Partho P Sengupta, Dm

List of Publications by Year in Descending Order

197 papers	10,930 citations	50 h-index	100 g-index
291 ext. papers	13,548 ext. citations	5.7 avg, IF	6.46 L-index

#	Paper	IF	Citations
197	Future applications of strain imaging **2022**, 220-235		
196	Machine Learning in Cardiovascular Imaging.. *Heart Failure Clinics*, **2022**, 18, 245-258	3.3	0
195	Cardiac Ultrasound Imaging: The Role of Artificial Intelligence. *Contemporary Medical Imaging*, **2022**, 393-401	0.1	
194	CT assessment of the left atrial appendage post-transcatheter occlusion - A systematic review and meta analysis. *Journal of Cardiovascular Computed Tomography*, **2021**, 15, 348-355	2.8	5
193	Cardiovascular Imaging and Intervention Through the Lens of Artificial Intelligence. *Interventional Cardiology Review*, **2021**, 16, e31	4.2	2
192	Deep neural survival networks for cardiovascular risk prediction: The Multi-Ethnic Study of Atherosclerosis (MESA). *Computers in Biology and Medicine*, **2021**, 139, 104983	7	2
191	Transesophageal echocardiography probe cover: implementation of a cross-contamination containment strategy during the COVID-19 pandemic. *Brazilian Journal of Anesthesiology (Elsevier)*, **2021**, 71, 200-201	0.2	
190	Development and validation of optimal phenomapping methods to estimate long-term atherosclerotic cardiovascular disease risk in patients with type 2 diabetes. *Diabetologia*, **2021**, 64, 1583-1594	10.2	5
189	Computational Modeling Studies of the Roles of Left Ventricular Geometry, Afterload, and Muscle Contractility on Myocardial Strains in Heart Failure with Preserved Ejection Fraction. *Journal of Cardiovascular Translational Research*, **2021**, 14, 1131-1145	3.3	6
188	Association Between Breast Arterial Calcification on Mammography and Coronary Artery Disease: A Systematic Review and Meta-Analysis. *Journal of Women's Health*, **2021**,	3	2
187	Index admission and thirty-day readmission outcomes of patients with cancer presenting with STEMI. *Cardiovascular Revascularization Medicine*, **2021**, 35, 121-121	1.6	1
186	Deep-Learning Models for the Echocardiographic Assessment of Diastolic Dysfunction. *JACC: Cardiovascular Imaging*, **2021**, 14, 1887-1900	8.4	13
185	A vital sign-based prediction algorithm for differentiating COVID-19 versus seasonal influenza in hospitalized patients. *Npj Digital Medicine*, **2021**, 4, 95	15.7	4
184	Machine Learning of ECG Waveforms to Improve Selection for Testing for Asymptomatic Left Ventricular Dysfunction. *JACC: Cardiovascular Imaging*, **2021**, 14, 1904-1915	8.4	3
183	High Prevalence of Pericardial Involvement in College Student Athletes Recovering From COVID-19. *JACC: Cardiovascular Imaging*, **2021**, 14, 541-555	8.4	69
182	A Machine-Learning Framework to Identify Distinct Phenotypes of Aortic Stenosis Severity. *JACC: Cardiovascular Imaging*, **2021**, 14, 1707-1720	8.4	5
181	The Role of Artificial Intelligence in Cardiovascular Imaging: State of the Art Review. *Frontiers in Cardiovascular Medicine*, **2020**, 7, 618849	5.4	10

180	Multimodality Cardiovascular Imaging in the Midst of the COVID-19 Pandemic: Ramping Up Safely to a New Normal. *JACC: Cardiovascular Imaging*, **2020**, 13, 1615-1626	8.4	35
179	Non-invasive prediction of tissue Doppler-derived E/eQratio using lung Doppler signals. *European Heart Journal Cardiovascular Imaging*, **2020**, 21, 994-1004	4.1	2
178	Interpatient Similarities in Cardiac Function: A Platform for Personalized Cardiovascular Medicine. *JACC: Cardiovascular Imaging*, **2020**, 13, 1119-1132	8.4	15
177	Cardiac mechanics in heart failure with preserved ejection fraction. *Echocardiography*, **2020**, 37, 1936-1943	1.5	7
176	Double-Orifice Mitral Valve Associated with Bicuspid Aortic Valve and Primary Pulmonary Vein Stenosis. *Case*, **2020**, 4, 152-154	0.5	1
