

Otto Armin Smiseth

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

20,791
citations

53660

45
h-index

45213

90
g-index

100
all docs

100
docs citations

100
times ranked

16853
citing authors

#	ARTICLE	IF	CITATIONS
1	Recommendations for the Evaluation of Left Ventricular Diastolic Function by Echocardiography: An Update from the American Society of Echocardiography and the European Association of Cardiovascular Imaging. <i>Journal of the American Society of Echocardiography</i> , 2016, 29, 277-314.	1.2	3,807
2	Recommendations for the Evaluation of Left Ventricular Diastolic Function by Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2009, 22, 107-133.	1.2	2,874
3	How to diagnose diastolic heart failure: a consensus statement on the diagnosis of heart failure with normal left ventricular ejection fraction by the Heart Failure and Echocardiography Associations of the European Society of Cardiology. <i>European Heart Journal</i> , 2007, 28, 2539-2550.	1.0	2,302
4	Recommendations for the Evaluation of Left Ventricular Diastolic Function by Echocardiography: An Update from the American Society of Echocardiography and the European Association of Cardiovascular Imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 1321-1360.	0.5	1,716
5	Noninvasive Myocardial Strain Measurement by Speckle Tracking Echocardiography. <i>Journal of the American College of Cardiology</i> , 2006, 47, 789-793.	1.2	1,117
6	Myocardial Strain by Doppler Echocardiography. <i>Circulation</i> , 2000, 102, 1158-1164.	1.6	1,025
7	Current and Evolving Echocardiographic Techniques for the Quantitative Evaluation of Cardiac Mechanics: ASE/EAE Consensus Statement on Methodology and Indications Endorsed by the Japanese Society of Echocardiography. <i>European Journal of Echocardiography</i> , 2011, 12, 167-205.	2.3	796
8	New Noninvasive Method for Assessment of Left Ventricular Rotation. <i>Circulation</i> , 2005, 112, 3149-3156.	1.6	645
9	Myocardial strain imaging: how useful is it in clinical decision making?. <i>European Heart Journal</i> , 2016, 37, 1196-1207.	1.0	604
10	A novel clinical method for quantification of regional left ventricular pressure—strain loop area: a non-invasive index of myocardial work. <i>European Heart Journal</i> , 2012, 33, 724-733.	1.0	517
11	Geometry as a Confounder When Assessing Ventricular Systolic Function. <i>Journal of the American College of Cardiology</i> , 2017, 70, 942-954.	1.2	345
12	New strategies for heart failure with preserved ejection fraction: the importance of targeted therapies for heart failure phenotypes. <i>European Heart Journal</i> , 2014, 35, 2797-2815.	1.0	304
13	Estimating Left Ventricular Filling Pressure by Echocardiography. <i>Journal of the American College of Cardiology</i> , 2017, 69, 1937-1948.	1.2	298
14	Mechanical Dispersion Assessed by Myocardial Strain in Patients After Myocardial Infarction for Risk Prediction of Ventricular Arrhythmia. <i>JACC: Cardiovascular Imaging</i> , 2010, 3, 247-256.	2.3	248
15	Assessment of wasted myocardial work: a novel method to quantify energy loss due to uncoordinated left ventricular contractions. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H996-H1003.	1.5	235
16	Postsystolic Shortening in Ischemic Myocardium. <i>Circulation</i> , 2002, 106, 718-724.	1.6	226
17	Strain Echocardiography Improves Risk Prediction of Ventricular Arrhythmias After Myocardial Infarction. <i>JACC: Cardiovascular Imaging</i> , 2013, 6, 841-850.	2.3	222
18	Determinants of Left Ventricular Early-Diastolic Lengthening Velocity. <i>Circulation</i> , 2009, 119, 2578-2586.	1.6	173

