyzed CKD patients. Clinical Nephrology, 2012, 78, 425-431.	0.7	8
135	Pericardial Fat Is Associated with Coronary Artery Calcification in Non-Dialysis Dependent Chronic Kidney Disease Patients. PLoS ONE, 2014, 9, e114358.	2.5	7
136	O ano de 2018 em Cardiologia: uma visão geral da ABC Cardiol e RPC. Revista Portuguesa De Cardiologia, 2019, 38, 73-81.	0.5	7
137	Origem Anômala da Coronária (ALCAPA) em tomógrafo de 64 canais. Arquivos Brasileiros De Cardiologia, 2010, 94, 143-146.	0.8	7
138	Single-Breathhold Four-Dimensional Assessment of Left Ventricular Morphological and Functional Parameters by Magnetic Resonance Imaging Using the VAST Technique. Open Cardiovascular Medicine Journal, 2011, 5, 90-98.	0.3	7
139	Cardiac magnetic resonance imaging in clinical practice. Radiologia Brasileira, 2014, 47, 1-8.	0.7	6
140	Importance of Clinical and Laboratory Findings in the Diagnosis and Surgical Prognosis of Patients with Constrictive Pericarditis. Arquivos Brasileiros De Cardiologia, 2017, 109, 457-465.	0.8	6
141	The New Impact Factor of the Arquivos Brasileiros de Cardiologia (ABC Cardiol), 1.318: An Achievement of the SBC for Our Scientific Community. Arquivos Brasileiros De Cardiologia, 2018, 111, 1-3.	0.8	6
142	Usefulness of ST-segment depression in non-infarct-related electrocardiographic leads in predicting prognosis after thrombolytic therapy for acute myocardial infarction. American Journal of Cardiology, 1997, 79, 1323-1328.	1.6	5
143	Tratamento cirúrgico da coarctação do arco aórtico em adulto: avaliação clínica e angiográfica tardia da técnica extra-anatômica. Brazilian Journal of Cardiovascular Surgery, 2001, 16, 187-194.	0.6	5
144	Is there relationship between epicardial fat and cardiovascular parameters in incident kidney transplant patients? A post-hoc analysis. PLoS ONE, 2018, 13, e0191009.	2.5	5

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145	Comprehensive Assessment of Cardiac Involvement in Muscular Dystrophies by Cardiac MR Imaging. Magnetic Resonance Imaging Clinics of North America, 2019, 27, 521-531.	1.1	5
146	Corneal and Conjunctival Calcification in a Dialysis Patient Reversed by Parathyroidectomy. Blood Purification, 2021, 50, 254-256.	1.8	5
147	Os top 10 artigos originais publicados nos Arquivos Brasileiros de Cardiologia e na Revista Portuguesa de Cardiologia em 2019. Revista Portuguesa De Cardiologia, 2020, 39, 115-121.	0.5	5
148	Posicionamento Brasileiro sobre o Uso da Multimodalidade de Imagens na Cardio-Oncologia â€" 2021. Arquivos Brasileiros De Cardiologia, 2021, 117, 845-909.	0.8	5
149	Cardiac MRI and CT: the eyes to visualize coronary arterial disease and their effect on the prognosis explained by the SchrÃ¶dinger's cat paradox. Radiologia Brasileira, 2016, 49, VII-VIII.	0.7	5
150	Late percutaneous coronary intervention for an occluded infarct-related artery in patients with preserved infarct zone viability: A pooled analysis of cardiovascular magnetic resonance studies. Cardiology Journal, 2013, 20, 552-559.	1.2	5
151	Evaluation of Myocardial Perfusion by Computed Tomography - Principles, Technical Background and Recommendations. Arquivos Brasileiros De Cardiologia, 2019, 113, 758-767.	0.8	5
152	Noninvasive evaluation of left circumflex coronary aneurysm by real-time three-dimensional echocardiography. European Journal of Echocardiography, 2006, 7, 75-78.	2.3	4