175	A low-cost texture-based pipeline for predicting myocardial tissue remodeling and fibrosis using cardiac ultrasound. *EBioMedicine*, **2020**, 54, 102726	8.8	13
174	Comparing sedation vs. general anaesthesia in transoesophageal echocardiography-guided percutaneous transcatheter mitral valve repair: a meta-analysis. *European Heart Journal Cardiovascular Imaging*, **2020**, 21, 511-521	4.1	1
173	Machine learning for predicting cardiac events: what does the future hold?. *Expert Review of Cardiovascular Therapy*, **2020**, 18, 77-84	2.5	7
172	Current Challenges and Recent Updates in Artificial Intelligence and Echocardiography. *Current Cardiovascular Imaging Reports*, **2020**, 13, 1	0.7	6
171	Clinical Inference From Cardiovascular Imaging: Paradigm Shift Towards Machine-Based Intelligent Platform. *Current Treatment Options in Cardiovascular Medicine*, **2020**, 22, 1	2.1	8
170	A Network-Based "Phenomics" Approach for Discovering Patient Subtypes From High-Throughput Cardiac Imaging Data. *JACC: Cardiovascular Imaging*, **2020**, 13, 1655-1670	8.4	8
169	Artificial Intelligence in Cardiac Imaging. *US Cardiology Review*, **2020**, 13, 110-116	0.4	9
168	Cardiovascular Imaging Through the Prism of Modern Metrics. *JACC: Cardiovascular Imaging*, **2020**, 13, 1256-1269	8.4	6
167	Prediction of coronary artery calcium scoring from surface electrocardiogram in atherosclerotic cardiovascular disease: a pilot study. *European Heart Journal Digital Health*, **2020**, 1, 51-61	2.3	3
166	Machine Learning Assessment of Left Ventricular Diastolic Function Based on Electrocardiographic Features. *Journal of the American College of Cardiology*, **2020**, 76, 930-941	15.1	20
165	Cardiac Imaging in the Post-ISCHEMIA Trial Era: A Multisociety Viewpoint. *JACC: Cardiovascular Imaging*, **2020**, 13, 1815-1833	8.4	10
164	The Role of Artificial Intelligence in Echocardiography. *Current Cardiology Reports*, **2020**, 22, 99	4.2	12
163	The Author Reply. *JACC: Cardiovascular Imaging*, **2020**, 13, 337-338	8.4	

162	Proposed Requirements for Cardiovascular Imaging-Related Machine Learning Evaluation (PRIME): A Checklist: Reviewed by the American College of Cardiology Healthcare Innovation Council. *JACC: Cardiovascular Imaging*, **2020**, 13, 2017-2035	8.4	34
161	Usefulness of Semisupervised Machine-Learning-Based Phenogrouping to Improve Risk Assessment for Patients Undergoing Transcatheter Aortic Valve Implantation. *American Journal of Cardiology*, **2020**, 136, 122-130	3	5
160	Myocardial Mechanics in Patients With Normal LVEF and Diastolic Dysfunction. *JACC: Cardiovascular Imaging*, **2020**, 13, 258-271	8.4	25
159	Artificial Intelligence: Practical Primer for Clinical Research in Cardiovascular Disease. *Journal of the American Heart Association*, **2019**, 8, e012788	6	46
158	Ticagrelor after pharmacological thrombolysis in patients with ST-segment elevation myocardial infarctions: insight from a trial sequential analysis. *Journal of Thrombosis and Thrombolysis*, **2019**, 48, 661-667	5.1	1
157	Network Tomography for Understanding Phenotypic Presentations in Aortic Stenosis. *JACC: Cardiovascular Imaging*, **2019**, 12, 236-248	8.4	35
156	How Do We Reconcile Echocardiography, Computed Tomography, and Hybrid Imaging in Assessing Discordant Grading of Aortic Stenosis Severity?. *JACC: Cardiovascular Imaging*, **2019**, 12, 267-282	8.4	23
155	Artificial Intelligence in Cardiovascular Medicine. *Current Treatment Options in Cardiovascular Medicine*, **2019**, 21, 25	2.1	34
154	Artificial Intelligence in Cardiovascular Imaging: JACC State-of-the-Art Review. *Journal of the American College of Cardiology*, **2019**, 73, 1317-1335	15.1	186
