

Derliz Mereles

List of Publications by Year in descending order

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99
papers

4,675
citations

136950

32
h-index

98798

67
g-index

102
all docs

102
docs citations

102
times ranked

6653
citing authors

#	ARTICLE	IF	CITATIONS
1	Exercise and Respiratory Training Improve Exercise Capacity and Quality of Life in Patients With Severe Chronic Pulmonary Hypertension. <i>Circulation</i> , 2006, 114, 1482-1489.	1.6	606
2	Atlas of the clinical genetics of human dilated cardiomyopathy. <i>European Heart Journal</i> , 2015, 36, 1123-1135.	2.2	456
3	Epigallocatechin-3-gallate (EGCG) for Clinical Trials: More Pitfalls than Promises?. <i>International Journal of Molecular Sciences</i> , 2011, 12, 5592-5603.	4.1	266
4	Longitudinal Left Ventricular Function for Prediction of Survival in Systemic Light-Chain Amyloidosis. <i>Journal of the American College of Cardiology</i> , 2012, 60, 1067-1076.	2.8	253
5	Abnormal Pulmonary Artery Pressure Response in Asymptomatic Carriers of Primary Pulmonary Hypertension Gene. <i>Circulation</i> , 2000, 102, 1145-1150.	1.6	235
6	Alterations in cardiac DNA methylation in human dilated cardiomyopathy. <i>EMBO Molecular Medicine</i> , 2013, 5, 413-429.	6.9	210
7	Stress Doppler echocardiography for identification of susceptibility to high altitude pulmonary edema. <i>Journal of the American College of Cardiology</i> , 2000, 35, 980-987.	2.8	206
8	Stress Doppler Echocardiography in Relatives of Patients With Idiopathic and Familial Pulmonary Arterial Hypertension. <i>Circulation</i> , 2009, 119, 1747-1757.	1.6	205
9	Reliability of Noninvasive Assessment of Systolic Pulmonary Artery Pressure by Doppler Echocardiography Compared to Right Heart Catheterization: Analysis in a Large Patient Population. <i>Journal of the American Heart Association</i> , 2014, 3, .	3.7	147
10	The Symptom Complex of Familial Sinus Node Dysfunction and Myocardial Noncompaction Is Associated With Mutations in the HCN4 Channel. <i>Journal of the American College of Cardiology</i> , 2014, 64, 757-767.	2.8	128
11	Green tea halts progression of cardiac transthyretin amyloidosis: an observational report. <i>Clinical Research in Cardiology</i> , 2012, 101, 805-813.	3.3	121
12	Identification of individuals susceptible to high-altitude pulmonary oedema at low altitude. <i>European Respiratory Journal</i> , 2005, 25, 545-551.	6.7	104
13	Magnetic Resonance Imaging of Uneven Pulmonary Perfusion in Hypoxia in Humans. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006, 174, 1132-1138.	5.6	94
14	Biomarker Changes after Strenuous Exercise Can Mimic Pulmonary Embolism and Cardiac Injury—A Metaanalysis of 45 Studies. <i>Clinical Chemistry</i> , 2015, 61, 1246-1255.	3.2	81
15	Effects of the main green tea polyphenol epigallocatechin-3-gallate on cardiac involvement in patients with AL amyloidosis. <i>Clinical Research in Cardiology</i> , 2010, 99, 483-490.	3.3	78
16	One year clinical efficacy and reverse cardiac remodelling in patients with severe mitral regurgitation and reduced ejection fraction after MitraClip [®] implantation. <i>European Journal of Heart Failure</i> , 2013, 15, 919-927.	7.1	71
17	Value of MR phase-contrast flow measurements for functional assessment of pulmonary arterial hypertension. <i>European Radiology</i> , 2007, 17, 1892-1897.	4.5	69
18	Quantitative 3D pulmonary MR-perfusion in patients with pulmonary arterial hypertension: Correlation with invasive pressure measurements. <i>European Journal of Radiology</i> , 2007, 61, 251-255.	2.6	66