153	RessonÃ¢ncia magnÃ©tica cardÃaca e seus planos anatÃ´micos: como eu faÃ§o?. Arquivos Brasileiros De Cardiologia, 2010, 95, 756-763.	0.8	4
154	Diltiazem como alternativa ao betabloqueador na angiotomografia de artÃ©rias coronÃ¡rias. Arquivos Brasileiros De Cardiologia, 2012, 99, 706-713.	0.8	4
155	Coronary Computed Tomography Angiography in the Assessment of Acute Chest Pain in the Emergency Room. Arquivos Brasileiros De Cardiologia, 2013, 101, 562-9.	0.8	4
156	Diagnostic accuracy of semi-automatic quantitative metrics as an alternative to expert reading of CT myocardial perfusion in the CORE320 study. Journal of Cardiovascular Computed Tomography, 2018, 12, 212-219.	1.3	4
157	Authorship: from credit to accountability. Reflections from the Editorsâ€™ Network. Basic Research in Cardiology, 2019, 114, 23.	5.9	4
158	Just-Released JCR Impact Factor Shows Strong and Steady Increase for ABC Cardiol - 1.679 - A New Historical Record. Arquivos Brasileiros De Cardiologia, 2019, 113, 1-4.	0.8	4
159	Menor PrevalÃªncia e ExtensÃ£o da Aterosclerose CoronÃ¡ria na DoenÃ§a de Chagas CrÃ´nica por Angiotomografia CoronÃ¡ria. Arquivos Brasileiros De Cardiologia, 2020, 115, 1051-1060.	0.8	4
160	Bone Marrow Cells Improve Coronary Flow Reserve in Ischemic Non-revascularized Myocardium. JACC: Cardiovascular Imaging, 2022, 15, 812-824.	5.3	4
161	An unusual association of endomyocardial fibrosis and hypertrophic cardiomyopathy in a patient with heart failure. Cardiovascular Pathology, 2012, 21, e23-e25.	1.6	3
162	Spirometry in patients screened for coronary artery disease: is it useful?. Jornal Brasileiro De Pneumologia, 2018, 44, 299-306.	0.7	3

#	Article	IF	Citations
163	Functional Significance of CoronaryÂStenosis. JACC: Cardiovascular Imaging, 2019, 12, 1498-1500.	5.3	3
164	Comparative effectiveness of coronary artery stenosis and atherosclerotic plaque burden assessment for predicting 30-day revascularization and 2-year major adverse cardiac events. International Journal of Cardiovascular Imaging, 2020, 36, 2365-2375.	1.5	3
165	Longitudinal Shortening of the Left Ventricle by Cine-CMR for Assessment of Diastolic Function in Patients with Aortic Valve Disease. Arquivos Brasileiros De Cardiologia, 2019, 114, 284-292.	0.8	3
166	A ressonÃ¢ncia magnÃ©tica como mÃ©todo propedÃªutico em valvopatia. Arquivos Brasileiros De Cardiologia, 2006, 87, 534-537.	0.8	3
167	O papel dos Arquivos Brasileiros de Cardiologia em uma nova era da imagem cardiovascular nÃ£o invasiva. Arquivos Brasileiros De Cardiologia, 2012, 98, 3-5.	0.8	3
168	Delayed Myocardial Enhancement by Cardiac Magnetic Resonance Imaging in Pulmonary Arterial Hypertension: A Marker of Severity of Disease. Arquivos Brasileiros De Cardiologia, 2013, 101, 377-8.	0.8	3
169	Comparison between MDCT and Grayscale IVUS in a Quantitative Analysis of Coronary Lumen in Segments with or without Atherosclerotic Plaques. Arquivos Brasileiros De Cardiologia, 2014, 104, 315-23.	0.8	3
170	Coronary Computed Tomography Angiography Takes the Center Stage and Here is Why. Arquivos Brasileiros De Cardiologia, 2018, 112, 104-106.	0.8	3
171	Arquivos Brasileiros de Cardiologia (ABC Cardiol) e a nova classificaÃ§Ã£o Qualis da CoordenaÃ§Ã£o de AperfeiÃ§oamento de Pessoal de NÃvel Superior (CAPES). Arquivos Brasileiros De Cardiologia, 2019, 113, 333-334.	0.8	3
