Pier Giorgio Masci

List of Publications by Year
in descending order

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115 papers	3,876 citations	101543 36 h-index	133252 59 g-index
115 all docs	115 docs citations	115 times ranked	5227 citing authors

#	Article	IF	Citations
1	Predictors of adverse prognosis in COVIDâ€19: A systematic review and metaâ€analysis. European Journal of Clinical Investigation, 2020, 50, e13362.	3.4	275
2	Late Gadolinium Enhancement and theÂRisk for Ventricular Arrhythmias or SuddenÂDeath in Dilated Cardiomyopathy. JACC: Heart Failure, 2017, 5, 28-38.	4.1	262
3	Myocardial fibrosis in isolated left ventricular nonâ€compaction and its relation to disease severity. European Journal of Heart Failure, 2011, 13, 170-176.	7.1	151
4	Myocardial Fibrosis as a Key Determinant of Left Ventricular Remodeling in Idiopathic Dilated Cardiomyopathy. Circulation: Cardiovascular Imaging, 2013, 6, 790-799.	2.6	132
5	Relationship between location and size of myocardial infarction and their reciprocal influences on post-infarction left ventricular remodelling. European Heart Journal, 2011, 32, 1640-1648.	2.2	129
6	Progression of Myocardial Fibrosis Assessed With Cardiac Magnetic Resonance in Hypertrophic Cardiomyopathy. Journal of the American College of Cardiology, 2012, 60, 922-929.	2.8	123
7	CINENet: deep learning-based 3D cardiac CINE MRI reconstruction with multi-coil complex-valued 4D spatio-temporal convolutions. Scientific Reports, 2020, 10, 13710.	3.3	122
8	Long-Term Prognostic Value of CardiacÂMagnetic Resonance in LeftÂVentricle Noncompaction. Journal of the American College of Cardiology, 2016, 68, 2166-2181.	2.8	121
9	5D wholeâ€heart sparse MRI. Magnetic Resonance in Medicine, 2018, 79, 826-838.	3.0	112
10	Stress Perfusion CMR in Patients With Known and Suspected CAD. JACC: Cardiovascular Imaging, 2017, 10, 526-537.	5.3	108
11	Right Ventricular Ischemic Injury in Patients With Acute ST-Segment Elevation Myocardial Infarction. Circulation, 2010, 122, 1405-1412.	1.6	98
12	Incremental Prognostic Value of Myocardial Fibrosis in Patients With Nonâ€“Ischemic Cardiomyopathy Without Congestive Heart Failure. Circulation: Heart Failure, 2014, 7, 448-456.	3.9	94
13	Myocardial Salvage by CMR Correlates With LV Remodeling and Early ST-Segment Resolution in Acute Myocardial Infarction. JACC: Cardiovascular Imaging, 2010, 3, 45-51.	5.3	92
14	Meta-Analysis of the Prognostic Role of Late Gadolinium Enhancement and Global Systolic Impairment in LeftÂVentricular Noncompaction. JACC: Cardiovascular Imaging, 2019, 12, 2141-2151.	5.3	84
15	Reference values of cardiac volumes, dimensions, and new functional parameters by MR: A multicenter, multivendor study. Journal of Magnetic Resonance Imaging, 2017, 45, 1055-1067.	3.4	82
16	Long-Term Incremental Prognostic ValueÂof Cardiovascular Magnetic Resonance After ST-Segment Elevation Myocardial Infarction. JACC: Cardiovascular Imaging, 2018, 11, 813-825.	5.3	73
17	Prognostic Impact of Late Gadolinium Enhancement by Cardiovascular Magnetic Resonance in Myocarditis. Circulation: Cardiovascular Imaging, 2021, 14, e011492.	2.6	71
18	Time course of infarct healing and left ventricular remodelling in patients with reperfused ST segment elevation myocardial infarction using comprehensive magnetic resonance imaging. European Radiology, 2011, 21, 693-701.	4.5	64