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19	Definition, clinical classification and initial diagnosis of pulmonary hypertension: Updated recommendations from the Cologne Consensus Conference 2018. <i>International Journal of Cardiology</i> , 2018, 272, 11-19.	1.7	66
20	670nm Laser Light and EGCG Complementarily Reduce Amyloid- β^2 Aggregates in Human Neuroblastoma Cells: Basis for Treatment of Alzheimer's Disease?. <i>Photomedicine and Laser Surgery</i> , 2012, 30, 54-60.	2.0	65
21	Towards Personalized Cardiology: Multi-Scale Modeling of the Failing Heart. <i>PLoS ONE</i> , 2015, 10, e0134869.	2.5	65
22	Acute Safety and 30-Day Outcome After Percutaneous Edge-to-Edge Repair of Mitral Regurgitation in Very High-Risk Patients. <i>American Journal of Cardiology</i> , 2011, 108, 1478-1482.	1.6	53
23	Left ventricular mechanics assessed by two-dimensional echocardiography and cardiac magnetic resonance imaging: comparison of high-resolution speckle tracking and feature tracking. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 1370-1378.	1.2	52
24	Primary Pulmonary Hypertension in Children May Have a Different Genetic Background Than in Adults. <i>Pediatric Research</i> , 2004, 56, 571-578.	2.3	49
25	Rapid assessment of longitudinal systolic left ventricular function using speckle tracking of the mitral annulus. <i>Clinical Research in Cardiology</i> , 2012, 101, 273-280.	3.3	43
26	Genomic structural variations lead to dysregulation of important coding and non-coding RNA species in dilated cardiomyopathy. <i>EMBO Molecular Medicine</i> , 2018, 10, 107-120.	6.9	43
27	Right Ventricular Systolic Pressure Response During Exercise in Adolescents Born With Atrial or Ventricular Septal Defect. <i>American Journal of Cardiology</i> , 2010, 105, 1610-1616.	1.6	42
28	Assessment of Left Ventricular Volumes with Echocardiography and Cardiac Magnetic Resonance Imaging: Real-Life Evaluation of Standard versus New Semiautomatic Methods. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 1017-1024.	2.8	39
29	Gender-specific reference values for high-sensitivity cardiac troponin T and I in well-phenotyped healthy individuals and validity of high-sensitivity assay designation. <i>Clinical Biochemistry</i> , 2020, 78, 18-24.	1.9	38
30	Quantitative analysis of left ventricular strain using cardiac computed tomography. <i>European Journal of Radiology</i> , 2014, 83, e123-e130.	2.6	37
31	Exaggerated Hypoxic Pulmonary Vasoconstriction Without Susceptibility to High Altitude Pulmonary Edema. <i>High Altitude Medicine and Biology</i> , 2015, 16, 11-17.	0.9	37
32	Classification of diastolic function with phase-contrast cardiac magnetic resonance imaging: validation with echocardiography and age-related reference values. <i>Clinical Research in Cardiology</i> , 2014, 103, 441-450.	3.3	35
33	Prevalence of Intracardiac Thrombi Under Phenprocoumon, Direct Oral Anticoagulants (Dabigatran) Tj ETQq1 1 0.784314 rgBT /Overl... <i>Journal of Cardiology</i> , 2015, 115, 635-640.	1.6	35
34	Primary pulmonary hypertension may be a heterogeneous disease with a second locus on chromosome 2q31. <i>Journal of the American College of Cardiology</i> , 2003, 41, 2237-2244.	2.8	29
35	Strain and strain rate echocardiography for evaluation of right ventricular dysfunction in patients with idiopathic pulmonary arterial hypertension. <i>Clinical Research in Cardiology</i> , 2010, 99, 491-498.	3.3	27
36	Enhanced Hypoxic Pulmonary Vasoconstriction in Families of Adults or Children With Idiopathic Pulmonary Arterial Hypertension. <i>Chest</i> , 2005, 128, 630S-633S.	0.8	25