172	InteraÃ§Ã£o entre PeriÃ³dicos da CiÃªncia Cardiovascular no Brasil: Um Formato que Deve Ser Melhor Explorado. Arquivos Brasileiros De Cardiologia, 2020, 114, 433-434.	0.8	3
173	Coronary calcification and bone microarchitecture by high-resolution peripheral quantitative computed tomography from the SÃ£o Paulo Ageing and Health (SPAH) Study. Scientific Reports, 2022, 12, 5282.	3.3	3
174	Myocardial Fibrosis in Duchenne and Becker Muscular Dystrophyâ€"Reply. JAMA Cardiology, 2017, 2, 1046.	6.1	2
175	Applicability and accuracy of pretest probability calculations implemented in the NICE clinical guideline for decision making about imaging in patients with chest pain of recent onset. European Radiology, 2018, 28, 4006-4017.	4.5	2
176	Image Quality and Radiation Exposure Comparison of a Double High-Pitch Acquisition for Coronary Computed Tomography Angiography Versus Standard Retrospective Spiral Acquisition in Patients With Atrial Fibrillation. Journal of Computer Assisted Tomography, 2018, 42, 45-53.	0.9	2
177	3D Medical Objects Retrieval Approach Using SPHARMs Descriptor and Network Flow as Similarity Measure. , 2018, , .		2
178	Reply. Journal of the American College of Cardiology, 2019, 73, 1735-1737.	2.8	2
179	Long-term prognostic value of late gadolinium enhancement and periprocedural myocardial infarction after uncomplicated revascularization: MASS-V follow-up. European Heart Journal Cardiovascular Imaging, 2020, , .	1.2	2
180	Correlation between computed tomography adapted leaman score and computed tomography liver and spleen attenuation parameters for non-alcoholic fatty liver disease as well as respective inflammatory mediators. International Journal of Cardiovascular Imaging, 2020, 36, 2383-2391.	1.5	2

#	Article	IF	Citations
181	Hypotheses, rationale, design, and methods for prognostic evaluation of a randomized comparison between patients with coronary artery disease associated with ischemic cardiomyopathy who undergo medical or surgical treatment: MASS-VI (HF). Trials, 2020, 21, 337.	1.6	2
182	Posicionamento sobre Indicações e Reintrodução dos Métodos de Imagem Cardiovascular de Forma Segura no Cenário da COVID-19 â€" 2021. Arquivos Brasileiros De Cardiologia, 2021, 116, 659-678.	0.8	2
183	O Melhor do Ano 2020 nos Arquivos Brasileiros de Cardiologia e na Revista Portuguesa de Cardiologia. Arquivos Brasileiros De Cardiologia, 2021, 116, 1153-1160.	0.8	2
184	Fator de Impacto de 2,0, um Novo Recorde Histórico do ABC Cardiol â€" Muito Obrigado a nossa Comunidade Científica e Cardiológica. Arquivos Brasileiros De Cardiologia, 2021, 117, 266-269.	0.8	2
185	O Melhor do Ano 2020 nos Arquivos Brasileiros de Cardiologia e na Revista Portuguesa de Cardiologia. Revista Portuguesa De Cardiologia, 2021, 40, 903-903.	0.5	2
186	A avaliação do stent coronariano pela tomografia computadorizada cardiovascular. Arquivos Brasileiros De Cardiologia, 2006, 87, 560-1.	0.8	2
187	Qual o seu diagnóstico?. Radiologia Brasileira, 2007, 40, VII-IX.	0.7	2
188	What are the Characteristics of an Excellent Review of Scientific Articles?. Arquivos Brasileiros De Cardiologia, 2018, 110, 106-108.	0.8	2
189	The Year in Cardiology 2018: ABC Cardiol and RPC at a glance. Arquivos Brasileiros De Cardiologia, 2019, 112, 193-200.	0.8	2
