

Kenneth C Bilchick

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

3,171
citations

201385

27
h-index

161609

54
g-index

107
all docs

107
docs citations

107
times ranked

4260
citing authors

#	ARTICLE	IF	CITATIONS
1	Positional obstructive sleep apnea in patients with atrial fibrillation. <i>Sleep and Breathing</i> , 2023, 27, 487-494.	0.9	2
2	Relationship of ejection fraction and natriuretic peptide trajectories in heart failure with baseline reduced and mid-range ejection fraction. <i>American Heart Journal</i> , 2022, 243, 1-10.	1.2	5
3	Right atrial volume index to left atrial volume index ratio is associated with adverse clinical outcomes in cardiogenic shock. <i>Journal of Echocardiography</i> , 2022, 20, 42-50.	0.4	1
4	Increased left and right atrial volume indices are associated with decreased survival times post-cardiac arrest. <i>Resuscitation</i> , 2022, 170, 306-313.	1.3	3
5	A rapid electromechanical model to predict reverse remodeling following cardiac resynchronization therapy. <i>Biomechanics and Modeling in Mechanobiology</i> , 2022, 21, 231-247.	1.4	7
6	Defibrillator or No Defibrillator With CRT. <i>Journal of the American College of Cardiology</i> , 2022, 79, 679-681.	1.2	1
7	Reproducibility of global and segmental myocardial strain using cine DENSE at 3T: a multicenter cardiovascular magnetic resonance study in healthy subjects and patients with heart disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2022, 24, 23.	1.6	13
8	Utility of Ischemia Testing Prior to Ablation for Sustained Monomorphic Ventricular Tachycardia. <i>Journal of Innovations in Cardiac Rhythm Management</i> , 2022, 13, 4908-4914.	0.2	0
9	Association of colchicine use for acute gout with clinical outcomes in acute decompensated heart failure. <i>Clinical Cardiology</i> , 2022, 45, 733-741.	0.7	9
10	Systemic arterial pulsatility index (SAPi) predicts adverse outcomes in advanced heart failure patients. <i>Heart and Vessels</i> , 2022, 37, 1719-1727.	0.5	3
11	Machine learning for multidimensional response and survival after cardiac resynchronization therapy using features from cardiac magnetic resonance. <i>Heart Rhythm O2</i> , 2022, 3, 542-552.	0.6	6
12	Survival Probability and Survival Benefit Associated With Primary Prevention Implantable Cardioverter-Defibrillator Generator Changes. <i>Journal of the American Heart Association</i> , 2022, 11, .	1.6	2
13	Fully-automated global and segmental strain analysis of DENSE cardiovascular magnetic resonance using deep learning for segmentation and phase unwrapping. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 20.	1.6	21
14	Deep Networks To Automatically Detect Late-Activating Regions Of The Heart. , 2021, , .		1
15	Left atrial thickness and acute thermal injury in patients undergoing ablation for atrial fibrillation: Laser versus radiofrequency energies. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 1259-1267.	0.8	7
16	Suppression of artifact-generating echoes in cine DENSE using deep learning. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2095-2104.	1.9	4
17	MAGGIC, STS, and EuroSCORE II Risk Score Comparison After Aortic and Mitral Valve Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021, 35, 1806-1812.	0.6	6
18	The Influence of Obesity on the Association of Obstructive Sleep Apnea and Atrial Fibrillation. <i>Sleep Medicine Research</i> , 2021, 12, 50-56.	0.2	2

