

Donato Mele

List of Publications by Year in descending order

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109
papers

3,281
citations

159525

30
h-index

168321

53
g-index

125
all docs

125
docs citations

125
times ranked

4139
citing authors

#	ARTICLE	IF	CITATIONS
1	Speckle-Tracking Echocardiography. <i>Journal of Ultrasound in Medicine</i> , 2011, 30, 71-83.	0.8	418
2	Tumor Necrosis Factor- α Receptor 1 Is a Major Predictor of Mortality and New-Onset Heart Failure in Patients With Acute Myocardial Infarction. <i>Circulation</i> , 2005, 111, 863-870.	1.6	185
3	Differences of Myocardial Systolic Deformation and Correlates of Diastolic Function in Competitive Rowers and Young Hypertensives: A Speckle-Tracking Echocardiography Study. <i>Journal of the American Society of Echocardiography</i> , 2010, 23, 1190-1198.	1.2	185
4	A new integrated system for three-dimensional echocardiographic reconstruction: Development and validation for ventricular volume with application in human subjects. <i>Journal of the American College of Cardiology</i> , 1993, 21, 743-753.	1.2	155
5	Proximal Jet Size by Doppler Color Flow Mapping Predicts Severity of Mitral Regurgitation. <i>Circulation</i> , 1995, 91, 746-754.	1.6	120
6	Exercise intolerance in chronic heart failure: mechanisms and therapies. Part I. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2010, 17, 637-642.	3.1	107
7	From Molecular Mechanisms to Clinical Management of Antineoplastic Drug-Induced Cardiovascular Toxicity: A Translational Overview. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 2110-2153.	2.5	96
8	Left intraventricular myocardial deformation dyssynchrony identifies responders to cardiac resynchronization therapy in patients with heart failure. <i>European Heart Journal</i> , 2006, 27, 1070-1078.	1.0	95
9	Myocarditis in COVID-19 patients: current problems. <i>Internal and Emergency Medicine</i> , 2021, 16, 1123-1129.	1.0	78
10	Echocardiographic assessment of left ventricular systolic function: from ejection fraction to torsion. <i>Heart Failure Reviews</i> , 2016, 21, 77-94.	1.7	75
11	Echocardiography in patients with hypertrophic cardiomyopathy: usefulness of old and new techniques in the diagnosis and pathophysiological assessment. <i>Cardiovascular Ultrasound</i> , 2010, 8, 7.	0.5	62
12	Cardiac resynchronization therapy guided by multimodality cardiac imaging. <i>European Journal of Heart Failure</i> , 2016, 18, 1375-1382.	2.9	58
13	Intracardiac Flow Analysis: Techniques and Potential Clinical Applications. <i>Journal of the American Society of Echocardiography</i> , 2019, 32, 319-332.	1.2	56
14	Quantification of tricuspid regurgitation by means of the proximal flow convergence method: A clinical study. <i>American Heart Journal</i> , 1994, 127, 1354-1362.	1.2	53
15	Left ventricular ejection fraction and heart failure: an indissoluble marriage?. <i>European Journal of Heart Failure</i> , 2018, 20, 427-430.	2.9	50
16	Exercise intolerance in chronic heart failure: mechanisms and therapies. Part II. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2010, 17, 643-648.	3.1	49
17	Role of cardiac dyssynchrony and resynchronization therapy in functional mitral regurgitation. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 471-480.	0.5	49
18	Which physical factors determine tricuspid regurgitation jet area in the clinical setting?. <i>American Journal of Cardiology</i> , 1993, 72, 1305-1309.	0.7	48