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19	High-Resolution Cardiac Magnetic Resonance Imaging Techniques for the Identification of Coronary Microvascular Dysfunction. JACC: Cardiovascular Imaging, 2021, 14, 978-986.	5.3	62
20	Prognostic significance of myocardial extracellular volume fraction in nonischaemic dilated cardiomyopathy. Journal of Cardiovascular Medicine, 2015, 16, 681.	1.5	61
21	Galectin-3 and myocardial fibrosis in nonischemic dilated cardiomyopathy. International Journal of Cardiology, 2015, 184, 96-100.	1.7	60
22	Detection of Regional Myocardial Dysfunction in Patients with Acute Myocardial Infarction Using Velocity Vector Imaging. Journal of the American Society of Echocardiography, 2008, 21, 879-886.	2.8	58
23	Prevalence and Prognostic Value of Concealed Structural Abnormalities in Patients With Apparently Idiopathic Ventricular Arrhythmias of Left Versus Right Ventricular Origin. Circulation: Arrhythmia and Electrophysiology, 2014, 7, 456-462.	4.8	57
24	Impact of active smoking on myocardial infarction severity in reperfused ST-segment elevation myocardial infarction patients: the smoker's paradox revisited. European Heart Journal, 2016, 37, 2756-2764.	2.2	55
25	Myocardial delayed enhancement in paucisymptomatic nonischemic dilated cardiomyopathy. International Journal of Cardiology, 2012, 157, 43-47.	1.7	51
26	Prognostic Stratification of Patients With ST-Segmentâ€“Elevation Myocardial Infarction (PROSPECT). Circulation: Cardiovascular Imaging, 2017, 10, .	2.6	48
27	Myocardial Structural, Perfusion, and Metabolic Correlates of Left Bundle Branch Block Mechanical Derangement in Patients With Dilated Cardiomyopathy. Circulation: Cardiovascular Imaging, 2010, 3, 482-490.	2.6	46
28	Probing the intravascular and interstitial compartments of remodeled myocardium in heart failure patients with preserved and reduced ejection fraction: a CMR study. BMC Medical Imaging, 2019, 19, 1.	2.7	46
29	Measurement of myocardial amyloid deposition in systemic amyloidosis: insights from cardiovascular magnetic resonance imaging. Journal of Internal Medicine, 2015, 277, 605-614.	6.0	44
30	Usefulness of Delayed Enhancement by Magnetic Resonance Imaging in Hypertrophic Cardiomyopathy as a Marker of Disease and Its Severity. American Journal of Cardiology, 2010, 105, 392-397.	1.6	42
31	Geometric Assessment of Asymmetric Septal Hypertrophic Cardiomyopathy by CMR. JACC: Cardiovascular Imaging, 2012, 5, 702-711.	5.3	41
32	Gated SPECT evaluation of left ventricular function using a CZT camera and a fast low-dose clinical protocol: comparison to cardiac magnetic resonance imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2013, 40, 1869-1875.	6.4	41
33	Valvular heart disease: what does cardiovascular MRI add?. European Radiology, 2008, 18, 197-208.	4.5	40
34	Clinical Risk Prediction in Patients With Left Ventricular MyocardialÂNoncompaction. Journal of the American College of Cardiology, 2021, 78, 643-662.	2.8	40
35	Vitamin E Supplementation Reduces Plasma Vascular Cell Adhesion Molecule-1 and von Willebrand Factor Levels and Increases Nitric Oxide Concentrations in Hypercholesterolemic Patients. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 2940-2945.	3.6	39
36	CMR-Verified Interstitial Myocardial Fibrosis as a Marker of Subclinical Cardiac Involvement in LMNA Mutation Carriers. JACC: Cardiovascular Imaging, 2013, 6, 124-126.	5.3	38

