Marcello Chinali

List of Publications by Citations

80 papers	2,915 citations	28 h-index	53 g-index
95 ext. papers	3,251 ext. citations	4 avg, IF	4.44 L-index

#	Paper	IF	Citations
80	Impact of obesity on cardiac geometry and function in a population of adolescents: the Strong Heart Study. *Journal of the American College of Cardiology*, **2006**, 47, 2267-73	15.1	199
79	Left ventricular mass predicts heart failure not related to previous myocardial infarction: the Cardiovascular Health Study. *European Heart Journal*, **2008**, 29, 741-7	9.5	173
78	Normalization for body size and population-attributable risk of left ventricular hypertrophy: the Strong Heart Study. *American Journal of Hypertension*, **2005**, 18, 191-6	2.3	167
77	Evaluation of concentric left ventricular geometry in humans: evidence for age-related systematic underestimation. *Hypertension*, **2005**, 45, 64-8	8.5	153
76	Comparison of cardiac structure and function in American Indians with and without the metabolic syndrome (the Strong Heart Study). *American Journal of Cardiology*, **2004**, 93, 40-4	3	118
75	Cardiac mechanics in mild hypertensive heart disease: a speckle-strain imaging study. *Circulation: Cardiovascular Imaging*, **2009**, 2, 382-90	3.9	114
74	Prognostic impact of metabolic syndrome by different definitions in a population with high prevalence of obesity and diabetes: the Strong Heart Study. *Diabetes Care*, **2007**, 30, 1851-6	14.6	107
73	Risk factors for arterial hypertension in adults with initial optimal blood pressure: the Strong Heart Study. *Hypertension*, **2006**, 47, 162-7	8.5	103
72	Diabetes and incident heart failure in hypertensive and normotensive participants of the Strong Heart Study. *Journal of Hypertension*, **2010**, 28, 353-60	1.9	91
71	Cardiovascular and metabolic predictors of progression of prehypertension into hypertension: the Strong Heart Study. *Hypertension*, **2009**, 54, 974-80	8.5	84
70	Left ventricular concentric geometry is associated with impaired relaxation in hypertension: the HyperGEN study. *European Heart Journal*, **2005**, 26, 1039-45	9.5	83
69	Left atrial volume and geometry in healthy aging: the Cardiovascular Health Study. *Circulation: Cardiovascular Imaging*, **2009**, 2, 282-9	3.9	81
68	Does information on systolic and diastolic function improve prediction of a cardiovascular event by left ventricular hypertrophy in arterial hypertension?. *Hypertension*, **2010**, 56, 99-104	8.5	78
67	Change in cardiac geometry and function in CKD children during strict BP control: a randomized study. *Clinical Journal of the American Society of Nephrology: CJASN*, **2013**, 8, 203-10	6.9	75
66	30-year trends in heart failure in patients hospitalized with acute myocardial infarction. *American Journal of Cardiology*, **2011**, 107, 353-9	3	68
65	Cardiac markers of pre-clinical disease in adolescents with the metabolic syndrome: the strong heart study. *Journal of the American College of Cardiology*, **2008**, 52, 932-8	15.1	66
64	Association of blood pressure with blood viscosity in american indians: the Strong Heart Study. *Hypertension*, **2005**, 45, 625-30	8.5	65

63	Sex differences in obesity-related changes in left ventricular morphology: the Strong Heart Study. *Journal of Hypertension*, **2011**, 29, 1431-8	1.9	61
62	Insufficient control of blood pressure and incident diabetes. *Diabetes Care*, **2009**, 32, 845-50	14.6	61
61	Reduced hemodynamic load and cardiac hypotrophy in patients with anorexia nervosa. *American Journal of Clinical Nutrition*, **2003**, 77, 308-12	7	60
60	Left atrial systolic force and cardiovascular outcome. The Strong Heart Study. *American Journal of Hypertension*, **2005**, 18, 1570-6; discussion 1577	2.3	59
59	Reduced systolic myocardial function in children with chronic renal insufficiency. *Journal of the American Society of Nephrology: JASN*, **2007**, 18, 593-8	12.7	58
58	Left Ventricular Mass Indexing in Infants, Children, and Adolescents: A Simplified Approach for the Identification of Left Ventricular Hypertrophy in Clinical Practice. *Journal of Pediatrics*, **2016**, 170, 193-8	3.6	46
57	Metabolic syndrome and left ventricular hypertrophy in the prediction of cardiovascular events: the Strong Heart Study. *Nutrition, Metabolism and Cardiovascular Diseases*, **2009**, 19, 98-104	4.5	41
56	Effects of nutraceuticals on prevalence of metabolic syndrome and on calculated Framingham Risk Score in individuals with dyslipidemia. *Journal of Hypertension*, **2010**, 28, 1482-7	1.9	38
55	Association of suboptimal blood pressure control with body size and metabolic abnormalities. *Journal of Hypertension*, **2007**, 25, 2296-300	1.9	37
54	Cardiac geometry and function in diabetic or prediabetic adolescents and young adults: the Strong Heart Study. *Diabetes Care*, **2011**, 34, 2300-5	14.6	35
53	Body composition and fat distribution influence systemic hemodynamics in the absence of obesity: the HyperGEN Study. *American Journal of Clinical Nutrition*, **2005**, 81, 757-61	7	31
52	Excessive increase in left ventricular mass identifies hypertensive subjects with clustered geometric and functional abnormalities. *Journal of Hypertension*, **2007**, 25, 1073-8	1.9	27
51	Myocardial mechano-energetic efficiency in hypertensive adults. *Journal of Hypertension*, **2009**, 27, 650-5	1.9	25
50	Left ventricular mass and incident hypertension in individuals with initial optimal blood pressure: the Strong Heart Study. *Journal of Hypertension*, **2008**, 26, 1868-74	1.9	25
49	Early left ventricular abnormality/dysfunction in obese children affected by NAFLD. *Nutrition, Metabolism and Cardiovascular Diseases*, **2014**, 24, 72-4	4.5	24
48	Independent association of coronary flow reserve with left ventricular relaxation and filling pressure in arterial hypertension. *American Journal of Hypertension*, **2008**, 21, 1040-6	2.3	24
47	Estimate of white-coat effect and arterial stiffness. *Journal of Hypertension*, **2007**, 25, 827-31	1.9	24
46	Advanced Parameters of Cardiac Mechanics in Children with CKD: The 4C Study. *Clinical Journal of the American Society of Nephrology: CJASN*, **2015**, 10, 1357-63	6.9	23