153	Artificial Intelligence in Nuclear Cardiology: Adding Value to Prognostication. *Current Cardiovascular Imaging Reports*, **2019**, 12, 1	0.7	10
152	Clinical and Economic Burden of Acute Ischemic Stroke Following Transcatheter Aortic Valve Replacement. *Structural Heart*, **2019**, 3, 72-73	0.6	7
151	Challenging Scenario of Aortic Valve Tendon Masquerading as Aortic Dissection During Transcatheter Aortic Valve Replacement. *JACC: Case Reports*, **2019**, 1, 59-61	1.2	
150	Incidence, Characteristics and Management of Persistent Peri-Device Flow after Percutaneous Left Atrial Appendage Occlusion. *Structural Heart*, **2019**, 3, 491-498	0.6	3
149	Application of mobile health, telemedicine and artificial intelligence to echocardiography. *Echo Research and Practice*, **2019**, 6, R41-R52	2	37
148	Mitochondrial DNA Variation Dictates Expressivity and Progression of Nuclear DNA Mutations Causing Cardiomyopathy. *Cell Metabolism*, **2019**, 29, 78-90.e5	24.6	35
147	Phenotypic Clustering of Left Ventricular Diastolic Function Parameters: Patterns and Prognostic Relevance. *JACC: Cardiovascular Imaging*, **2019**, 12, 1149-1161	8.4	49
146	Molecular Imaging of Apoptosis in Cancer Therapy-Related Cardiac Dysfunction Before LVEF Reduction. *JACC: Cardiovascular Imaging*, **2018**, 11, 1203-1205	8.4	5
145	Annular rupture during transcatheter aortic valve replacement: novel treatment with amplatzer vascular plugs. *European Heart Journal*, **2018**, 39, 714-715	9.5	6

144	Prediction of Abnormal Myocardial Relaxation From Signal Processed Surface ECG. *Journal of the American College of Cardiology*, **2018**, 71, 1650-1660	15.1	40
143	Molecular Imaging of Apoptosis in Ischemia‐Reperfusion Injury With Radiolabeled‐Duramycin Targeting Phosphatidylethanolamine: Effective Target Uptake and Reduced Nontarget Organ‐Radiation Burden. *JACC: Cardiovascular Imaging*, **2018**, 11, 1823-1833	8.4	18
142	Machine learning in cardiovascular medicine: are we there yet?. *Heart*, **2018**, 104, 1156-1164	5.1	195
141	Standardization of left atrial, right ventricular, and right atrial deformation imaging using two-dimensional speckle tracking echocardiography: a consensus document of the EACVI/ASE/Industry Task Force to standardize deformation imaging. *European Heart Journal Cardiovascular Imaging*, **2018**, 19, 591-600	4.1	433
140	Artificial Intelligence-Based Assessment of Left Ventricular Filling Pressures From 2-Dimensional Cardiac Ultrasound Images. *JACC: Cardiovascular Imaging*, **2018**, 11, 509-510	8.4	16
139	A Randomized Trial of Pocket-Echocardiography Integrated Mobile Health Device Assessments in Modern Structural Heart Disease Clinics. *JACC: Cardiovascular Imaging*, **2018**, 11, 546-557	8.4	31
138	Comparison of transesophageal and transthoracic echocardiography under moderate sedation for guiding transcatheter aortic valve replacement. *Journal of Animal Science and Technology*, **2018**, 5, 79-87	1.6	6
137	Management of Peridevice Leak‐Following Left Atrial Appendage‐Occlusion. *JACC: Clinical Electrophysiology*, **2018**, 4, 967-969	4.6	5
136	Transcatheter Closure of a Sinus‐Venosus‐Atrial Septal Defect Via‐Transhepatic Access. *JACC: Cardiovascular Interventions*, **2018**, 11, e113-e115	5	4
135	Relationship of Transmural Variations in Myofiber Contractility to Left Ventricular Ejection Fraction: Implications for Modeling Heart Failure Phenotype With Preserved Ejection Fraction. *Frontiers in Physiology*, **2018**, 9, 1003	4.6	13
134	Genetically determined pattern of left ventricular function in normal and hypertensive hearts. *Journal of Clinical Hypertension*, **2018**, 20, 949-958	2.3	5
133	Percutaneous Closure of Peridevice Leak After Left Atrial Appendage Occlusion. *JACC: Cardiovascular Interventions*, **2018**, 11, e83-e85	5	14
