Nuno Bettencourt

List of Publications by Year in descending order

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126 papers 2,743 citations

218592 26 h-index 206029 48 g-index

144 all docs 144 docs citations

times ranked

144

3910 citing authors

#	Article	IF	CITATIONS
1	Computed tomography angiography versus Agatston score for diagnosis of coronary artery disease in patients with stable chest pain: individual patient data meta-analysis of the international COME-CCT Consortium. European Radiology, 2022, 32, 5233-5245.	2.3	6
2	Decoding the radiomic and proteomic phenotype of epicardial adipose tissue associated with adverse left atrial remodelling and post-operative atrial fibrillation in aortic stenosis. European Heart Journal Cardiovascular Imaging, 2022, 23, 1248-1259.	0.5	4
3	Papel da Tomografia Computorizada na Exclusão de SÃndrome Coronária Aguda em Contexto de Urgência: A Anatomia é o Caminho?. Arquivos Brasileiros De Cardiologia, 2022, 118, 903-904.	0.3	O
4	Prime time for coronary calcium scoring: It should come, but will it?. Revista Portuguesa De Cardiologia, 2021, 40, 31-32.	0.2	0
5	Left ventricular reverse remodeling and function by strain analysis in aortic stenosis: A CMR analysis of the EPICHEART study. Revista Portuguesa De Cardiologia, 2021, 40, 153-164.	0.2	2
6	Metformin in non-diabetic patients with metabolic syndrome and diastolic dysfunction: the MET-DIME randomized trial. Endocrine, 2021, 72, 699-710.	1.1	11
7	Prime time for coronary calcium scoring: It should come, but will it?. Revista Portuguesa De Cardiologia (English Edition), 2021, 40, 31-32.	0.2	O
8	Epicardial adipose tissue volume and annexin A2/fetuin-A signalling are linked to coronary calcification in advanced coronary artery disease: Computed tomography and proteomic biomarkers from the EPICHEART study. Atherosclerosis, 2020, 292, 75-83.	0.4	25
9	Metabolic syndrome severity score is associated with diastolic dysfunction and low-grade inflammation in a community-based cohort. European Journal of Preventive Cardiology, 2020, 27, 2330-2333.	0.8	4
10	Myocardial Edema: an Overlooked Mechanism of Septic Cardiomyopathy?. Shock, 2020, 53, 616-619.	1.0	19
11	Influence of EPICardial adipose tissue in HEART diseases (EPICHEART) study: Protocol for a translational study in coronary atherosclerosis. Revista Portuguesa De Cardiologia, 2020, 39, 625-633.	0.2	2
12	Myocardial Edema and Remodeling. Journal of the American College of Cardiology, 2020, 75, 1497-1498.	1.2	7
13	Influence of EPICardial adipose tissue in HEART diseases (EPICHEART) study: Protocol for a translational study in coronary atherosclerosis. Revista Portuguesa De Cardiologia (English Edition), 2020, 39, 625-633.	0.2	0
14	Quantification of the difference between Cardiac Magnetic Resonance signals in perfusion studies with and without motion correction algorithms. , 2019, , .		O
15	Giant Nondissecting Ascending Aortic Aneurysm in a Paucisymptomatic Young Man. Annals of Thoracic Surgery, 2019, 108, e125.	0.7	O
16	Management of patients after computed tomography coronary angiography: Evidence and room for improvement. Revista Portuguesa De Cardiologia, 2019, 38, 51-52.	0.2	5
17	Magnetic Resonance Perfusion or Fractional Flow Reserve in Coronary Disease. New England Journal of Medicine, 2019, 380, 2418-2428.	13.9	326
18	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, 11945.	2.4	99