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37	Prognostic value of dipyridamole stress cardiac magnetic resonance in patients with known or suspected coronary artery disease: a mid-term follow-up study. European Radiology, 2016, 26, 2155-2165.	4.5	38
38	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
39	Brachial Artery Flow-Mediated Dilation and Myocardial Perfusion in Patients With Cardiac Syndrome X. American Journal of Cardiology, 2005, 95, 1478-1480.	1.6	31
40	Post myocardial infarction of the left ventricle: the course ahead seen by cardiac MRI. Cardiovascular Diagnosis and Therapy, 2012, 2, 113-27.	1.7	29
41	Clinical comparison of sub-mm high-resolution non-contrast coronary CMR angiography against coronary CT angiography in patients with low-intermediate risk of coronary artery disease: a single center trial. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 57.	3.3	28
42	Determination of Regional Ejection Fraction in Patients with Myocardial Infarction by Using Merged Late Gadolinium Enhancement and Cine MR: Feasibility Study. Radiology, 2009, 250, 50-60.	7.3	27
43	Effect of Infarct Severity on Regional and Global Left Ventricular Remodeling in Patients with Successfully Reperfused ST Segment Elevation Myocardial Infarction. Radiology, 2015, 274, 93-102.	7.3	27
44	Clinical recommendations of cardiac magnetic resonance, Part I. Journal of Cardiovascular Medicine, 2017, 18, 197-208.	1.5	26
45	Double-chambered left ventricle in an asymptomatic adult patient. European Heart Journal Cardiovascular Imaging, 2012, 13, E1-E3.	1.2	25
46	Assessment of Early Post-Infarction Pericardial Injury by CMR. JACC: Cardiovascular Imaging, 2013, 6, 411-413.	5.3	24
47	Impact of bileaflet mitral valve prolapse on quantification of mitral regurgitation with cardiac magnetic resonance: a single-center study. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 56.	3.3	24
48	Myocardial signal intensity decay after gadolinium injection: a fast and effective method for the diagnosis of cardiac amyloidosis. International Journal of Cardiovascular Imaging, 2014, 30, 1105-1115.	1.5	23
49	Multi-Modality Imaging in Dilated Cardiomyopathy: With a Focus on the Role of Cardiac Magnetic Resonance. Frontiers in Cardiovascular Medicine, 2020, 7, 97.	2.4	23
50	Regional heterogeneity in cardiac sympathetic innervation in acute myocardial infarction: relationship with myocardial oedema on magnetic resonance. European Journal of Nuclear Medicine and Molecular Imaging, 2014, 41, 1692-1694.	6.4	22
51	Magnetic Resonance Assessment of Prevalence and Correlates of Right Ventricular Abnormalities in Isolated Left Ventricular Noncompaction. American Journal of Cardiology, 2014, 113, 142-146.	1.6	22
52	Clinical recommendations of cardiac magnetic resonance, Part II. Journal of Cardiovascular Medicine, 2017, 18, 209-222.	1.5	22
53	Isotropic 3D Cartesian single breathâ€hold CINE MRI with multiâ€bin patchâ€based lowâ€rank reconstruction. Magnetic Resonance in Medicine, 2020, 84, 2018-2033.	3.0	20
54	Prodromal angina is associated with myocardial salvage in acute ST-segment elevation myocardial infarction. European Heart Journal Cardiovascular Imaging, 2013, 14, 1041-1048.	1.2	19

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55	Deep Learning to Automate Reference-Free Image Quality Assessment of Whole-Heart MR Images. Radiology: Artificial Intelligence, 2020, 2, e190123.	5.8	18
56	Current artefacts in cardiac and chest magnetic resonance imaging: tips and tricks. British Journal of Radiology, 2016, 89, 20150987.	2.2	17
57	Relationship between CMR-derived parameters of ischemia/reperfusion injury and the timing of CMR after reperfused ST-segment elevation myocardial infarction. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 50.	3.3	16
58	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
59	The role of cardiovascular magnetic resonance in the diagnosis and management of cardiomyopathies. Journal of Cardiovascular Medicine, 2008, 9, 435-449.	1.5	13
60	CarDiac MagnEtic Resonance for Primary Prevention Implantable CardioVerter DebrillAtor ThErapy international registry: Design and rationale of the DERIVATE study. International Journal of Cardiology, 2018, 261, 223-227.	1.7	13
61	Fully selfâ€gated freeâ€running 3D Cartesian cardiac CINE with isotropic wholeâ€heart coverage in less than 2 min. NMR in Biomedicine, 2021, 34, e4409.	2.8	13
62	Prolonged, low dose Î±-tocopherol therapy counteracts intercellular cell adhesion molecule-1 activation. Clinica Chimica Acta, 2002, 320, 5-9.	1.1	12
63	Lipomatous metaplasia in ischemic cardiomyopathy: Current knowledge and clinical perspective. International Journal of Cardiology, 2011, 146, 120-122.	1.7	12
64	Cardiovascular involvement in Erdheimâ€“Chester disease. International Journal of Cardiology, 2012, 154, e24-e26.	1.7	12
65	Influence of intravenous fentanyl compared with morphine on ticagrelor absorption and platelet inhibition in patients with ST-segment elevation myocardial infarction undergoing primary percutaneous coronary intervention: rationale and design of the PERSEUS randomized trial. European Heart Journal - Cardiovascular Pharmacotherapy, 2019, 5, 158-163.	3.0	11
66	The alcohol-induced cardiomyopathy: A cardiovascular magnetic resonance characterization. International Journal of Cardiology, 2021, 331, 131-137.	1.7	10
67	High-resolution non-contrast free-breathing coronary cardiovascularÃ‚Âmagnetic resonance angiography for detection of coronary artery disease: validation against invasive coronary angiography. Journal of Cardiovascular Magnetic Resonance, 2022, 24, 26.	3.3	10
68	Electrocardiographic Q-Wave â€œRemodelingâ€•in Reperfused ST-Segment Elevation Myocardial Infarction. JACC: Cardiovascular Imaging, 2012, 5, 1003-1013.	5.3	9
69	Criteria for recommendation, expert consensus, and appropriateness criteria papers: update from the European Association of Cardiovascular Imaging Scientific Documents Committee. European Heart Journal Cardiovascular Imaging, 2018, 19, 835-837.	1.2	9
70	Effects of Fentanyl Versus Morphine on Ticagrelor-Induced Platelet Inhibition in Patients With ST-Segment Elevation Myocardial Infarction. Circulation, 2020, 142, 2479-2481.	1.6	9
71	The relationship between telomere length and putative markers of vascular ageing: A systematic review and meta-analysis. Mechanisms of Ageing and Development, 2022, 201, 111604.	4.6	9
72	Modified cine inversion recovery pulse sequence for the quantification of myocardial T1 and gadolinium partition coefficient. Journal of Magnetic Resonance Imaging, 2013, 37, 109-118.	3.4	8