132	HIV related stigma, perceived social support and risk of premature atherosclerosis in South Asians. *Indian Heart Journal*, **2018**, 70, 630-636	1.6	2
131	Beamforming algorithms for endocardial border detection. *Echocardiography*, **2018**, 35, 1499-1506	1.5	3
130	The whole is greater than the sum of its parts: combining classical statistical and machine intelligence methods in medicine. *Heart*, **2018**, 104, 1228	5.1	11
129	Precision Phenotyping in Heart Failure and‐Pattern Clustering of Ultrasound Data‐for the Assessment of Diastolic‐Dysfunction. *JACC: Cardiovascular Imaging*, **2017**, 10, 1291-1303	8.4	50
128	Post-Extrasystolic Transaortic Valve Gradients Differentiate "Pseudo" and "True" Low-Flow, Low-Gradient Severe AS During Dobutamine Stress Echocardiography. *JACC: Cardiovascular Imaging* , **2017**, 10, 1199-1200	8.4	5
127	New Cardiac Imaging Algorithms to Diagnose Constrictive Pericarditis Versus Restrictive Cardiomyopathy. *Current Cardiology Reports*, **2017**, 19, 43	4.2	12

126	Reply: Deep Learning With Unsupervised Feature in Echocardiographic Imaging. *Journal of the American College of Cardiology*, **2017**, 69, 2101-2102	15.1	9
125	PREDICTIVE MODELING OF HOSPITAL READMISSION RATES USING ELECTRONIC MEDICAL RECORD-WIDE MACHINE LEARNING: A CASE-STUDY USING MOUNT SINAI HEART FAILURE COHORT. *Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing*, **2017**, 22, 276-287	1.3	48
124	Handheld Echocardiography: Current State and Future Perspectives. *Circulation*, **2017**, 136, 2178-2188	16.7	62
123	Usefulness of Speckle Tracking Strain Echocardiography for Assessment of Risk of Ventricular Arrhythmias After Placement of a Left Ventricular Assist Device. *American Journal of Cardiology*, **2017**, 120, 1578-1583	3	4
122	How to interpret an echocardiography report (for the non-imager)?. *Heart*, **2017**, 103, 1733-1744	5.1	6
121	Cardioprotective Effects of HSP72 Administration on Ischemia-Reperfusion Injury. *Journal of the American College of Cardiology*, **2017**, 70, 1479-1492	15.1	23
120	The Potential of Clinical Phenotyping of Heart Failure With Imaging Biomarkers for Guiding Therapies: A Focused Update. *JACC: Cardiovascular Imaging*, **2017**, 10, 1056-1071	8.4	13
119	Enabling Precision Cardiology Through Multiscale Biology and Systems Medicine. *JACC Basic To Translational Science*, **2017**, 2, 311-327	8.7	42
118	Dynamic Changes in LV Radius as a Marker of Septal Configuration for Predicting RV Failure Following LVAD Implantation. *JACC: Cardiovascular Imaging*, **2017**, 10, 598-599	8.4	1
117	Gestational changes in left ventricular myocardial contractile function: new insights from two-dimensional speckle tracking echocardiography. *International Journal of Cardiovascular Imaging* , **2017**, 33, 69-82	2.5	14
116	Is TAVR Ready for the Global Aging Population?. *Global Heart*, **2017**, 12, 291-299	2.9	6
115	Machine-Learning Algorithms to Automate Morphological and Functional Assessments in 2D Echocardiography. *Journal of the American College of Cardiology*, **2016**, 68, 2287-2295	15.1	187
114	Advances in Echocardiographic Imaging in Heart Failure With Reduced and Preserved Ejection Fraction. *Circulation Research*, **2016**, 119, 357-74	15.7	43
113	Feature Tracking-Derived Peak Systolic Strain Compared to Late Gadolinium Enhancement in Troponin-Positive Myocarditis: A Case-Control Study. *Pediatric Cardiology*, **2016**, 37, 696-703	2.1	19
112	Self-Expanding Transcatheter Aortic Valve Replacement Versus Surgical Valve Replacement in Patients at High Risk for Surgery: A Study of Echocardiographic Change and Risk Prediction. *Circulation: Cardiovascular Interventions*, **2016**, 9,	6	31