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19	Management of patients after computed tomography coronary angiography: Evidence and room for improvement. Revista Portuguesa De Cardiologia (English Edition), 2019, 38, 51-52.	0.2	O
20	The Impact of the Right Coronary Artery Geometric Parameters on Hemodynamic Performance. Cardiovascular Engineering and Technology, 2019, 10, 257-270.	0.7	26
21	Cardiac magnetic resonance in myocarditis – do we need more tools?. Revista Portuguesa De Cardiologia, 2019, 38, 777-778.	0.2	3
22	Meta-Analysis of Relation of Epicardial Adipose Tissue Volume to Left Atrial Dilation and to Left Ventricular Hypertrophy and Functions. American Journal of Cardiology, 2019, 123, 523-531.	0.7	20
23	Correlation between geometric parameters of the left coronary artery and hemodynamic descriptors of atherosclerosis: FSI and statistical study. Medical and Biological Engineering and Computing, 2019, 57, 715-729.	1.6	37
24	Metabolic Syndrome Is Associated With Impaired Diastolic Function Independently of MRI-Derived Myocardial Extracellular Volume: The MESA Study. Diabetes, 2018, 67, 1007-1012.	0.3	26
25	latrogenic aortic dissection – Follow the image!. Revista Portuguesa De Cardiologia, 2018, 37, 91-92.	0.2	0
26	Epicardial adipose tissue volume assessed by computed tomography and coronary artery disease: a systematic review and meta-analysis. European Heart Journal Cardiovascular Imaging, 2018, 19, 490-497.	0.5	120
27	Alteración del strain auricular izquierdo como predictor de fibrilación auricular de nuevo comienzo tras recambio valvular aórtico, independientemente del tamaño de la aurÃcula izquierda. Revista Espanola De Cardiologia, 2018, 71, 466-476.	0.6	18
28	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.	2.3	2
29	Impaired Left Atrial Strain as a Predictor of New-onset Atrial Fibrillation After Aortic Valve Replacement Independently of Left Atrial Size. Revista Espanola De Cardiologia (English Ed), 2018, 71, 466-476.	0.4	17
30	Importance of operator training and rest perfusion on the diagnostic accuracy of stress perfusion cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 74.	1.6	33
31	Intimal sarcoma of the left atrium – A rare form of mitral valve obstruction. Revista Portuguesa De Cardiologia, 2018, 37, 543-544.	0.2	2
32	Fabry disease: Something cardiologists must always bear in mind. Revista Portuguesa De Cardiologia, 2018, 37, 467-468.	0.2	0
33	Out of Sight, out of Mind; Subcutaneous, Visceral, and Epicardial Adipose Tissue. Response. Revista Espanola De Cardiologia (English Ed), 2017, 70, 515-516.	0.4	0
34	Gender differences in the association of epicardial adipose tissue and coronary artery calcification: EPICHEART study. International Journal of Cardiology, 2017, 249, 419-425.	0.8	30
35	Ojos que no ven, corazón que no siente: el tejido adiposo subcutáneo, epicárdico y visceral. Respuesta. Revista Espanola De Cardiologia, 2017, 70, 515-516.	0.6	0
36	Computed tomography versus invasive coronary angiography: design and methods of the pragmatic randomised multicentre DISCHARGE trial. European Radiology, 2017, 27, 2957-2968.	2.3	33