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19	Cardiac Magnetic Resonance Assessment of Response to Cardiac Resynchronization Therapy and Programming Strategies. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 2369-2383.	2.3	14
20	Pulmonary Artery Proportional Pulse Pressure (PAPP) Index Identifies Patients With Improved Survival From the CardioMEMS Implantable Pulmonary Artery Pressure Monitor. <i>Heart Lung and Circulation</i> , 2021, 30, 1389-1396.	0.2	4
21	The Future of Cardiac Magnetic Resonance Clinical Trials. <i>JACC: Cardiovascular Imaging</i> , 2021, , .	2.3	6
22	Cardiac resynchronization therapy reduces expression of inflammation-promoting genes related to interleukin-1 β in heart failure. <i>Cardiovascular Research</i> , 2020, 116, 1311-1322.	1.8	11
23	Modeling defibrillation benefit for survival among cardiac resynchronization therapy defibrillator recipients. <i>American Heart Journal</i> , 2020, 222, 93-104.	1.2	4
24	CMR DENSE and the Seattle Heart Failure Model Inform Survival and Arrhythmia Risk After CRT. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 924-936.	2.3	20
25	Electrocardiographic left atrial abnormality in patients presenting with ischemic stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2020, 29, 105086.	0.7	6
26	Off-label Use of Direct Oral Anticoagulants Compared With Warfarin for Left Ventricular Thrombi. <i>JAMA Cardiology</i> , 2020, 5, 685.	3.0	161
27	Daytime QT by Routine 12-Lead ECG Is Prolonged in Patients with Severe Obstructive Sleep Apnea. <i>Sleep Disorders</i> , 2020, 2020, 1-7.	0.8	5
28	Echocardiography-guided determination of reliable atrial pacing in a patient with congenital heart disease. <i>Heart Rhythm Case Reports</i> , 2020, 6, 445-447.	0.2	1
29	Increased Pulmonary-Systemic Pulse Pressure Ratio Is Associated With Increased Mortality in Group 1 Pulmonary Hypertension. <i>Heart Lung and Circulation</i> , 2019, 28, 1059-1066.	0.2	3
30	The use of non-invasive mapping in persistent AF to predict acute procedural outcome. <i>Journal of Electrocardiology</i> , 2019, 57, S21-S26.	0.4	5
31	Very late presentation in ST elevation myocardial infarction: Predictors and long-term mortality. <i>IJC Heart and Vasculature</i> , 2019, 22, 156-159.	0.6	23
32	Obstructive sleep apnea and electrocardiographic P-wave morphology. <i>Annals of Noninvasive Electrocardiology</i> , 2019, 24, e12639.	0.5	5
33	0857 The Influence of Obesity on the Association of Sleep Apnea and Atrial Fibrillation. <i>Sleep</i> , 2019, 42, A344-A344.	0.6	0
34	Haemodynamically Derived Pulmonary Artery Pulsatility Index Predicts Mortality in Pulmonary Arterial Hypertension. <i>Heart Lung and Circulation</i> , 2019, 28, 752-760.	0.2	24
35	Optimizing Resynchronization Programming With the Surface Electrocardiogram. <i>JACC: Clinical Electrophysiology</i> , 2018, 4, 190-192.	1.3	0
36	Long-term impact of intrathoracic impedance findings on survival and heart failure hospitalizations after cardiac resynchronization therapy in ICD Registry patients. <i>Europace</i> , 2018, 20, 1138-1145.	0.7	11