111	IMAGING BASED BIG DATA AND MACHINE LEARNING FRAMEWORK FOR RAPID PHENOTYPING OF LEFT VENTRICULAR DIASTOLIC FUNCTION. *Journal of the American College of Cardiology*, **2016**, 67, 1614	15.1	4
110	Cognitive Machine-Learning Algorithm for Cardiac Imaging: A Pilot Study for Differentiating Constrictive Pericarditis From Restrictive Cardiomyopathy. *Circulation: Cardiovascular Imaging*, **2016** , 9,	3.9	114
109	Mobile technology and the digitization of healthcare. *European Heart Journal*, **2016**, 37, 1428-38	9.5	191

108	Multimodality Imaging Strategies for the Assessment of Aortic Stenosis: Viewpoint of the Heart Valve Clinic International Database (HAVEC) Group. *Circulation: Cardiovascular Imaging*, **2016**, 9, e004352	3.9	38
107	U.S. Hospital Use of Echocardiography: Insights From the Nationwide Inpatient Sample. *Journal of the American College of Cardiology*, **2016**, 67, 502-11	15.1	84
106	Sphingosine-1-Phosphate Receptor Agonist Fingolimod Increases Myocardial Salvage and Decreases Adverse Postinfarction Left Ventricular Remodeling in a Porcine Model of Ischemia/Reperfusion. *Circulation*, **2016**, 133, 954-66	16.7	127
105	Intraprocedural TAVR Annulus Sizing Using 3D TEE and the "Turnaround Rule". *JACC: Cardiovascular Imaging*, **2016**, 9, 213-5	8.4	8
104	Characterization and clinical significance of right ventricular mechanics in pulmonary hypertension evaluated with cardiovascular magnetic resonance feature tracking. *Journal of Cardiovascular Magnetic Resonance*, **2016**, 18, 39	6.9	66
103	Speckle Tracking Echocardiographic Imaging in Metabolic Cardiomyopathies. *Current Cardiovascular Imaging Reports*, **2016**, 9, 1	0.7	
102	The Future of Cardiac Imaging: Report of a Think Tank Convened by the American College of Cardiology. *JACC: Cardiovascular Imaging*, **2016**, 9, 1211-1223	8.4	24
101	Pulmonary hypertension in valvular disease: a comprehensive review on pathophysiology to therapy from the HAVEC Group. *JACC: Cardiovascular Imaging*, **2015**, 8, 83-99	8.4	85
100	AuthorsQreply. *Journal of the American Society of Echocardiography*, **2015**, 28, 375-6	5.8	
99	A Summary of the American Society of Echocardiography Foundation Value-Based Healthcare: Summit 2014: The Role of Cardiovascular Ultrasound in the New Paradigm. *Journal of the American Society of Echocardiography*, **2015**, 28, 755-69	5.8	10
98	Transthoracic echocardiography guidance for TAVR under monitored anesthesia care. *JACC: Cardiovascular Imaging*, **2015**, 8, 379-380	8.4	23
97	Reply: Valvular disease, myocardial mechanics, and valve guidelines. *JACC: Cardiovascular Imaging*, **2015**, 8, 383	8.4	
96	Fully Automated Versus Standard Tracking of Left Ventricular Ejection Fraction and Longitudinal Strain: The FAST-EFs Multicenter Study. *Journal of the American College of Cardiology*, **2015**, 66, 1456-66	15.1	118
95	Setting global standards in adult echocardiography: Where are we?. *Indian Heart Journal*, **2015**, 67, 298-306	1.0	1
94	Definitions for a common standard for 2D speckle tracking echocardiography: consensus document of the EACVI/ASE/Industry Task Force to standardize deformation imaging. *European Heart Journal Cardiovascular Imaging*, **2015**, 16, 1-11	4.1	541
93	Left ventricular twist and torsion: research observations and clinical applications. *Circulation: Cardiovascular Imaging*, **2015**, 8,	3.9	66
92	Tissue Tracking Technology for Assessing Cardiac Mechanics: Principles, Normal Values, and Clinical Applications. *JACC: Cardiovascular Imaging*, **2015**, 8, 1444-1460	8.4	236
91	Regression of Paravalvular Aortic Regurgitation and Remodeling of Self-Expanding Transcatheter Aortic Valve: An Observation From the CoreValve U.S. Pivotal Trial. *JACC: Cardiovascular Imaging*, **2015**, 8, 1364-1375	8.4	59