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37	The Ratio Between Visceral and Subcutaneous Abdominal Fat Assessed by Computed Tomography Is an Independent Predictor of Mortality and Cardiac Events. Revista Espanola De Cardiologia (English Ed), 2017, 70, 331-337.	0.4	47
38	Incidence and predictors of vascular access site complications following transfemoral transcatheter aortic valve implantation. Revista Portuguesa De Cardiologia, 2017, 36, 747-753.	0.2	18
39	Frailty syndrome: Visceral adipose tissue and frailty in patients with symptomatic severe aortic stenosis. Journal of Nutrition, Health and Aging, 2017, 21, 120-128.	1.5	2
40	Incidence and predictors of vascular access site complications following transfemoral transcatheter aortic valve implantation. Revista Portuguesa De Cardiologia (English Edition), 2017, 36, 747-753.	0.2	3
41	Association of body mass index and visceral fat with aortic valve calcification and mortality after transcatheter aortic valve replacement: the obesity paradox in severe aortic stenosis. Diabetology and Metabolic Syndrome, 2017, 9, 86.	1.2	18
42	Microvascular ischemia in hypertrophic cardiomyopathy: new insights from high-resolution combined quantification of perfusion and late gadolinium enhancement. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 4.	1.6	43
43	Perfusion cardiovascular magnetic resonance and fractional flow reserve in patients with angiographic multi-vessel coronary artery disease. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 44.	1.6	17
44	The impact of neck and abdominal fat accumulation on the pathogenesis of obstructive sleep apnea. Revista Portuguesa De Pneumologia, 2016, 22, 240-242.	0.7	1
45	An unusual trigger causing Takotsubo Syndrome. International Journal of Cardiology, 2016, 223, 118-120.	0.8	9
46	Comparison of Coronary Artery Disease Consortium 1 and 2 Scores and Duke Clinical Score to Predict Obstructive Coronary Disease by Invasive Coronary Angiography. Clinical Cardiology, 2016, 39, 223-228.	0.7	24
47	Influence of <scp>TNF</scp> ‱ gene polymorphisms in coronary artery calcification in psoriasis patients. Journal of the European Academy of Dermatology and Venereology, 2016, 30, 191-193.	1.3	7
48	Aortic Valve Calcium Volume Predicts Paravalvular Regurgitation and the Need for Balloon Postâ€Dilatation After Transcatheter Aortic Valve Implantation. Journal of Interventional Cardiology, 2016, 29, 117-123.	0.5	27
49	Multiple myocardial crypts: multimodality imaging evaluation. Echocardiography, 2016, 33, 1617-1618.	0.3	O
50	Computed tomography-guided pericardiocentesis – A single-center experience. Revista Portuguesa De Cardiologia, 2016, 35, 285-290.	0.2	14
51	Coronary arteries anomalous aortic origin on a computed tomography angiography population: prevalence, characteristics and clinical impact. International Journal of Cardiovascular Imaging, 2016, 32, 983-990.	0.7	18
52	CT myocardial perfusion and coronary CT angiography: Influence of coronary calcium on a stress–rest protocol. Journal of Cardiovascular Computed Tomography, 2016, 10, 215-220.	0.7	13
53	Assessment of cardiovascular physiology using dobutamine stress cardiovascular magnetic resonance reveals impaired contractile reserve in patients with cirrhotic cardiomyopathy. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 61.	1.6	29
54	The Effect of Exercise Training on Diastolic and Systolic Function After Acute Myocardial Infarction. Medicine (United States), 2015, 94, e1450.	0.4	22