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73	Magnetic Resonance Imaging Correlates of Left Bundle Branch Disease in Patients With Nonischemic Cardiomyopathy. American Journal of Cardiology, 2018, 121, 370-376.	1.6	8
74	Golden angle dualâ€inversion recovery acquisition coupled with a flexible timeâ€resolved sparse reconstruction facilitates sequence timing in highâ€resolution coronary vessel wall <scp>MRI</scp> at 3â€‰T. Magnetic Resonance in Medicine, 2017, 77, 961-969.	3.0	7
75	Is heart failure with preserved ejection fraction a â€˜dementiaâ€™ of the heart?. Heart Failure Reviews, 2022, 27, 587-594.	3.9	7
76	Left Ventricular Remodeling in Degenerative Aortic Valve Stenosis. Current Problems in Cardiology, 2021, 46, 100801.	2.4	7
77	Assessment of Right-Sided Heart Failure in Patients with Dilated Cardiomyopathy using Magnetic Resonance Relaxometry of the Liver. American Journal of Cardiology, 2021, 149, 103-111.	1.6	7
78	Left ventricular remodelling in mitral valve prolapse patients: implications of apical papillary muscle insertion. European Heart Journal Cardiovascular Imaging, 2021, 22, 1119-1128.	1.2	7
79	Papillary Muscle Infarction After Cardiopulmonary Resuscitation. Circulation, 2007, 116, e308-9.	1.6	6
80	Helical form of hypertrophic cardiomyopathy: a new entity?. European Heart Journal, 2008, 29, 706-706.	2.2	6
81	Fibrosis and Mortality in Patients With Dilated Cardiomyopathy. JAMA - Journal of the American Medical Association, 2013, 309, 2547.	7.4	6
82	Accelerated and highâ€resolution cardiac <scp>T</scp>₂ mapping through peripheral kâ€space sharing. Magnetic Resonance in Medicine, 2019, 81, 220-233.	3.0	6
83	Intrapericardial paraganglioma: The role of integrated advanced multi-modality cardiac imaging for the assessment and management of rare primary cardiac tumors. Cardiology Journal, 2017, 24, 447-449.	1.2	6
84	Magnetic resonance relaxometry of the liver - a new imaging biomarker to assess right heart failure in pulmonary hypertension. Journal of Heart and Lung Transplantation, 2022, 41, 86-94.	0.6	5
85	Simultaneous multislice steadyâ€state free precession myocardial perfusion with full left ventricular coverage and high resolution at 1.5 T. Magnetic Resonance in Medicine, 2022, 88, 663-675.	3.0	5
86	Rare Presentation of Asymptomatic Pericardial Effusion. Circulation, 2014, 130, e15-7.	1.6	4
87	Impact of total ischemic time on manual thrombus aspiration benefit during primary percutaneous coronary intervention. American Heart Journal, 2018, 204, 34-42.	2.7	4
88	3D whole-heart grey-blood late gadolinium enhancement cardiovascular magnetic resonance imaging. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 62.	3.3	4
89	Efficient non-contrast enhanced 3D Cartesian cardiovascular magnetic resonance angiography of the thoracic aorta in 3Âmin. Journal of Cardiovascular Magnetic Resonance, 2022, 24, 5.	3.3	4
90	Response to Letters Regarding Article, â€œMyocardial Fibrosis as a Key Determinant of Left Ventricular Remodeling in Idiopathic Dilated Cardiomyopathy: A Contrast-Enhanced Cardiovascular Magnetic Studyâ€• Circulation: Cardiovascular Imaging, 2013, 6, e79.	2.6	3