90	Value of interactive scanning for improving the outcome of new-learners in transcontinental tele-echocardiography (VISION-in-Tele-Echo) study. *Journal of the American Society of Echocardiography*, **2015**, 28, 75-87	5.8	25
89	Definitions for a common standard for 2D speckle tracking echocardiography: consensus document of the EACVI/ASE/Industry Task Force to standardize deformation imaging. *Journal of the American Society of Echocardiography*, **2015**, 28, 183-93	5.8	428
88	Myocardial mechanics in cardiomyopathies. *Progress in Cardiovascular Diseases*, **2014**, 57, 111-24	8.5	26
87	Effects of percutaneous balloon mitral valvuloplasty on left ventricular deformation in patients with isolated severe mitral stenosis: a speckle-tracking strain echocardiographic study. *Journal of the American Society of Echocardiography*, **2014**, 27, 639-47	5.8	37
86	LV mechanics in mitral and aortic valve diseases: value of functional assessment beyond ejection fraction. *JACC: Cardiovascular Imaging*, **2014**, 7, 1151-66	8.4	39
85	Left ventricular rotational mechanics before and after exercise in children. *Journal of the American Society of Echocardiography*, **2014**, 27, 1336-43	5.8	12
84	Characterization of right ventricular remodeling and failure in a chronic pulmonary hypertension model. *American Journal of Physiology - Heart and Circulatory Physiology*, **2014**, 307, H1204-15	5.2	74
83	Feasibility of intercity and trans-Atlantic telerobotic remote ultrasound: assessment facilitated by a nondedicated bandwidth connection. *JACC: Cardiovascular Imaging*, **2014**, 7, 804-9	8.4	23
82	Robot-assisted remote echocardiographic examination and teleconsultation: a randomized comparison of time to diagnosis with standard of care referral approach. *JACC: Cardiovascular Imaging*, **2014**, 7, 799-803	8.4	37
81	Three-dimensional principal strain analysis for characterizing subclinical changes in left ventricular function. *Journal of the American Society of Echocardiography*, **2014**, 27, 1041-1050.e1	5.8	50
80	Diagnostic concordance of echocardiography and cardiac magnetic resonance-based tissue tracking for differentiating constrictive pericarditis from restrictive cardiomyopathy. *Circulation: Cardiovascular Imaging*, **2014**, 7, 819-27	3.9	37
79	Assessment of longitudinal myocardial mechanics in patients with degenerative mitral valve regurgitation predicts postoperative worsening of left ventricular systolic function. *Journal of the American Society of Echocardiography*, **2014**, 27, 627-38	5.8	53
78	Detection of subclinical atherosclerosis in peripheral arterial beds with B-mode ultrasound: a proposal for guiding the decision for medical intervention and an artifact-corrected volumetric scoring index. *Global Heart*, **2014**, 9, 367-78	2.9	9
77	Standardized imaging for aortic annular sizing: implications for transcatheter valve selection. *JACC: Cardiovascular Imaging*, **2013**, 6, 249-62	8.4	179
76	Longitudinal and circumferential strain in patients with regional LV dysfunction. *Current Cardiology Reports*, **2013**, 15, 339	4.2	24
75	Contrast echocardiography for assessing left ventricular vortex strength in heart failure: a prospective cohort study. *European Heart Journal Cardiovascular Imaging*, **2013**, 14, 1049-60	4.1	81
74	Speckle tracking echocardiography derived 2-dimensional myocardial strain predicts left ventricular function and mass regression in aortic stenosis patients undergoing aortic valve replacement. *International Journal of Cardiovascular Imaging*, **2013**, 29, 797-808	2.5	22
73	Intelligent platforms for disease assessment: novel approaches in functional echocardiography. *JACC: Cardiovascular Imaging*, **2013**, 6, 1206-11	8.4	15