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55	Coronary Artery Disease and Symptomatic Severe Aortic Valve Stenosis: Clinical Outcomes after Transcatheter Aortic Valve Implantation. Frontiers in Cardiovascular Medicine, 2015, 2, 18.	1.1	22
56	Myocardial Feature Tracking Reduces Observer-Dependence in Low-Dose Dobutamine Stress Cardiovascular Magnetic Resonance. PLoS ONE, 2015, 10, e0122858.	1.1	29
57	Giant and electrically silent right atrium. European Heart Journal Cardiovascular Imaging, 2015, 16, 683.	0.5	1
58	Noninvasive anatomical and functional assessment of coronary artery disease. Revista Portuguesa De Cardiologia (English Edition), 2015, 34, 223-232.	0.2	2
59	Epicardial adipose tissue and coronary artery calcification in psoriasis patients. Journal of the European Academy of Dermatology and Venereology, 2015, 29, 270-277.	1.3	38
60	Influence of interleukin-6 gene polymorphisms in epicardial adipose tissue and coronary artery calcification in patients with psoriasis. British Journal of Dermatology, 2015, 172, 534-536.	1.4	4
61	Noninvasive anatomical and functional assessment of coronary artery disease. Revista Portuguesa De Cardiologia, 2015, 34, 223-232.	0.2	5
62	Lack of association between leptin, leptin receptor, adiponectin gene polymorphisms and epicardial adipose tissue, abdominal visceral fat volume and atherosclerotic burden in psoriasis patients. Archives of Physiology and Biochemistry, 2015, 121, 103-108.	1.0	9
63	Novel therapeutic targets of metformin: metabolic syndrome and cardiovascular disease. Expert Opinion on Therapeutic Targets, 2015, 19, 869-877.	1.5	29
64	Aortic arch rescued through double-chimney technique. Revista Portuguesa De Cardiologia, 2015, 34, 363-364.	0.2	0
65	O que não mata engorda!. Revista Portuguesa De Cardiologia, 2015, 34, 295-296.	0.2	0
66	A divided ventricle: A rare case of hypertrophic cardiomyopathy with †burned out†apex. Revista Portuguesa De Cardiologia, 2015, 34, 293-294.	0.2	0
67	Sopro de uma bala – lesão antiga, nova terapêutica. Revista Portuguesa De Cardiologia, 2015, 34, 423.e1-423.e3.	0.2	0
68	Anatomical versus functional assessment of coronary artery disease: direct comparison of computed tomography coronary angiography and magnetic resonance myocardial perfusion imaging in patients with intermediate pre-test probability. International Journal of Cardiovascular Imaging, 2014, 30, 1589-1597.	0.7	11
69	Meningeal haemorrhage secondary to cerebrospinal fluid drainage during thoracic endovascular aortic repair. Oxford Medical Case Reports, 2014, 2014, 56-59.	0.2	3
70	Left ventricular partitioning device ('Parachute'): a multi-modality imaging perspective. European Heart Journal Cardiovascular Imaging, 2014, 15, 225-225.	0.5	2
71	Isolated left ventricular apical hypoplasia. European Heart Journal Cardiovascular Imaging, 2014, 15, 1399-1399.	0.5	4
72	Hematoma intramural da aorta: evolução (im)previsÃvel?. Revista Portuguesa De Cardiologia, 2014, 33, 467.e1-467.e7.	0.2	2

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73	Assessment of bioabsorbable scaffolds by multislice computed tomography angiography. Revista Portuguesa De Cardiologia, 2014, 33, 575-576.	0.2	O
74	Acute aortic dissection complicated by aorto-right ventricular fistula. Revista Portuguesa De Cardiologia, 2014, 33, 813-815.	0.2	2
75	A rare case of congenital aneurysm of the right atrium. Revista Portuguesa De Cardiologia, 2014, 33, 571-572.	0.2	3
76	Implantação mitral transcateter valveâ€inâ€valve: papel préâ€procedimento da tomografia computadorizada com multidetetores. Revista Portuguesa De Cardiologia, 2014, 33, 745-746.	0.2	0
77	Role of cardiac multidetector computed tomography in the exclusion of ischemic etiology in heart failure patients. Revista Portuguesa De Cardiologia, 2014, 33, 629-636.	0.2	12
78	Systolic dysfunction and diastolic dysfunction do not influence medium-term prognosis in patients with cirrhosis. European Journal of Internal Medicine, 2014, 25, 241-246.	1.0	35
79	Psoriasis: The visible killer. Revista Portuguesa De Cardiologia, 2014, 33, 95-99.	0.2	12
80	Left atrial function is impaired in cirrhosis: a speckle tracking echocardiographic study. Hepatology International, 2014, 8, 146-153.	1.9	13
81	Role of cardiac multidetector computed tomography in the exclusion of ischemic etiology in heart failure patients. Revista Portuguesa De Cardiologia (English Edition), 2014, 33, 629-636.	0.2	8
82	Influence of Epicardial and Visceral Fat on Left Ventricular Diastolic and Systolic Functions in Patients After Myocardial Infarction. American Journal of Cardiology, 2014, 114, 1663-1669.	0.7	84
83	Integrating Anatomical and Functional Assessment of Coronary Artery Disease: Can MDCT act as the lone Gatekeeper in the near Future?. Current Cardiovascular Imaging Reports, 2014, 7, 1.	0.4	O
84	Aortic intramural hematoma: An unpredictable evolution. Revista Portuguesa De Cardiologia (English) Tj ETQq0 0 (0,rgBT /Ov	verlock 10 T
85	Quantification of left atrial strain and strain rate using Cardiovascular Magnetic Resonance myocardial feature tracking: a feasibility study. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 60.	1.6	185
86	METformin in Diastolic Dysfunction of MEtabolic Syndrome (MET-DIME) Trial: Rationale and Study Design. Cardiovascular Drugs and Therapy, 2014, 28, 191-196.	1.3	18
87	Complement C3 as a marker of cardiometabolic risk in psoriasis. Archives of Dermatological Research, 2014, 306, 653-660.	1.1	12
88	Individual patient data meta-analysis for the clinical assessment of coronary computed tomography angiography: protocol of the Collaborative Meta-Analysis of Cardiac CT (CoMe-CCT). Systematic Reviews, 2013, 2, 13.	2.5	17
89	Comparison of MR and CT for the Assessment of the Significance of Coronary Artery Disease: a Review. Current Cardiovascular Imaging Reports, 2013, 6, 102-116.	0.4	2
90	Diffuse aneurysmal and obstructive coronary artery disease: A do-not-intervene patient. Revista Portuguesa De Cardiologia, 2013, 32, 629-632.	0.2	8