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37	Dilation of the Aorta Ascendens Forms Part of the Clinical Spectrum of HCN4 Mutations. Journal of the American College of Cardiology, 2016, 67, 2313-2315.	2.8	25
38	Therapy effects of green tea in a patient with systemic light-chain amyloidosis. Clinical Research in Cardiology, 2008, 97, 341-344.	3.3	24
39	Prevalence of asymptomatic mitral valve malformations. Clinical Research in Cardiology, 2009, 98, 305-309.	3.3	22
40	Assessment of global longitudinal strain using standardized myocardial deformation imaging: a modality independent software approach. Clinical Research in Cardiology, 2015, 104, 591-602.	3.3	22
41	Incremental value of cardiac magnetic resonance for the evaluation of cardiac tumors in adults: experience of a high volume tertiary cardiology centre. International Journal of Cardiovascular Imaging, 2017, 33, 879-888.	1.5	22
42	A comprehensive analysis of cardiac valve plane displacement in healthy adults: age-stratified normal values by cardiac magnetic resonance. International Journal of Cardiovascular Imaging, 2017, 33, 721-729.	1.5	20
43	Effects of β -blocker therapy on electrocardiographic and echocardiographic characteristics of left ventricular noncompaction. Clinical Research in Cardiology, 2015, 104, 241-249.	3.3	18
44	Linkage Analysis in a Large Family With Primary Pulmonary Hypertension. Chest, 2002, 121, 54S-56S.	0.8	18
45	Prognostic significance of semiautomatic quantification of left ventricular long axis shortening in systemic light-chain amyloidosis. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2015, 22, 45-53.	3.0	15
46	Large atrial thrombus formation after MitraClip implantation: is anticoagulation mandatory?. Journal of Heart Valve Disease, 2011, 20, 146-8.	0.5	15
47	Non-invasive quantification of right ventricular systolic function by echocardiography: a new semi-automated approach. Clinical Research in Cardiology, 2013, 102, 229-235.	3.3	14
48	Education to a Healthy Lifestyle Improves Symptoms and Cardiovascular Risk Factors - AsuRiesgo Study. Arquivos Brasileiros De Cardiologia, 2015, 104, 347-55.	0.8	14
49	Regional differences in prognostic value of cardiac valve plane displacement in systemic light-chain amyloidosis. Journal of Cardiovascular Magnetic Resonance, 2017, 19, 87.	3.3	12
50	Percutaneous repair of mitral valve regurgitation in patients with severe heart failure: comparison with optimal medical treatment. Acta Cardiologica, 2018, 73, 378-386.	0.9	12
51	Prognostic value of serial cardiac assessment and familial screening in patients with dilated cardiomyopathy. European Journal of Heart Failure, 2003, 5, 55-62.	7.1	11
52	Dobutamine stress cardiac magnetic resonance versus echocardiography for the assessment of outcome in patients with suspected or known coronary artery disease. Are the two imaging modalities comparable?. International Journal of Cardiology, 2014, 171, 153-160.	1.7	11
53	Anterior Aortic Plane Systolic Excursion: A Novel Indicator of Transplant-Free Survival in Systemic Light-Chain Amyloidosis. Journal of the American Society of Echocardiography, 2016, 29, 1188-1196.	2.8	11
54	Temporary oral anticoagulation after MitraClip " a strategy to lower the incidence of post-procedural stroke?. Acta Cardiologica, 2020, 75, 61-67.	0.9	11