190	ABC Cardiol â€" O Lar da Pesquisa Científica Cardiovascular. Arquivos Brasileiros De Cardiologia, 2020, 115, 1044-1046.	0.8	2
191	Posicionamento sobre Indicações da Ecocardiografia em Cardiologia Fetal, Pediátrica e Cardiopatias Congênitas do Adulto â€" 2020. Arquivos Brasileiros De Cardiologia, 2020, 115, 987-1005.	0.8	2
192	Cortical bone density by quantitative computed tomography mirrors disorders of bone structure in bone biopsy of non-dialysis CKD patients. Bone Reports, 2022, 16, 101166.	0.4	2
193	Os Melhores Artigos do Ano 2021 nos Arquivos Brasileiros de Cardiologia e na Revista Portuguesa de Cardiologia. Arquivos Brasileiros De Cardiologia, 2022, 119, 113-123.	0.8	2
194	Análise direcional do fluxo sangüíneo miocárdico após revascularização transmiocárdica com laser de CO2: estudo através da ressonância magnética com imagens de gradiente ultra-rápido. Brazilian Journal of Cardiovascular Surgery, 2002, 17, 109.	0.6	1
195	Rare Association: Chagas' Disease and Hypertrophic Cardiomyopathy. Annals of Noninvasive Electrocardiology, 2015, 20, 498-501.	1.1	1
196	Natural History of Adapted Leaman Score Assessing Coronary Artery Disease Progression by Computed Tomography Angiography: A 7-Year Follow-Up Report. Cardiovascular Revascularization Medicine, 2021, 27, 38-44.	0.8	1
197	Decreased Native T1 Values and Impaired Myocardial Contractility in Anabolic Steroid Users. International Journal of Sports Medicine, 2021, , .	1.7	1
198	Qual o seu diagnóstico?. Radiologia Brasileira, 2006, 39, V-VII.	0.7	1

#	Article	IF	Citations
199	Ressonância magnética é útil em valvopatia. Arquivos Brasileiros De Cardiologia, 2006, 87, e213-e214.	0.8	1
200	Associação entre a densidade radiológica da placa à tomografia de coronárias com 64 colunas de detectores e a composição da placa ao ultrassom intravascular com técnica de histologia virtual: resultados de uma comparação pareada prospectiva. Revista Brasileira De Cardiologia Invasiva, 2009, 17, 327-334.	0.1	1
201	Anomalous origin of left coronary artery diagnosed by magnetic resonance imaging. Clinics, 2010, 65, 1215-1216.	1.5	1
202	Correlation between Myocardial Scintigraphy and CT Angiography in the Evaluation of Coronary Disease. Arquivos Brasileiros De Cardiologia, 2013, 100, 238-45.	0.8	1
203	Doenças de Depósito como Diagnóstico Diferencial de Hipertrofia Ventricular Esquerda em Pacientes com Insuficiência Cardíaca e Função Sistólica Preservada. Arquivos Brasileiros De Cardiologia, 2019, 113, 979-987.	0.8	1
204	Myocardial Injury in Patients With Acute and Subacute Chagas Disease in the Brazilian Amazon Using Cardiovascular MagneticÂResonance. Journal of the American Heart Association, 2022, 11, .	3.7	1
205	How to monitor myocardial ischemia. Current Opinion in Critical Care, 2000, 6, 359-371.	3.2	0
206	TCT-293 Quantifying Total Atherosclerotic Burden Non-Invasively Through Coronary Computed Tomography Angiography: A Comparison With Multivessel Intravascular Ultrasound Data. Journal of the American College of Cardiology, 2014, 64, B84.	2.8	0
207	Dipyridamole Stress myocardial Perfusion by Computed Tomography in Patients with Left Bundle Branch Block. Arquivos Brasileiros De Cardiologia, 2015, 105, 614-24.	0.8	0
208	Complication of hybrid treatment in type B aortic dissection diagnosed by echocardiography. Echocardiography, 2017, 34, 794-795.	0.9	0