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19	Cardiac Imaging to Evaluate Left Ventricular Diastolic Function. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 1071-1093.	2.3	160
20	Right ventricular mechanical dispersion is related to malignant arrhythmias: a study of patients with arrhythmogenic right ventricular cardiomyopathy and subclinical right ventricular dysfunction. <i>European Heart Journal</i> , 2011, 32, 1089-1096.	1.0	158
21	Non-invasive myocardial work index identifies acute coronary occlusion in patients with non-ST-segment elevation-acute coronary syndrome. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 1247-1255.	0.5	152
22	Multimodality imaging in patients with heart failure and preserved ejection fraction: an expert consensus document of the European Association of Cardiovascular Imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, e34-e61.	0.5	140
23	Determinants of left atrial reservoir and pump strain and use of atrial strain for evaluation of left ventricular filling pressure. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 23, 61-70.	0.5	129
24	Transmural Differences in Myocardial Contraction in Long-QT Syndrome. <i>Circulation</i> , 2010, 122, 1355-1363.	1.6	125
25	The pulmonary venous systolic flow pulse—its origin and relationship to left atrial pressure. <i>Journal of the American College of Cardiology</i> , 1999, 34, 802-809.	1.2	122
26	Left ventricular mechanical dispersion by tissue Doppler imaging: a novel approach for identifying high-risk individuals with long QT syndrome. <i>European Heart Journal</i> , 2008, 30, 330-337.	1.0	119
27	Left ventricular global longitudinal strain is associated with exercise capacity in failing hearts with preserved and reduced ejection fraction. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 217-224.	0.5	111
28	Value of Myocardial Work Estimation in the Prediction of Response to Cardiac Resynchronization Therapy. <i>Journal of the American Society of Echocardiography</i> , 2018, 31, 220-230.	1.2	111
29	Acute coronary occlusion in non-ST-elevation acute coronary syndrome: outcome and early identification by strain echocardiography. <i>Heart</i> , 2010, 96, 1550-1556.	1.2	110
30	Role of myocardial constructive work in the identification of responders to CRT. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 1010-1018.	0.5	106
31	Strain echocardiographic assessment of left atrial function predicts recurrence of atrial fibrillation. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 660-667.	0.5	91
32	Strain Echocardiography and Wall Motion Score Index Predicts Final Infarct Size in Patients With Non-ST-Segment Elevation Myocardial Infarction. <i>Circulation: Cardiovascular Imaging</i> , 2010, 3, 187-194.	1.3	86
33	Myocardial Strain Analysis in Acute Coronary Occlusion. <i>Circulation</i> , 2005, 112, 3901-3910.	1.6	84
34	Myocardial Acceleration During Isovolumic Contraction. <i>Circulation</i> , 2005, 111, 1362-1369.	1.6	81
35	Myocardial work by echocardiography: a novel method ready for clinical testing. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 18-20.	0.5	75
36	Imaging predictors of response to cardiac resynchronization therapy: left ventricular work asymmetry by echocardiography and septal viability by cardiac magnetic resonance. <i>European Heart Journal</i> , 2020, 41, 3813-3823.	1.0	75

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37	Mechanisms of Abnormal Systolic Motion of the Interventricular Septum During Left Bundle-Branch Block. <i>Circulation: Cardiovascular Imaging</i> , 2011, 4, 264-273.	1.3	74
38	Early Assessment of Strain Echocardiography Can Accurately Exclude Significant Coronary Artery Stenosis in Suspected Non-â€“ST-Segment Elevation Acute Coronary Syndrome. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 512-519.	1.2	71
39	How to measure left ventricular myocardial work by pressure-â€“strain loops. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 259-261.	0.5	68
40	Left ventricular filling at elevated diastolic pressures: Relationship between transmitral Doppler flow velocities and atrial contribution. <i>American Heart Journal</i> , 1990, 119, 620-626.	1.2	67
41	Medical Therapies for Heart Failure With Preserved Ejection Fraction. <i>Hypertension</i> , 2020, 75, 23-32.	1.3	61
42	Cardiac Mechanical Alterations and Genotype Specific Differences in Subjects With Long QT Syndrome. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 501-510.	2.3	59
43	Myocardial Relaxation, Restoring Forces, and Early-Diastolic Load Are Independent Determinants of Left Ventricular Untwisting Rate. <i>Circulation</i> , 2012, 126, 1441-1451.	1.6	55
44	Acute regional myocardial ischemia identified by 2-dimensional multiregion Doppler imaging tissue technique. <i>Journal of the American Society of Echocardiography</i> , 2000, 13, 986-994.	1.2	52
45	Diastolic Stress Test. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 272-282.	2.3	52
46	Hypertension and heart failure with preserved ejection fraction: position paper by the European Society of Hypertension. <i>Journal of Hypertension</i> , 2021, 39, 1522-1545.	0.3	47
47	Evaluation of left ventricular diastolic function: state of the art after 35-â€“years with Doppler assessment. <i>Journal of Echocardiography</i> , 2018, 16, 55-64.	0.4	46
48	Mechanism of harm from left bundle branch block. <i>Trends in Cardiovascular Medicine</i> , 2019, 29, 335-342.	2.3	46
49	Mechanism of Abnormal Septal Motion in Left Bundle Branch Block. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 2402-2413.	2.3	44
50	The role of echocardiography in quantification of left ventricular dyssynchrony: state of the art and future directions. <i>European Heart Journal Cardiovascular Imaging</i> , 2012, 13, 61-68.	0.5	43
51	Acute redistribution of regional left ventricular work by cardiac resynchronization therapy determines long-term remodelling. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 619-628.	0.5	40
52	Afterload Hypersensitivity in Patients With-Left Bundle Branch Block. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 967-977.	2.3	34
53	Imaging of the left atrium: pathophysiology insights and clinical utility. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 23, 2-13.	0.5	32
54	Evaluation of Left Ventricular Dyssynchrony by Onset of Active Myocardial Force Generation. <i>Circulation: Cardiovascular Imaging</i> , 2010, 3, 405-414.	1.3	31