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55	Heavy drinkers of <i>Ilex paraguariensis</i> beverages show lower lipid profiles but higher body weight. <i>Phytotherapy Research</i> , 2018, 32, 1030-1038.	5.8	10
56	Isolated Left Ventricular Noncompaction of the Myocardium as a Cause of Embolic Superior Mesenteric Artery Occlusion. <i>Journal of the American Society of Echocardiography</i> , 2005, 18, 693.	2.8	9
57	Effect of Inhaled Iloprost during Off-Medication Time in Patients with Pulmonary Arterial Hypertension. <i>Respiration</i> , 2007, 74, 498-502.	2.6	9
58	Accessory mitral valve as a potential source of cardioembolism. <i>International Journal of Cardiology</i> , 2009, 131, e76-e77.	1.7	9
59	A rare case of reversible constrictive pericarditis with severe pericardial thickening in a patient with adult onset Still's disease. <i>International Journal of Cardiology</i> , 2010, 144, e23-e25.	1.7	9
60	Percutaneous repair of severe mitral valve regurgitation secondary to chordae rupture in octogenarians using MitraClip. <i>Journal of Interventional Cardiology</i> , 2018, 31, 76-82.	1.2	9
61	Initial Experience With the PASCAL Ace Implant System for Treatment of Severe Tricuspid Regurgitation. <i>Circulation: Cardiovascular Interventions</i> , 2021, 14, e010770.	3.9	9
62	Biventricular involvement in transient apical ballooning syndrome. <i>International Journal of Cardiology</i> , 2009, 133, e79-e80.	1.7	8
63	Multiplane two-dimensional strain echocardiography for segmental analysis of right ventricular mechanics. <i>Clinical Research in Cardiology</i> , 2014, 103, 817-824.	3.3	8
64	Unidimensional Longitudinal Strain: A Simple Approach for the Assessment of Longitudinal Myocardial Deformation by Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2018, 31, 733-742.	2.8	8
65	Functional improvement following direct interventional leaflet repair of severe tricuspid regurgitation. <i>ESC Heart Failure</i> , 2022, 9, 866-873.	3.1	8
66	Contribution of stress echocardiography to clinical decision making in unselected ambulatory patients with known or suspected coronary artery disease. <i>International Journal of Cardiology</i> , 2002, 84, 179-185.	1.7	7
67	Left atrial wall dissection, mitral valve prosthesis dehiscence and pericardial hematoma: complex findings after successful cardiac resuscitation. <i>Clinical Research in Cardiology</i> , 2010, 99, 57-58.	3.3	7
68	Pathophysiological background and prognostic implication of systolic aortic root motion in non-ischemic dilated cardiomyopathy. <i>Scientific Reports</i> , 2019, 9, 3866.	3.3	7
69	Diagnostic and prognostic value of a novel cardiac calcification score for coronary artery disease by transthoracic echocardiography. <i>International Journal of Cardiology</i> , 2015, 190, 332-334.	1.7	6
70	Personalized Computer Simulation of Diastolic Function in Heart Failure. <i>Genomics, Proteomics and Bioinformatics</i> , 2016, 14, 244-252.	6.9	6
71	Echocardiographic calcification score in patients with low/intermediate cardiovascular risk. <i>Clinical Research in Cardiology</i> , 2019, 108, 194-202.	3.3	6
72	Heart transplantation in rapidly progressive end-stage heart failure associated with celiac disease. <i>BMJ Case Reports</i> , 2011, 2011, bcr1220103624-bcr1220103624.	0.5	6