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91	Direct Comparison of Cardiac Magnetic Resonance and Multidetector Computed Tomography Stress-Rest Perfusion Imaging for Detection of Coronary Artery Disease. Journal of the American College of Cardiology, 2013, 61, 1099-1107.	1.2	147
92	Implantação percutânea de válvula aórtica: a anatomia é (ainda) o fator limitante?. Revista Portuguesa De Cardiologia, 2013, 32, 281-286.	0.2	5
93	Cardiovascular magnetic resonance myocardial feature tracking for quantitative viability assessment in ischemic cardiomyopathy. International Journal of Cardiology, 2013, 166, 413-420.	0.8	97
94	Reply. Journal of the American College of Cardiology, 2013, 62, 353.	1.2	0
95	Incremental value of adenosine stress cardiac magnetic resonance in coronary artery disease detection. International Journal of Cardiology, 2013, 168, 4160-4167.	0.8	13
96	CAD Detection in Patients With Intermediate-High Pre-Test Probability. JACC: Cardiovascular Imaging, 2013, 6, 1062-1071.	2.3	49
97	Is it too late to treat me?. Revista Portuguesa De Cardiologia, 2013, 32, 261-263.	0.2	0
98	Reply. Journal of the American College of Cardiology, 2013, 62, 354.	1.2	0
99	Cardiac magnetic resonance myocardial perfusion imaging for detection of functionally significant obstructive coronary artery disease: A prospective study. International Journal of Cardiology, 2013, 168, 765-773.	0.8	38
100	Systolic and diastolic dysfunction in cirrhosis: a tissueâ€Doppler and speckle tracking echocardiography study. Liver International, 2013, 33, 1158-1165.	1.9	86
101	Additive Value of Magnetic Resonance Coronary Angiography in a Comprehensive Cardiac Magnetic Resonance Stress-Rest Protocol for Detection of Functionally Significant Coronary Artery Disease. Circulation: Cardiovascular Imaging, 2013, 6, 730-738.	1.3	23
102	Transcatheter Aortic Valve Implantation and Requirements of Pacing Over Time. PACE - Pacing and Clinical Electrophysiology, 2013, 36, 559-569.	0.5	56
103	Acute right ventricular myocarditis presenting with chest pain and syncope. BMJ Case Reports, 2013, 2013, bcr2012007173-bcr2012007173.	0.2	16
104	Automatic traceability acquisition framework. , 2012, , .		0
105	Treatment of thoracic aortic disease using endovascular stent-grafts: From therapeutic indications to possible complications. Revista Portuguesa De Cardiologia (English Edition), 2012, 31, 207-214.	0.2	3
106	Constrictive pericarditis: Insights from cardiac computed tomography. Revista Portuguesa De Cardiologia, 2012, 31, 835-836.	0.2	1
107	Caseous calcification of the mitral annulus: A multi-modality imaging perspective. Revista Portuguesa De Cardiologia, 2012, 31, 313-316.	0.2	13
108	Epicardial adipose tissue is an independent predictor of coronary atherosclerotic burden. International Journal of Cardiology, 2012, 158, 26-32.	0.8	149