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55	Myocardial Efficiency. JACC: Cardiovascular Imaging, 2020, 13, 1564-1576.	2.3	30
56	A potential clinical method for calculating transmural left ventricular filling pressure during positive end-expiratory pressure ventilation: An intraoperative study in humans. Journal of the American College of Cardiology, 1996, 27, 155-160.	1.2	28
57	Mechanics of intraventricular filling: study of LV early diastolic pressure gradients and flow velocities. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 275, H1062-H1069.	1.5	28
58	Myocardial constructive work and cardiac mortality in resynchronization therapy candidates. American Heart Journal, 2019, 212, 53-63.	1.2	27
59	Atrioventricular filling dynamics, diastolic function and dysfunction. Heart Failure Reviews, 2000, 5, 291-299.	1.7	22
60	Regulation of Hepatic Vascular Volume. Circulation, 1997, 96, 4415-4423.	1.6	22
61	Pathophysiological rationale and diagnostic targets for diastolic stress testing. Heart, 2015, 101, 1355-1360.	1.2	17
62	Normal Values for Myocardial Work Indices Derived From Pressure-Strain Loop Analyses: From the CCHS. Circulation: Cardiovascular Imaging, 2022, 15, 101161CIRCIMAGING121013712.	1.3	16
63	Factors determining the magnitude of the pre-ejection leftward septal motion in left bundle branch block. Europace, 2015, 18, euv381.	0.7	15
64	Assessment of Regional Myocardial Work in Rats. Circulation: Cardiovascular Imaging, 2015, 8, e002695.	1.3	15
65	Heart failure and systolic function: time to leave diagnostics based on ejection fraction?. European Heart Journal, 2021, 42, 786-788.	1.0	15
66	How to assess left ventricular filling pressures by echocardiography in clinical practice. European Heart Journal Cardiovascular Imaging, 2022, 23, 1127-1129.	0.5	15
67	Mechanical Effects on Right Ventricular Function From Left Bundle Branch Block and Cardiac Resynchronization Therapy. JACC: Cardiovascular Imaging, 2020, 13, 1475-1484.	2.3	14
68	Evaluation of diastolic function by echocardiography: important progression, but issues to be resolved. European Heart Journal Cardiovascular Imaging, 2018, 19, 387-388.	0.5	13
69	Importance of Systematic Right Ventricular Assessment in Cardiac Resynchronization Therapy Candidates: A Machine Learning Approach. Journal of the American Society of Echocardiography, 2021, 34, 494-502.	1.2	11
70	Regional myocardial work by cardiac magnetic resonance and non-invasive left ventricular pressure: a feasibility study in left bundle branch block. European Heart Journal Cardiovascular Imaging, 2020, 21, 143-153.	0.5	10
71	Dysfunction of the systemic right ventricle after atrial switch: physiological implications of altered septal geometry and load. Journal of Applied Physiology, 2018, 125, 1482-1489.	1.2	9
72	Left ventricular end-systolic volume is a more sensitive marker of acute response to cardiac resynchronization therapy than contractility indices: insights from an experimental study. Europace, 2019, 21, 347-355.	0.7	9