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19	A recommended practical approach to the management of anthracycline-based chemotherapy cardiotoxicity. <i>Journal of Cardiovascular Medicine</i> , 2016, 17, e84-e92.	0.6	47
20	Effective regurgitant orifice area in tricuspid regurgitation: Clinical implementation and follow-up study. <i>American Heart Journal</i> , 1994, 128, 927-933.	1.2	46
21	Echocardiographic Myocardial Scar Burden Predicts Response to Cardiac Resynchronization Therapy in Ischemic Heart Failure. <i>Journal of the American Society of Echocardiography</i> , 2009, 22, 702-708.	1.2	44
22	Improving the preclinical models for the study of chemotherapy-induced cardiotoxicity: a Position Paper of the Italian Working Group on Drug Cardiotoxicity and Cardioprotection. <i>Heart Failure Reviews</i> , 2015, 20, 621-631.	1.7	40
23	Current views on anthracycline cardiotoxicity. <i>Heart Failure Reviews</i> , 2016, 21, 621-634.	1.7	39
24	Sex differences in anthracycline-induced cardiotoxicity: the benefits of estrogens. <i>Heart Failure Reviews</i> , 2019, 24, 915-925.	1.7	39
25	A recommended practical approach to the management of target therapy and angiogenesis inhibitors cardiotoxicity. <i>Journal of Cardiovascular Medicine</i> , 2016, 17, e93-e104.	0.6	37
26	Cardioprotection by gene therapy. <i>International Journal of Cardiology</i> , 2015, 191, 203-210.	0.8	34
27	Left ventricular hypertrophy or storage disease? the incremental value of speckle tracking strain bull's eye. <i>Echocardiography</i> , 2017, 34, 746-759.	0.3	34
28	Abnormalities of Left Ventricular Function in Asymptomatic Patients with Systemic Sclerosis Using Doppler Measures of Myocardial Strain. <i>Journal of the American Society of Echocardiography</i> , 2008, 21, 1257-1264.	1.2	32
29	Improved recognition of dysfunctioning myocardial segments by longitudinal strain rate versus velocity in patients with myocardial infarction. <i>Journal of the American Society of Echocardiography</i> , 2004, 17, 313-321.	1.2	31
30	Abnormal left ventricular longitudinal function assessed by echocardiographic and tissue Doppler imaging is a powerful predictor of diastolic dysfunction in hypertensive patients: The SPHERE study. <i>International Journal of Cardiology</i> , 2013, 168, 3351-3358.	0.8	31
31	Pathophysiology of anthracycline cardiotoxicity. <i>Journal of Cardiovascular Medicine</i> , 2016, 17, e3-e11.	0.6	31
32	Peak Power Output to Left Ventricular Mass: An Index to Predict Ventricular Pumping Performance and Morbidity in Advanced Heart Failure. <i>Journal of the American Society of Echocardiography</i> , 2010, 23, 1259-1265.	1.2	29
33	Methodological approach for the assessment of ultrasound reproducibility of cardiac structure and function: a proposal of the study group of Echocardiography of the Italian Society of Cardiology (Ultra Cardia SIC) Part I. <i>Cardiovascular Ultrasound</i> , 2011, 9, 26.	0.5	28
34	Cancer Therapy-Induced Cardiotoxicity: Role of Ultrasound Deformation Imaging as an Aid to Early Diagnosis. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 627-643.	0.7	28
35	Value of proximal regurgitant jet size in tricuspid regurgitation. <i>American Heart Journal</i> , 1996, 131, 742-747.	1.2	27
36	Longitudinal strain of left ventricular basal segments and E/e' ratio differentiate primary cardiac amyloidosis at presentation from hypertensive hypertrophy: an automated function imaging study. <i>Echocardiography</i> , 2016, 33, 1335-1343.	0.3	27