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91	Leiomyosarcoma of the inferior vena cava in a patient with Budd-Chiari syndrome. Revista Portuguesa De Cardiologia, 2014, 33, 807-809.	0.5	3
92	CMR-Based Characterization of CardiacÂAmyloidosis. JACC: Cardiovascular Imaging, 2014, 7, 1067-1068.	5.3	3
93	Calcified apical cardiomyopathy. Journal of Cardiovascular Medicine, 2015, 16, S79-S80.	1.5	3
94	Negative risk markers for improving prediction of heart failure: Risk stratification implementation or simply the other side of existing risk scores?. International Journal of Cardiology, 2017, 249, 328-329.	1.7	3
95	Head-to-head comparison of multiple cardiovascular magnetic resonance techniques for the detection and quantification of intramyocardial haemorrhage in patients with ST-elevation myocardial infarction. European Radiology, 2021, 31, 1245-1256.	4.5	3
96	Noninvasive assessment of congestive hepatopathy in patients with constrictive pericardial physiology using MR relaxometry. International Journal of Cardiology, 2021, 338, 265-273.	1.7	3
97	Discrete subaortic stenosis in elderly woman. European Journal of Echocardiography, 2006, 9, 63-4.	2.3	2
98	Microvascular obstruction complicating acute right ventricular myocardial infarction. Journal of Cardiovascular Medicine, 2015, 16, S12-S14.	1.5	2
99	Impact of pericardial injury on inflammatory biomarkers early post myocardial infarction. International Journal of Cardiology, 2015, 186, 139-140.	1.7	2
100	Double-chambered right ventricle. European Heart Journal, 2007, 28, 2237-2237.	2.2	1
101	Comprehensive cardiovascular magnetic resonance for monitoring the response to therapy in pericardial tuberculosis. European Heart Journal Cardiovascular Imaging, 2014, 15, 522-522.	1.2	1
102	Letter by Barison et al Regarding Article, â€œCardiac Magnetic Resonance Postcontrast T1 Time Is Associated With Outcome in Patients With Heart Failure and Preserved Ejection Fractionâ€• Circulation: Cardiovascular Imaging, 2014, 7, 414-414.	2.6	1
103	Coronary spasm-induced recurrent ventricular fibrillation. Coronary Artery Disease, 2017, 28, 268-271.	0.7	1
104	A concealed carcinoid cardiac metastasis uncovered by comprehensive cardiovascular magnetic resonance-based tissue characterization: a case report. European Heart Journal - Case Reports, 2020, 4, 1-5.	0.6	1
105	Left atrial adaptation in ischemic heart disease: insights from a cardiovascular magnetic resonance study. International Journal of Cardiovascular Imaging, 2022, , 1.	1.5	1
106	Myocardial Extracellular Volume Measurement by Cardiac Magnetic Resonance. JACC: Cardiovascular Imaging, 2014, 7, 106-107.	5.3	0
107	Impact of active smoking on myocardial infarction severity in reperfused ST-segment elevation myocardial infarction patients. The smoker's paradox revisited by CMR. Journal of Cardiovascular Magnetic Resonance, 2015, 17, Q62.	3.3	0
108	Primetime for clinical and research application of intra-cardiac 4D-flow CMR?. International Journal of Cardiology, 2017, 249, 500-501.	1.7	0

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109	Myocardial Blood Flow as a Holistic Metric for Predicting Remodeling andÂClinical Outcomes After a MyocardialÂInfarction?. JACC: Cardiovascular Imaging, 2019, 12, 1794-1796.	5.3	0
110	Automatic Detection of Extra-Cardiac Findings in Cardiovascular Magnetic Resonance. Lecture Notes in Computer Science, 2021, , 98-107.	1.3	0
111	Acute chest pain with ST-segment elevation in lead V1â€“V3: when you hear hoofbeats, also look for zebras. Clinical Research in Cardiology, 2021, 110, 1516-1522.	3.3	0
112	Editorial for â€œInflammation in Remote Myocardium and Left Ventricular Remodeling After Acute Myocardial Infarction: A Pilot Study Using <scp>T2</scp> Mappingâ€• Journal of Magnetic Resonance Imaging, 2022, 55, 565-566.	3.4	0
113	Quantification of balanced SSFP myocardial perfusion imaging at 1.5 T: Impact of the reference image. Magnetic Resonance in Medicine, 2022, 87, 702-717.	3.0	0
114	Magnetic resonance imaging: Role in diagnosis and risk stratification. , 2012, , 93-103.		0
115	From the Epicardial Vessels toÂtheÂMicrocirculation. JACC: Cardiovascular Imaging, 2021, 14, 2334-2336.	5.3	0