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109	Diagnosis of Acute Myopericarditis by Delayed-Enhancement Multidetector Computed Tomography. Journal of the American College of Cardiology, 2012, 60, 868.	1.2	4
110	Percutaneous implantation of a ventricular partitioning device for treatment of ischemic heart failure: Initial experience of a center. Revista Portuguesa De Cardiologia, 2012, 31, 795-801.	0.2	7
111	Complex Ventricular Septal Rupture with Dissection of the Right Ventricular Wall in Ischemic Context. Echocardiography, 2012, 29, E112-4.	0.3	5
112	Assessment of left ventricular diastolic function by mr: what radiologists should know. Diagnostic and Interventional Radiology, 2012, 18, 446-53.	0.7	8
113	Towards automatic quantification of the epicardial fat in non-contrasted CT images. Computer Methods in Biomechanics and Biomedical Engineering, 2011, 14, 905-914.	0.9	25
114	Predictors of circulating endothelial progenitor cell levels in patients without known coronary artery disease referred for multidetector computed tomography coronary angiography. Revista Portuguesa De Cardiologia, 2011, 30, 753-760.	0.2	7
115	Multislice computed tomography in the selection of candidates for transcatheter aortic valve implantation. Revista Portuguesa De Cardiologia (English Edition), 2011, 30, 717-726.	0.2	3
116	Predictors of circulating endothelial progenitor cell levels in patients without known coronary artery disease referred for multidetector computed tomography coronary angiography. Revista Portuguesa De Cardiologia (English Edition), 2011, 30, 753-760.	0.2	6
117	Incremental value of an integrated adenosine stress-rest MDCT perfusion protocol for detection of obstructive coronary artery disease. Journal of Cardiovascular Computed Tomography, 2011, 5, 392-405.	0.7	33
118	Acute coronary syndrome and endocarditis 20 years before: how do they match? European Journal of Echocardiography, 2011, 12, 555-555.	2.3	0
119	Myocardial Perfusion Analysis from Adenosine-Induced Stress MDCT. Lecture Notes in Computer Science, 2011, , 717-725.	1.0	0
120	Coronary computed tomography angiography in a single cardiac cycle with a mean radiation dose of approximately 1 mSv: initial experience. Revista Portuguesa De Cardiologia, 2010, 29, 1667-76.	0.2	13
121	MSCT evaluation of patients with prior coronary bypass surgery: what we have and what we lack. International Journal of Cardiovascular Imaging, 2009, 25, 171-173.	0.7	0
122	Cardiac magnetic resonance stress testing: Results and prognosis. Current Cardiology Reports, 2009, 11, 54-60.	1.3	13
123	Assessment of myocardial ischemia and viability using cardiac magnetic resonance. Current Heart Failure Reports, 2009, 6, 142-153.	1.3	20
124	Advances in cardiac MRI: The MR-IMPACT trial. Current Cardiovascular Imaging Reports, 2009, 2, 83-84.	0.4	0
125	Multislice Computed Tomography in the Exclusion of Coronary Artery Disease in Patients With Presurgical Valve Disease. Circulation: Cardiovascular Imaging, 2009, 2, 306-313.	1.3	61
126	Primary diagnosis of quadricuspid aortic valve with multislice computed tomography. Journal of Cardiovascular Computed Tomography, 2008, 2, 195-196.	0.7	5