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73	Initial experience with percutaneous mitral valve repair in patients with cardiac amyloidosis. <i>European Journal of Clinical Investigation</i> , 2021, 51, e13473.	3.4	6
74	Exaggerated Pectinate Muscles Mimicking Multiple Left Atrial Appendage Thrombi. <i>European Journal of Echocardiography</i> , 2001, 2, 131.	2.3	5
75	Left ventricular non-compaction cardiomyopathy mimicking an infiltrative cardiac disease. <i>International Journal of Cardiology</i> , 2011, 147, e41-e43.	1.7	5
76	A Simple, Non-Invasive Score to Predict Paroxysmal Atrial Fibrillation. <i>PLoS ONE</i> , 2016, 11, e0163621.	2.5	5
77	Assessment of Pulmonary Artery Systolic Pressures by Stress Doppler Echocardiography After Bilateral Lung Transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2008, 27, 66-71.	0.6	4
78	From Medical Images to Fast Computational Models of Heart Electromechanics: An Integrated Framework towards Clinical Use. <i>Lecture Notes in Computer Science</i> , 2013, , 249-258.	1.3	4
79	A Stepwise and Practical Approach to Optimizing Echocardiography in Pulmonary Hypertension. <i>Advances in Pulmonary Hypertension</i> , 2006, 5, 30-33.	0.1	4
80	Impact of Homoarginine on Myocardial Function and Remodeling in a Rat Model of Chronic Renal Failure. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2022, 27, 107424842110546.	2.0	4
81	Atrial septal aneurysm mimicking ECG signs of enlarged right atrium. <i>Europace</i> , 2007, 9, 475-476.	1.7	3
82	Prognostic relevance of elevated pulmonary arterial pressure assessed non-invasively: Analysis in a large patient cohort with invasive measurements in near temporal proximity. <i>PLoS ONE</i> , 2018, 13, e0191206.	2.5	3
83	Lariat-like sarcoma infiltration of the left atrium. <i>International Journal of Cardiology</i> , 2007, 116, e51-e52.	1.7	2
84	Cardiac complications in Whipple's disease. <i>European Heart Journal Cardiovascular Imaging</i> , 2008, 9, 426-427.	1.2	2
85	CASE REPORTS: Trepopnea Associated with Paroxysmal Severe Tricuspid Regurgitation Triggered at Left Lateral Decubitus Position. <i>Echocardiography</i> , 2010, 27, E77-E79.	0.9	2
86	Systolic pulmonary artery pressure assessed during routine exercise Doppler echocardiography: insights of a real-world setting in patients with elevated pulmonary pressures. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 1215-1225.	1.5	2
87	Cardiac Myxoma in a Patient With Hypertrophic Cardiomyopathy. <i>JACC: Case Reports</i> , 2020, 2, 378-383.	0.6	2
88	A trapped thrombus in the right ventricle. <i>International Journal of Cardiology</i> , 2009, 133, e60-e61.	1.7	1
89	Non-compaction cardiomyopathy of the left ventricle diagnosed by cardiac magnetic resonance in a 2-generation family. <i>Clinical Research in Cardiology</i> , 2010, 99, 765-768.	3.3	1
90	Severe Right Ventricular Outflow Tract Obstruction Caused by Non-Hodgkin Lymphoma: Complete Regression after One Course of Bendamustine/Rituximab Therapy. <i>Journal of the American Society of Echocardiography</i> , 2011, 24, 818.e1-818.e4.	2.8	1

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91	Pronounced coronary artery calcification: Casual finding in transthoracic echocardiography. International Journal of Cardiology, 2011, 150, e53-e54.	1.7	1
92	Diagnosis of cardiac involvement in systemic amyloidosis by state-of-the-art echocardiography: where are we now?. Expert Opinion on Orphan Drugs, 2016, 4, 639-648.	0.8	1
93	Deep recessus of the muscular interventricular septum documented with echocardiography and magnetic resonance imaging. International Journal of Cardiology, 2007, 120, e30-e31.	1.7	0
94	Unexpected pulsatile intracardiac mass. International Journal of Cardiology, 2009, 135, e52-e54.	1.7	0
95	Successful treatment of cardiac manifestation of eosinophilic leukemia. Clinical Research in Cardiology, 2010, 99, 409-410.	3.3	0
96	Exaggerated apical trabeculations mimicking left ventricular thrombus: a 3D TEE perspective. Clinical Research in Cardiology, 2010, 99, 603-604.	3.3	0
97	Standardized assessment of global longitudinal and circumferential strain - a modality independent software approach. Journal of Cardiovascular Magnetic Resonance, 2015, 17, Q9.	3.3	0
98	Prognostic relevance of the right ventricular myo-mechanical index (RV-MMI) in patients with precapillary pulmonary hypertension. Open Heart, 2018, 5, e000903.	2.3	0
99	Prevalence and relevance of impaired left ventricular function in chronic moderate regurgitation of native aortic valves. Acta Cardiologica, 2020, 75, 613-620.	0.9	0