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73	Lateral Wall Dysfunction Signals Onset of Progressive Heart Failure in Left Bundle Branch Block. JACC: Cardiovascular Imaging, 2021, 14, 2059-2069.	2.3	7
74	Cardiac responses to left ventricular pacing in hearts with normal electrical conduction: beneficial effect of improved filling is counteracted by dyssynchrony. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H370-H378.	1.5	6
75	Pulmonary veins: an important side window into ventricular function. European Heart Journal Cardiovascular Imaging, 2015, 16, 1189-1190.	0.5	6
76	Need for better diastolic stress test: twistinâ€™™ time is here?. European Heart Journal Cardiovascular Imaging, 2018, 19, 20-22.	0.5	6
77	The left atrium: a mirror of ventricular systolic and diastolic function. European Heart Journal Cardiovascular Imaging, 2020, 21, 270-272.	0.5	5
78	Left atrial strain imaging: ready for clinical implementation in heart failure with preserved ejection fraction. European Heart Journal Cardiovascular Imaging, 2022, 23, 1169-1170.	0.5	5
79	Methods for assessing hepatic distending pressure and changes in hepatic capacitance in pigs. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H1796-H1803.	1.5	4
80	Mechanical dyssynchronyâ€™™ resurrected as a flashing and rocking parameter to predict prognosis after cardiac resynchronization therapy. European Heart Journal Cardiovascular Imaging, 2017, 18, 1118-1119.	0.5	4
81	regarding the article â€™™Optimized implementation of cardiac resynchronization therapy: a call for action for referral and optimization of care: a joint position statement from the Heart Failure Association (HFA), European Heart Rhythm Association (EHRA), and European Association of Cardiovascular Imaging (EACVI) of the European Society of Cardiologyâ€™™. European Journal of Heart Failure, 2021, 23, 843-844.	2.9	4
82	Strain identifies pseudo-normalized right ventricular function in tricuspid regurgitation. European Heart Journal Cardiovascular Imaging, 2021, 22, 876-877.	0.5	3
83	Exhausted atrial reserve by tissue Doppler echocardiography: a risk marker in heart failure with reduced ejection fraction. European Heart Journal Cardiovascular Imaging, 2016, 17, 732-734.	0.5	2
84	Left ventricular strain for predicting the response to cardiac resynchronization therapy: two methods for one question. European Heart Journal Cardiovascular Imaging, 2021, , .	0.5	2
85	Left bundle branch block increases left ventricular diastolic pressure during tachycardia due to incomplete relaxation. Journal of Applied Physiology, 2020, 128, 729-738.	1.2	2
86	Right ventricular work: a step forward for non-invasive assessment of right ventricular function. European Heart Journal Cardiovascular Imaging, 2021, 22, 153-154.	0.5	2
87	Focus on the left atrium in cardiac disease. European Heart Journal Cardiovascular Imaging, 2021, 23, 1-1.	0.5	2
88	The Authors Reply:. JACC: Cardiovascular Imaging, 2019, 12, 2097-2098.	2.3	1
89	Left ventricular regional glucose metabolism in combination with septal scar extent identifies CRT responders. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 2437-2446.	3.3	1
90	Left ventricular performance by work and wasted energy: is strain not sufficient?. European Heart Journal Cardiovascular Imaging, 2021, , .	0.5	1

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91	OUP accepted manuscript. European Heart Journal Cardiovascular Imaging, 2021, , .	0.5	1
92	Unstable Angina Pectoris. Acta Medica Scandinavica, 1988, 224, 19-23.	0.0	0
93	Letter by Smiseth and Nagueh et al Regarding Article, "Role of Diastolic Stress Testing in the Evaluation for Heart Failure With Preserved Ejection Fraction: A Simultaneous Invasive-Echocardiographic Study" Circulation, 2017, 136, 428-429.	1.6	0
94	Editorial commentary: Septal flash " what is behind the flashy name?. Trends in Cardiovascular Medicine, 2020, 30, 123-124.	2.3	0
95	Finding the "Golden Moment" for TAVR. JACC: Cardiovascular Imaging, 2020, 13, 2573-2575.	2.3	0
96	ASE/EACVI Diastolic Guidelines: Strength and Limitations. , 2021, , 249-257.		0
97	Abstract 20414: Cardiac Resynchronization Therapy Reduces Septal Contribution to Right Ventricular Work. Circulation, 2014, 130, .	1.6	0
98	Derek G. Gibson" a unique scientist and cardiologist, 1936"2021. European Heart Journal Cardiovascular Imaging, 2022, , .	0.5	0
99	The challenge of assessing left ventricular function after repair of aortic coarctation: Can we do better?. Revista Portuguesa De Cardiologia, 2022, , .	0.2	0
100	Myocardial Mechanics. , 2017, , 128-146.		0