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37	Potential cardiac risk of immune-checkpoint blockade as anticancer treatment: What we know, what we do not know, and what we can do to prevent adverse effects. <i>Medicinal Research Reviews</i> , 2018, 38, 1447-1468.	5.0	27
38	Chemotherapy-induced cardiotoxicity: new insights into mechanisms, monitoring, and prevention. <i>Journal of Cardiovascular Medicine</i> , 2018, 19, 315-323.	0.6	27
39	From left ventricular ejection fraction to cardiac hemodynamics: role of echocardiography in evaluating patients with heart failure. <i>Heart Failure Reviews</i> , 2020, 25, 217-230.	1.7	27
40	Three-dimensional echocardiographic reconstruction: description and applications of a simplified technique for quantitative assessment of left ventricular size and function. <i>American Journal of Cardiology</i> , 1998, 81, 107G-110G.	0.7	25
41	The prognostic impact of dynamic ventricular dyssynchrony in patients with idiopathic dilated cardiomyopathy and narrow QRS. <i>European Heart Journal Cardiovascular Imaging</i> , 2013, 14, 183-189.	0.5	25
42	Comparison of myocardial deformation and velocity dyssynchrony for identification of responders to cardiac resynchronization therapy. <i>European Journal of Heart Failure</i> , 2009, 11, 391-399.	2.9	24
43	Pacing transmural scar tissue reduces left ventricle reverse remodeling after cardiac resynchronization therapy. <i>International Journal of Cardiology</i> , 2013, 167, 94-101.	0.8	22
44	Echocardiographic Evaluation of Left Ventricular Output in Patients with Heart Failure: A Per-Beat or Per-Minute Approach?. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 135-147.e3.	1.2	22
45	The relationship between early left ventricular myocardial alterations and reduced coronary flow reserve in non-insulin-dependent diabetic patients with microvascular angina. <i>International Journal of Cardiology</i> , 2012, 154, 250-255.	0.8	21
46	Role of intraoperative transesophageal echocardiography in patients undergoing noncardiac surgery. <i>Journal of Cardiovascular Medicine</i> , 2008, 9, 993-1003.	0.6	20
47	Cardiovascular imaging in the diagnosis and monitoring of cardiotoxicity. <i>Journal of Cardiovascular Medicine</i> , 2016, 17, e35-e44.	0.6	20
48	Polar plot maps by parametric strain echocardiography allow accurate evaluation of non-viable transmural scar tissue in ischaemic heart disease. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 668-677.	0.5	20
49	Left Ventricular Lead Position Guided by Parametric Strain Echocardiography Improves Response to Cardiac Resynchronization Therapy. <i>Journal of the American Society of Echocardiography</i> , 2017, 30, 1001-1011.	1.2	18
50	Impact of Tissue Harmonic Imaging in Patients with Distorted Left Ventricles: Improvement in Accuracy and Reproducibility of Visual, Manual and Automated Echocardiographic Assessment of Left Ventricular Ejection Fraction. <i>European Journal of Echocardiography</i> , 2003, 4, 59-67.	2.3	18
51	Cardiovascular imaging in the diagnosis and monitoring of cardiotoxicity. <i>Journal of Cardiovascular Medicine</i> , 2016, 17, e45-e54.	0.6	17
52	A Simplified, Practical Echocardiographic Approach for 3-Dimensional Surfacing and Quantitation of the Left Ventricle: Clinical Application in Patients with Abnormally Shaped Hearts. <i>Journal of the American Society of Echocardiography</i> , 1998, 11, 1001-1012.	1.2	16
53	Value of Baseline Left Lateral Wall Postsystolic Displacement Assessed by M-Mode to Predict Reverse Remodeling by Cardiac Resynchronization Therapy. <i>American Journal of Cardiology</i> , 2007, 100, 470-475.	0.7	16
54	Reversibility of Left Ventricle Longitudinal Strain Alterations Induced by Adjuvant Therapy in Early Breast Cancer Patients. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 125-132.	0.7	14

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55	Current role of echocardiography in cardiac resynchronization therapy. <i>Heart Failure Reviews</i> , 2017, 22, 699-722.	1.7	14
56	Novel Echocardiographic Approach to Hemodynamic Phenotypes Predicts Outcome of Patients Hospitalized With Heart Failure. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e009939.	1.3	14
57	Role of cardiovascular imaging in cardiac resynchronization therapy. <i>Journal of Cardiovascular Medicine</i> , 2018, 19, 211-222.	0.6	13
58	Clinical Value and Time Course of Pericoronary Fat Inflammation in Patients with Angiographically Nonobstructive Coronaries: A Preliminary Report. <i>Journal of Clinical Medicine</i> , 2021, 10, 1786.	1.0	13
59	New measures of right ventricle-pulmonary artery coupling in heart failure: An all-cause mortality echocardiographic study. <i>International Journal of Cardiology</i> , 2021, 329, 234-241.	0.8	13
60	Right heart-pulmonary circulation unit and cardiac resynchronization therapy. <i>American Heart Journal</i> , 2017, 185, 1-16.	1.2	12
61	Real-time three dimensional transesophageal echocardiography: technical aspects and clinical applications. <i>Heart International</i> , 2010, 5, e6.	0.4	11
62	Echocardiographic evaluation of cardiac dyssynchrony: Does it still matter?. <i>Echocardiography</i> , 2018, 35, 707-715.	0.3	11
63	Physical factors determining mitral regurgitation jet area. <i>American Journal of Cardiology</i> , 1994, 74, 515-516.	0.7	10
64	Effect of Echocardiographic Grading of Left Ventricular Diastolic Dysfunction by Different Classifications in Primary Care. <i>American Journal of Cardiology</i> , 2015, 116, 1144-1152.	0.7	10
65	The effect of captopril on peripheral hemodynamics in patients with essential hypertension: Comparison between oral and sublingual administration. <i>Cardiovascular Drugs and Therapy</i> , 1990, 4, 751-754.	1.3	9
66	Assessment of left ventricular volume and function by integration of simplified 3D echocardiography, tissue harmonic imaging and automated extraction of endocardial borders. <i>International Journal of Cardiovascular Imaging</i> , 2004, 20, 191-202.	0.7	9
67	New echocardiographic technologies in the clinical management of hypertensive heart disease. <i>Journal of Cardiovascular Medicine</i> , 2007, 8, 997-1006.	0.6	9
68	Mechanical dyssynchrony and functional mitral regurgitation: pathophysiology and clinical implications. <i>Journal of Cardiovascular Medicine</i> , 2008, 9, 461-469.	0.6	9
69	Speckle tracking analysis in intensive care unit: A toy or a tool?. <i>Echocardiography</i> , 2018, 35, 506-519.	0.3	9
70	Current Role of Echocardiography in Cardiac Resynchronization Therapy: from Cardiac Mechanics to Flow Dynamics Analysis. <i>Current Heart Failure Reports</i> , 2020, 17, 384-396.	1.3	9
71	Right Atrial Pressure Is Associated with Outcomes in Patients with Heart Failure and Indeterminate Left Ventricular Filling Pressure. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 1345-1356.	1.2	9
72	Atrial and Ventricular Pressures in Atrial Flutter. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1999, 22, 600-604.	0.5	8