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37	Preoperative Invasive Hemodynamic Determinants of Survival Among Patients Undergoing Aortic or Mitral Valve Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2018, 32, 1273-1280.	0.6	3
38	Clinical Impact of Changes in Hemodynamic Indices of Contractile Function During Treatment of Acute Decompensated Heart Failure. <i>Journal of Cardiac Failure</i> , 2018, 24, 43-50.	0.7	16
39	Plasma Volume and Renal Function Predict Six-Month Survival after Hospitalization for Acute Decompensated Heart Failure. <i>CardioRenal Medicine</i> , 2018, 8, 61-70.	0.7	11
40	Right atrial to left atrial volume index ratio is associated with increased mortality in patients with pulmonary hypertension. <i>Echocardiography</i> , 2018, 35, 1729-1735.	0.3	10
41	Atrial Fibrillation and Objective Sleep Quality by Slow Wave Sleep. <i>Journal of Atrial Fibrillation</i> , 2018, 11, 2031.	0.5	9
42	Imaging left ventricular mechanical activation in heart failure patients using cine DENSE MRI: Validation and implications for cardiac resynchronization therapy. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 887-896.	1.9	30
43	Implantable Cardioverter-Defibrillators With Versus Without Resynchronization Therapy in Patients With a QRS Duration ≥ 180 ms. <i>Journal of the American College of Cardiology</i> , 2017, 69, 2026-2036.	1.2	13
44	Seattle Heart Failure and Proportional Risk Models Predict Benefit From Implantable Cardioverter-Defibrillators. <i>Journal of the American College of Cardiology</i> , 2017, 69, 2606-2618.	1.2	79
45	Decreased pulmonary arterial proportional pulse pressure is associated with increased mortality in group 1 pulmonary hypertension. <i>Clinical Cardiology</i> , 2017, 40, 988-992.	0.7	5
46	Decreased Pulmonary Arterial Proportional Pulse Pressure After Pulmonary Artery Catheter Optimization for Advanced Heart Failure Is Associated With Adverse Clinical Outcomes. <i>Journal of Cardiac Failure</i> , 2016, 22, 954-961.	0.7	11
47	Diastolic pulmonary gradient predicts outcomes in group 1 pulmonary hypertension (analysis of the Tj ETQq1 1 0.784314 rgBT /Over	1.3	15
48	Inhibition of pacing in a dependent patient with an implantable cardioverter-defibrillator and a left ventricular assist device. <i>HeartRhythm Case Reports</i> , 2016, 2, 473-477.	0.2	5
49	The Fault Is in Our Scars. <i>JACC: Cardiovascular Imaging</i> , 2016, 9, 1056-1058.	2.3	6
50	Comparison of heart deformation analysis and cine DENSE in volunteers and heart failure patients. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, P45.	1.6	0
51	Cine DENSE MRI of mechanical activation in heart failure patients referred for cardiac resynchronization therapy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, P215.	1.6	0
52	Effectiveness of integrating delayed computed tomography angiography imaging for left atrial appendage thrombus exclusion into the care of patients undergoing ablation of atrial fibrillation. <i>Heart Rhythm</i> , 2016, 13, 12-19.	0.3	45
53	Accelerated and navigator-gated look-locker imaging for cardiac T1 estimation (ANGIE): Development and application to T1 mapping of the right ventricle. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 150-160.	1.9	55
54	Detection of elevated right ventricular extracellular volume in pulmonary hypertension using Accelerated and Navigator-Gated Look-Locker Imaging for Cardiac T1 Estimation (ANGIE) cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 110.	1.6	56

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55	Singular Value Decomposition Applied to Cardiac Strain from MR Imaging for Selection of Optimal Cardiac Resynchronization Therapy Candidates. <i>Radiology</i> , 2015, 275, 413-420.	3.6	24
56	High-resolution T1 mapping with ANGLE detects increased right-ventricular extracellular volume fraction in patients with pulmonary arterial hypertension. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, O39.	1.6	1
57	Cardiac mechanical activation mapping in heart failure patients with left bundle branch block using cine DENSE MRI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, O43.	1.6	1
58	Major Complications and Mortality Within 30 Days of an Electrophysiological Procedure at an Academic Medical Center: Implications for Developing National Standards. <i>Journal of Cardiovascular Electrophysiology</i> , 2015, 26, 527-531.	0.8	16
59	Cost of a Recall of a Single-Center Experience Managing the Riata Defibrillator Lead. <i>American Journal of Cardiology</i> , 2015, 115, 206-208.	0.7	1
60	An Unexpected Intracardiac Echocardiography Finding on the Cavotricuspid Isthmus. <i>Journal of Cardiovascular Electrophysiology</i> , 2014, 25, 444-444.	0.8	0
61	Postprocedure Mapping of Cardiac Resynchronization Lead Position Using Standard Fluoroscopy Systems: Implications for the Nonresponder with Scar. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2014, 37, 757-767.	0.5	6
62	Simplified post processing of cine DENSE cardiovascular magnetic resonance for quantification of cardiac mechanics. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, 94.	1.6	15
63	Comparative Effectiveness of Cardiac Resynchronization Therapy in Combination With Implantable Defibrillator in Patients With Heart Failure and Wide QRS Duration. <i>American Journal of Cardiology</i> , 2014, 114, 1537-1542.	0.7	1
64	Does Cardiac Resynchronization Therapy Benefit Patients With Right Bundle Branch Block. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014, 7, 543-552.	2.1	8
65	Usefulness of Pharmacologic Conversion of Atrial Fibrillation During Dofetilide Loading Without the Need for Electrical Cardioversion to Predict Durable Response to Therapy. <i>American Journal of Cardiology</i> , 2014, 113, 475-479.	0.7	13
66	Impact of Mechanical Activation, Scar, and Electrical Timing on Cardiac Resynchronization Therapy Response and Clinical Outcomes. <i>Journal of the American College of Cardiology</i> , 2014, 63, 1657-1666.	1.2	123
67	Increasing lead burden correlates with externalized cables during systematic fluoroscopic screening of Riata leads. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2013, 37, 63-68.	0.6	8
68	The complexities of resynchronizing scar. <i>Journal of Nuclear Cardiology</i> , 2013, 20, 966-968.	1.4	1
69	Impact of the CHA2DS2-VASc Score on Anticoagulation Recommendations for Atrial Fibrillation. <i>American Journal of Medicine</i> , 2012, 125, 603.e1-603.e6.	0.6	107
70	How to achieve durable pulmonary vein isolation: Use the force. <i>Heart Rhythm</i> , 2012, 9, 1796-1797.	0.3	0
71	Prediction of Mortality in Clinical Practice for Medicare Patients Undergoing Defibrillator Implantation for Primary Prevention of Sudden Cardiac Death. <i>Journal of the American College of Cardiology</i> , 2012, 60, 1647-1655.	1.2	162
72	Integration of CMR Scar Imaging and Electroanatomic Mapping. <i>JACC: Cardiovascular Imaging</i> , 2012, 5, 211-213.	2.3	6