45	Left atrial systolic force and cardiac markers of preclinical disease in hypertensive patients: the Hypertension Genetic Epidemiology Network (HyperGEN) Study. *American Journal of Hypertension*, **2005**, 18, 899-905	2.3	23
44	Aortic valve sclerosis is associated with preclinical cardiovascular disease in hypertensive adults: the Hypertension Genetic Epidemiology Network study. *Journal of Hypertension*, **2005**, 23, 867-73	1.9	23
43	Analysis of midwall shortening reveals high prevalence of left ventricular myocardial dysfunction in patients with diabetes mellitus: the DYDA study. *European Journal of Preventive Cardiology*, **2012**, 19, 935-43	3.9	22
42	Increased left ventricular mass in pre-liver transplantation cirrhotic patients. *Journal of Cardiovascular Medicine*, **2008**, 9, 142-6	1.9	22
41	Effect of canrenone on left ventricular mechanics in patients with mild systolic heart failure and metabolic syndrome: the AREA-in-CHF study. *Nutrition, Metabolism and Cardiovascular Diseases*, **2011**, 21, 783-91	4.5	19
40	Mitral E wave deceleration time to peak E velocity ratio and cardiovascular outcome in hypertensive patients during antihypertensive treatment (from the LIFE echo-substudy). *American Journal of Cardiology*, **2009**, 104, 1098-104	3	17
39	Cardiac dysfunction in children and young adults with heart transplantation: A comprehensive echocardiography study. *Journal of Heart and Lung Transplantation*, **2017**, 36, 559-566	5.8	15
38	Does cardiovascular phenotype explain the association between diabetes and incident heart failure? The Strong Heart Study. *Nutrition, Metabolism and Cardiovascular Diseases*, **2013**, 23, 285-91	4.5	15
37	Inappropriately high left ventricular mass in patients with type 2 diabetes mellitus and no overt cardiac disease. The DYDA study. *Journal of Hypertension*, **2011**, 29, 1994-2003	1.9	15
36	Epidemiology of decompensated heart failure in a single community in the northeastern United States. *American Journal of Cardiology*, **2009**, 104, 377-82	3	15
35	Impaired Systolic and Diastolic Left Ventricular Function in Children with Chronic Kidney Disease - Results from the 4C Study. *Scientific Reports*, **2019**, 9, 11462	4.9	13
34	Left atrial systolic force in hypertensive patients with left ventricular hypertrophy: the LIFE study. *Journal of Hypertension*, **2008**, 26, 1472-6	1.9	13
33	The Impact of Specific Viruses on Clinical Outcome in Children Presenting with Acute Heart Failure. *International Journal of Molecular Sciences*, **2016**, 17, 486	6.3	13
32	Takotsubo cardiomyopathy in a young adult with transplanted heart: what happened to denervation?. *ESC Heart Failure*, **2018**, 5, 197-200	3.7	11
31	Improving the role of echocardiography in studying the right ventricle of repaired tetralogy of Fallot patients: comparison with cardiac magnetic resonance. *International Journal of Cardiovascular Imaging*, **2018**, 34, 399-406	2.5	11
30	Myocardial texture in hypertrophic cardiomyopathy. *Journal of the American Society of Echocardiography*, **2007**, 20, 1253-9	5.8	11
29	Refining patterns of left ventricular hypertrophy using cardiac MRI: "brother, can you spare a paradigm?". *Circulation: Cardiovascular Imaging*, **2010**, 3, 129-31	3.9	10
28	Risk factors and comorbidities in a community-wide sample of patients hospitalized with acute systolic or diastolic heart failure: the Worcester Heart Failure Study. *Coronary Artery Disease*, **2010**, 21, 137-43	1.4	10