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73	Early speckle-tracking echocardiography predicts left ventricle remodeling after acute st-segment elevation myocardial infarction. <i>Journal of Cardiovascular Echography</i> , 2017, 27, 93.	0.1	8
74	Improved Detection of Left Ventricular Thrombi and Spontaneous Echocontrast by Tissue Harmonic Imaging in Patients with Myocardial Infarction. <i>Journal of the American Society of Echocardiography</i> , 2006, 19, 1373-1381.	1.2	7
75	Speckle Tracking Echocardiography for Cardiac Resynchronization Therapy: Has the Right Ultrasound Technique Finally Been Found?. <i>Journal of the American Society of Echocardiography</i> , 2010, 23, 190-194.	1.2	7
76	XStrain 4D analysis predicts left ventricular remodeling in patients with recent non-ST-segment elevation myocardial infarction. <i>International Journal of Cardiology</i> , 2016, 206, 107-109.	0.8	7
77	Intracardiac flow analysis in cardiac resynchronization therapy: A new challenge?. <i>Echocardiography</i> , 2019, 36, 1919-1929.	0.3	7
78	Left ventricle relative apical sparing in cardiac amyloidosis. <i>Journal of Cardiovascular Echography</i> , 2017, 27, 141.	0.1	7
79	TNF α in patients with congestive heart failure. <i>Basic Research in Cardiology</i> , 2004, 99, 12-17.	2.5	6
80	Discrepancies in Assessing Diastolic Function in Pre-Clinical Heart Failure Using Different Algorithmsâ€”A Primary Care Study. <i>Diagnostics</i> , 2020, 10, 850.	1.3	6
81	Left Ventricular Deformation and Vortex Analysis in Heart Failure: From Ultrasound Technique to Current Clinical Application. <i>Diagnostics</i> , 2021, 11, 892.	1.3	6
82	A semiautomated objective technique for applying the proximal isovelocity surface area method to quantitate mitral regurgitation: Clinical studies with the digital flow map. <i>American Heart Journal</i> , 2001, 141, 653-660.	1.2	5
83	Practical echocardiography in aortic valve stenosis. <i>Journal of Cardiovascular Medicine</i> , 2008, 9, 653-665.	0.6	5
84	Transesophageal echocardiography in patients with cardiac arrest: from high-quality chest compression to effective resuscitation. <i>Journal of Echocardiography</i> , 2021, 19, 28-36.	0.4	5
85	Impact of the â€œatherosclerotic pabulumâ€”on inâ€”hospital mortality for SARSâ€”CoVâ€”2 infection. Is calcium score able to identify atâ€”risk patients?. <i>Clinical Cardiology</i> , 2022, 45, 629-640.	0.7	5
86	Noninvasive Evaluation of Intraventricular Flow Dynamics by the HyperDoppler Technique: First Application to Normal Subjects, Athletes, and Patients with Heart Failure. <i>Journal of Clinical Medicine</i> , 2022, 11, 2216.	1.0	5
87	Atrioventricular Nodal versus Atrioventricular Supraventricular Reentrant Tachycardias: Characterization by an Integrated Doppler Electro-physiological Hemodynamic Study. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2000, 23, 2078-2085.	0.5	4
88	Determinants of discrepancies between two-dimensional echocardiographic methods for assessment of maximal left atrial volume. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 584-602.	0.5	4
89	Added Value of CCTA-Derived Features to Predict MACEs in Stable Patients Undergoing Coronary Computed Tomography. <i>Diagnostics</i> , 2022, 12, 1446.	1.3	4
90	Hemodynamic effects of oral propafenone during both sinus rhythm and atrial fibrillation. <i>American Journal of Cardiology</i> , 1995, 75, 91-93.	0.7	3