209	ACHILLES TENDON XANTHOMAS ARE INDEPENDENTLY ASSOCIATED WITH SEVERITY OF SUBCLINICAL CORONARY ATHEROSCLEROSIS IN FAMILIAL HYPERCHOLESTEROLEMIA. Journal of the American College of Cardiology, 2017, 69, 1680.	2.8	0
210	Simulation and validation of therapeutic hypothermia as an adjuvant treatment in ST segment elevation myocardial infarction. Resuscitation, 2017, 118, e88-e89.	3.0	0
211	TCT-513 Endovascular Therapeutic Hypothermia Is Feasible as an Adjuvant Therapy in Acute ST-Segment Elevation Myocardial Infarction Patients Without Delay in Door-to-Balloon Time. Journal of the American College of Cardiology, 2019, 74, B507.	2.8	0
212	ABC Cardiol Journal. European Heart Journal, 2019, 40, 573-574.	2.2	0
213	Correlação Angiotomográfica-Eletrocardiográfica na Síndrome de Wellens. Arquivos Brasileiros De Cardiologia, 2021, 116, 363-366.	0.8	0
214	Fúlvio Pileggi: Um Ícone da Cardiologia Brasileira. Arquivos Brasileiros De Cardiologia, 2021, 117, 1-4.	0.8	0
215	Non-nuclear Cardiac Imaging Modalities: CT and MRI. , 2021, , 145-181.		0
216	Qual o seu diagnóstico?. Radiologia Brasileira, 2007, 40, 7-9.	0.7	0

#	Article	IF	Citations
217	Qual o seu diagnÃ³stico?. Radiologia Brasileira, 2007, 40, XI-XIII.	0.7	0
218	Qual o seu diagnÃ³stico?. Radiologia Brasileira, 2008, 41, vii-x.	0.7	0
219	Viability assessment and cardiac function. , 2009, , 158-167.		0
220	Coronary atherosclerotic plaque rupture following thoracic trauma: an uncommon cause of angina and ventricular tachycardia ("torsade de pointes"). Clinics, 2011, 66, 1291-1293.	1.5	0
221	Ex-vivo Assessment of Coronary Artery Atherosclerosis by Magnetic Resonance Imaging: Correlation with Histopathology. Open Cardiovascular Medicine Journal, 2014, 8, 26-34.	0.3	0
222	Os Top 10 Artigos Originais Publicados nos Arquivos Brasileiros de Cardiologia e na Revista Portuguesa de Cardiologia em 2019. Arquivos Brasileiros De Cardiologia, 2020, 114, 564-570.	0.8	0
223	Cardiac Magnetic Resonance Analysis of Mitral Annular Dynamics after Mitral Valve Repair. Clinics, 2020, 75, e2428.	1.5	0
224	Cardiac Magnetic Resonance in the Assessment of Chagas Disease and its Complications. International Journal of Cardiovascular Sciences, 2020, 33, 705-712.	0.1	0
225	A ImportÃ¢ncia de se Entender a EvoluÃ§Ã£o da Fibrose MiocÃ¡rdica na Cardiomiopatia ChagÃ¡sica CrÃ´nica. Arquivos Brasileiros De Cardiologia, 2021, 117, 1091-1092.	0.8	0
226	A bipartite graph approach to retrieve similar 3D models with different resolution and types of cardiomyopathies. Expert Systems With Applications, 2022, 193, 116422.	7.6	0
227	Reply: To PMID 22892694. Arquivos Brasileiros De Cardiologia, 2013, 100, 484.	0.8	0
228	Endovascular therapeutic hypothermia adjunctive to percutaneous coronary intervention in acute myocardial infarction: realistic simulation as a game changer. Reviews in Cardiovascular Medicine, 2022, 23, 0104.	1.4	0
229	2020 Top 10 Original Articles in the Arquivos Brasileiros de Cardiologia and the Revista Portuguesa de Cardiologia. Revista Portuguesa De Cardiologia (English Edition), 2021, 40, 903-910.	0.2	0
230	2021 top 10 articles in the Arquivos Brasileiros de Cardiologia and the Revista Portuguesa de Cardiologia. Revista Portuguesa De Cardiologia, 2022, , .	0.5	0
231	Miocardite por COVID-19 Mimetizando Infarto MiocÃ¡rdico com Supradesnivelamento de Segmento ST. Arquivos Brasileiros De Cardiologia, 2022, , .	0.8	0