27	Echocardiographic two-dimensional speckle tracking identifies acute regional myocardial edema and sub-acute fibrosis in pediatric focal myocarditis with normal ejection fraction: comparison with cardiac magnetic resonance. *Scientific Reports*, **2020**, 10, 11321	4.9	10
26	Ventricular mechanics in patients with aortic valve disease: longitudinal, radial, and circumferential components. *Cardiology in the Young*, **2014**, 24, 105-12	1	9
25	Patient-specific requirements and clinical validation of MRI-based pressure mapping: A two-center study in patients with aortic coarctation. *Journal of Magnetic Resonance Imaging*, **2019**, 49, 81-89	5.6	9
24	Left pulmonary artery in 22q11.2 deletion syndrome. Echocardiographic evaluation in patients without cardiac defects and role of Tbx1 in mice. *PLoS ONE*, **2019**, 14, e0211170	3.7	8
23	MRI as a tool for non-invasive vascular profiling: a pilot study in patients with aortic coarctation. *Expert Review of Medical Devices*, **2016**, 13, 103-12	3.5	7
22	Aortic root dimension and hypertension: a chicken-egg dilemma. *American Journal of Hypertension*, **2008**, 21, 489-90	2.3	7
21	Depth variation bias and interaction with gain setting in ultrasonic tissue characterization by integrated backscatter analysis. *Journal of the American Society of Echocardiography*, **2003**, 16, 54-60	5.8	7
20	Left atrial systolic force: comparison between two methods for the noninvasive assessment of left atrial systolic function. *Journal of Cardiovascular Medicine*, **2008**, 9, 601-7	1.9	6
19	Results of Late Gadolinium Enhancement in Children Affected by Dilated Cardiomyopathy. *Frontiers in Pediatrics*, **2017**, 5, 13	3.4	5
18	Inappropriate left ventricular mass in children and young adults with chronic renal insufficiency. *Pediatric Nephrology*, **2009**, 24, 2015-22	3.2	5
17	Propagation of Myocardial Fibre Architecture Uncertainty on Electromechanical Model Parameter Estimation: A Case Study. *Lecture Notes in Computer Science*, **2015**, 448-456	0.9	5
16	Transient global ventricular dysfunction in an adolescent affected by pancreatic adenocarcinoma. *BMC Pediatrics*, **2016**, 16, 99	2.6	5
15	Impact of complex congenital heart disease on the prevalence of arterial hypertension after aortic coarctation repair. *European Journal of Cardio-thoracic Surgery*, **2019**, 55, 559-563	3	4
14	Partial normalization of components of metabolic syndrome does not influence prevalent echocardiographic abnormalities: the HyperGEN study. *Nutrition, Metabolism and Cardiovascular Diseases*, **2013**, 23, 38-45	4.5	3
13	High pulse pressure as a marker of preclinical cardiovascular disease. *Future Cardiology*, **2006**, 2, 165-8	1.3	3
12	Evidence of impaired longitudinal strain in pre-Fontan palliation in functional single left ventricle. *Journal of Cardiovascular Medicine*, **2019**, 20, 833-836	1.9	3
11	Predictors of survival in paediatric mitral valve replacement. *European Journal of Cardio-thoracic Surgery*, **2021**, 60, 361-366	3	3
10	Outcome for Conservative Surgery for the Correction of Severe Mitral Valve Regurgitation in Children: A Single-Center Experience. *Pediatric Cardiology*, **2019**, 40, 1663-1669	2.1	2

9	Cardiac Abnormalities in Children with Autosomal Recessive Polycystic Kidney Disease. *CardioRenal Medicine*, **2019**, 9, 180-189	2.8	2
8	Preclinical Systolic Dysfunction in Patients with Stage 3 Chronic Kidney Disease. *High Blood Pressure and Cardiovascular Prevention*, **2010**, 17, 59-64	2.9	2
7	The issue of body size between methods and substance. *Journal of Hypertension*, **2008**, 26, 178-81	1.9	2
6	Congenital pseudoaneurysm of the mitral-aortic intervalvular fibrosa with a 5 yearsSfollow up. *International Journal of Cardiovascular Imaging*, **2019**, 35, 437-438	2.5	1
5	Author response to: Does autonomic re-innervation cause Takotsubo syndrome in a transplanted heart?. *ESC Heart Failure*, **2018**, 5, 1195-1196	3.7	1
4	The unexpected in grown-up congenital heart disease: Takotsubo syndrome. *Journal of Thoracic and Cardiovascular Surgery*, **2017**, 154, e107-e109	1.5	0
3	Development of systolic dysfunction unrelated to myocardial infarction in treated hypertensive patients with left ventricular hypertrophy. The LIFE Study. *Exploration of Medicine*,160-172	1.1	0
2	Infundibular ventricular septal defect: a dangerous SholeSfor the aortic valve. *Journal of Cardiovascular Medicine*, **2021**, 22, 63-65	1.9	
1	Longitudinal Analysis Using Personalised 3D Cardiac Models with Population-Based Priors: Application to Paediatric Cardiomyopathies. *Lecture Notes in Computer Science*, **2017**, 350-358	0.9	