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91	A new method to estimate left ventricular circumferential midwall systolic function by standard echocardiography: Concordance between models and validation by speckle tracking. <i>International Journal of Cardiology</i> , 2016, 203, 947-958.	0.8	3
92	Evaluation of left ventricular systolic function during atrial fibrillation: Is it reliable?. <i>International Journal of Cardiology</i> , 2018, 263, 63-64.	0.8	3
93	Challenging Cases of Aortic Prosthesis Dysfunction, the Importance of Multimodality Imaging, a Case Series. <i>Diagnostics</i> , 2021, 11, 2305.	1.3	3
94	Diagnosis of cardiotoxicity: role of conventional and advanced cardiovascular imaging. <i>Journal of Cardiovascular Echography</i> , 2011, 21, 60-72.	0.1	2
95	Simplified vs comprehensive echocardiographic grading of left ventricular diastolic dysfunction in primary care. <i>International Journal of Cardiology</i> , 2016, 214, 243-245.	0.8	2
96	Left ventricular output indices in hospitalized heart failure: when "simpler" may not mean "better". <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 59-68.	0.7	2
97	Role of Cardiac Imaging Modalities in the Evaluation of COVID-19-Related Cardiomyopathy. <i>Diagnostics</i> , 2022, 12, 896.	1.3	2
98	Combining echo-derived haemodynamic phenotypes and myocardial strain for risk stratification of chronic heart failure with reduced ejection fraction. <i>European Heart Journal Cardiovascular Imaging</i> , 2023, 24, 483-491.	0.5	2
99	Ruolo attuale dell'ecocardiografia nella terapia di resincronizzazione cardiaca. <i>Journal of Cardiovascular Echography</i> , 2011, 21, 166-178.	0.1	1
100	Impact of physical training on normal age-related changes in left ventricular longitudinal function. <i>International Journal of Cardiology</i> , 2015, 184, 68-70.	0.8	1
101	Paradoxical low-flow phenotype in hospitalized heart failure with preserved ejection fraction. <i>IJC Heart and Vasculature</i> , 2020, 28, 100539.	0.6	1
102	Response by Mele et al to Letter Regarding Article, "Novel Echocardiographic Approach to Hemodynamic Phenotypes Predicts Outcome of Patients Hospitalized With Heart Failure". <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e011045.	1.3	1
103	Indirect ultrasound evaluation of left ventricular outflow tract diameter implications for heart failure and aortic stenosis severity assessment. <i>Echocardiography</i> , 2021, 38, 1104-1114.	0.3	1
104	Value of Left Ventricular Indexed Ejection Time to Characterize the Severity of Aortic Stenosis. <i>Journal of Clinical Medicine</i> , 2022, 11, 1877.	1.0	1
105	Noninvasive evaluation of right hemodynamics in carcinoid heart disease: A case report. <i>Journal of Clinical Ultrasound</i> , 2017, 45, 355-361.	0.4	0
106	Reply. <i>European Journal of Heart Failure</i> , 2017, 19, 435-435.	2.9	0
107	Underestimation of Regional Myocardial Perfusion With Tc-99m Sestamibi Single-Day Rest-Stress SPECT. <i>Clinical Nuclear Medicine</i> , 2000, 25, 255-257.	0.7	0
108	Feasibility and Role of Right Ventricular Stress Echocardiography in Adult Patients. <i>Journal of Cardiovascular Echography</i> , 2021, 31, 68-72.	0.1	0

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109	311â€fA new color Doppler-based echocardiographic technique for evaluation of intraventricular flow dynamics: first application to normal subjects, athletes, and patients. European Heart Journal Supplements, 2021, 23, .	0.0	0