72	American Society of Echocardiography: Remote Echocardiography with Web-Based Assessments for Referrals at a Distance (ASE-REWARD) Study. *Journal of the American Society of Echocardiography*, **2013**, 26, 221-33	5.8	77
71	Valve-sparing aortic root replacement for rapidly growing multiple sinus of Valsalva pseudoaneurysms in a case of Behçet-like aortitis. *Annals of Thoracic Surgery*, **2013**, 96, e23	2.7	
70	CRT improves LV filling dynamics: insights from echocardiographic particle imaging velocimetry. *JACC: Cardiovascular Imaging*, **2013**, 6, 704-13	8.4	31
69	Effect of head-up tilt-table testing on left ventricular longitudinal strain in patients with neurocardiogenic syncope. *American Journal of Cardiology*, **2013**, 112, 1252-7	3	6
68	Severity of cardiomyopathy associated with adenine nucleotide translocator-1 deficiency correlates with mtDNA haplogroup. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 3453-8	11.5	76
67	Myocardial stretch in early systole is a key determinant of the synchrony of left ventricular mechanical activity in vivo. *Circulation Journal*, **2013**, 77, 2526-34	2.9	5
66	Rapid Screening for Subclinical Atherosclerosis by Carotid Ultrasound Examination: The HAPPY (Heart Attack Prevention Program for You) Substudy. *Global Heart*, **2013**, 8, 83-9	2.9	13
65	Pacing polarity and left ventricular mechanical activation sequence in cardiac resynchronization therapy. *Journal of Interventional Cardiac Electrophysiology*, **2012**, 35, 101-7	2.4	4
64	Cardiovascular imaging and diagnostic procedures in pregnancy. *Cardiology Clinics*, **2012**, 30, 331-41	2.5	19
63	Assessment of transmitral vortex formation in patients with diastolic dysfunction. *Journal of the American Society of Echocardiography*, **2012**, 25, 220-7	5.8	66
62	Novel Imaging Strategies for Cardiac Arrhythmias **2012**, 598-611		
61	Patent foramen ovale: the known and the to be known. *Journal of the American College of Cardiology*, **2012**, 59, 1665-71	15.1	64
60	Multiplanar visualization of blood flow using echocardiographic particle imaging velocimetry. *JACC: Cardiovascular Imaging*, **2012**, 5, 566-9	8.4	28
59	Emerging trends in CV flow visualization. *JACC: Cardiovascular Imaging*, **2012**, 5, 305-16	8.4	174
58	Intramyocardial hemorrhage after percutaneous coronary intervention. *Echocardiography*, **2012**, 29, E50-5	1.15	1
57	Functional strain-line pattern in the human left ventricle. *Physical Review Letters*, **2012**, 109, 048103	7.4	23
56	Relationship of contrast-enhanced magnetic resonance imaging-derived intramural scar distribution and speckle tracking echocardiography-derived left ventricular two-dimensional strains. *European Heart Journal Cardiovascular Imaging*, **2012**, 13, 152-8	4.1	26
55	Adenine nucleotide translocase 1 deficiency results in dilated cardiomyopathy with defects in myocardial mechanics, histopathological alterations, and activation of apoptosis. *JACC: Cardiovascular Imaging*, **2011**, 4, 1-10	8.4	42

54	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. *Journal of the American Society of Echocardiography*, **2011**, 24, 277-313	5.8	808
53	Myocardial deformation and rotational mechanics in revascularized single vessel disease patients 2 years after ST-elevation myocardial infarction. *Journal of Cardiovascular Medicine*, **2011**, 12, 635-42	1.9	15
52	Usefulness of two-dimensional and speckle tracking echocardiography in "Gray Zone" left ventricular hypertrophy to differentiate professional football player's heart from hypertrophic cardiomyopathy. *American Journal of Cardiology*, **2011**, 108, 1322-6	3	31
51	Left atrial reservoir function predicts atrial fibrillation recurrence after catheter ablation: a two-dimensional speckle strain study. *Journal of Interventional Cardiac Electrophysiology*, **2011**, 31, 197-206	2.4	66
50	Global left atrial strain correlates with CHADS2 risk score in patients with atrial fibrillation. *Journal of the American Society of Echocardiography*, **2011**, 24, 506-12	5.8	87
49	Tissue Doppler image-derived measurements during isovolumic contraction predict exercise capacity in patients with reduced left ventricular ejection fraction. *JACC: Cardiovascular Imaging*, **2010**, 3, 1-9	8.4	10
48	Takotsubo cardiomyopathy: a unique cardiomyopathy with variable ventricular morphology. *JACC: Cardiovascular Imaging*, **2010**, 3, 641-9	8.4	166
47	Natural history of left ventricular mechanics in transplanted hearts: relationships with clinical variables and genetic expression profiles of allograft rejection. *JACC: Cardiovascular Imaging*, **2010**, 3, 989-1000	8.4	63
46	Assessment of myocardial mechanics using speckle tracking echocardiography: fundamentals and clinical applications. *Journal of the American Society of Echocardiography*, **2010**, 23, 351-69; quiz 453-5	5.8	743
45	Left ventricular muscle and fluid mechanics in acute myocardial infarction. *American Journal of Cardiology*, **2010**, 106, 1404-9	3	17
44	Non-uniform recovery of left ventricular transmural mechanics in ST-segment elevation myocardial infarction. *Cardiovascular Ultrasound*, **2010**, 8, 31	2.4	10
43	Increase in the late diastolic filling force is associated with impaired transmitral flow efficiency in acute moderate elevation of left ventricular afterload. *Journal of Ultrasound in Medicine*, **2009**, 28, 175-82	2.9	8
42	Letter by Sengupta et al regarding article, "Mechanisms of preejection and postejection velocity spikes in left ventricular myocardium: interaction between wall deformation and valve events". *Circulation*, **2009**, 119, e204; author reply e205	16.7	
41	Hypertrophic obstructive cardiomyopathy and sleep-disordered breathing: an unfavorable combination. *Nature Clinical Practice Cardiovascular Medicine*, **2009**, 6, 14-5		23
40	Minimizing cardiotoxicity while optimizing treatment efficacy with trastuzumab: review and expert recommendations. *Oncologist*, **2009**, 14, 1-11	5.7	100
39	High prevalence of abnormal nocturnal oximetry in patients with hypertrophic cardiomyopathy. *Journal of the American College of Cardiology*, **2009**, 54, 1805-9	15.1	45
38	Role of left ventricular twist mechanics in the assessment of cardiac dyssynchrony in heart failure. *JACC: Cardiovascular Imaging*, **2009**, 2, 1425-35	8.4	39
37	Role of echocardiography in the diagnosis of constrictive pericarditis. *Journal of the American Society of Echocardiography*, **2009**, 22, 24-33; quiz 103-4	5.8	62

36	Impact of acute moderate elevation in left ventricular afterload on diastolic transmitral flow efficiency: analysis by vortex formation time. *Journal of the American Society of Echocardiography*, **2009**, 22, 427-31	5.8	31
35	Left ventricular transmural mechanics: tracking opportunities in-depth. *Journal of the American Society of Echocardiography*, **2009**, 22, 1022-4	5.8	6
34	Selective echocardiographic analysis of epicardial and endocardial left ventricular rotational mechanics in an animal model of pericardial adhesions. *European Journal of Echocardiography*, **2009**, 10, 357-62		24
33	Echocardiography in Heart Failure **2009**, 435-445		
32	Transesophageal Echocardiography: Principles and Application **2009**, 101-114		
31	Comparison of usefulness of tissue Doppler imaging versus brain natriuretic peptide for differentiation of constrictive pericardial disease from restrictive cardiomyopathy. *American Journal of Cardiology*, **2008**, 102, 357-62	3	27
30	Management of asymptomatic severe aortic stenosis. *Journal of the American College of Cardiology*, **2008**, 52, 1279-92	15.1	49
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