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73	MR Cine DENSE Dyssynchrony Parameters for the Evaluation of Heart Failure. JACC: Cardiovascular Imaging, 2012, 5, 789-797.	2.3	36
74	Dyssynchrony Evaluation: MRI and CCT. , 2012, , 233-250.		0
75	Sonication of Explanted Cardiac Rhythm Management Devices for the Diagnosis of Pocket Infections and Asymptomatic Bacterial Colonization. PACE - Pacing and Clinical Electrophysiology, 2011, 34, 143-149.	0.5	49
76	Initial Experience of Sequential Surgical Epicardial-Catheter Endocardial Ablation for Persistent and Long-Standing Persistent Atrial Fibrillation With Long-Term Follow-Up. Annals of Thoracic Surgery, 2011, 91, 1890-1898.	0.7	141
77	Single photon emission computed tomography (SPECT) techniques for resynchronization: Phase analysis and equilibrium radionuclide angiocardiology. Journal of Nuclear Cardiology, 2011, 18, 16-20.	1.4	1
78	Prevalence and distribution of regional scar in dysfunctional myocardial segments in Duchenne muscular dystrophy. Journal of Cardiovascular Magnetic Resonance, 2011, 13, 20.	1.6	33
79	Response to Letters Regarding Article, "Bundle-Branch Block Morphology and Other Predictors of Outcome After Cardiac Resynchronization Therapy in Medicare Patients." Circulation, 2011, 124, .	1.6	0
80	MR cine DENSE imaging demonstrates more effective identification of dyssynchrony in heart failure with circumferential and longitudinal strain versus radial strain. Journal of Cardiovascular Magnetic Resonance, 2010, 12, .	1.6	0
81	Bundle-Branch Block Morphology and Other Predictors of Outcome After Cardiac Resynchronization Therapy in Medicare Patients. Circulation, 2010, 122, 2022-2030.	1.6	221
82	Intermittent inhibition of biventricular pacing in a cardiac resynchronization therapy defibrillator. Heart Rhythm, 2010, 7, 1910-1912.	0.3	1
83	Gender and Racial Characteristics of Patients Referred to a Tertiary Atrial Fibrillation Center. Journal of Atrial Fibrillation, 2010, 2, .	0.5	0
84	Long- and Short-Term Temporal Stability of Complex Fractionated Atrial Electrograms in Human Left Atrium During Atrial Fibrillation. Journal of Cardiovascular Electrophysiology, 2009, 20, 13-21.	0.8	39
85	Cine DENSE MRI for circumferential and radial dyssynchrony in patients referred for cardiac resynchronization therapy. Journal of Cardiovascular Magnetic Resonance, 2009, 11, .	1.6	1
86	Cardiac resynchronization therapy: Application of imaging to optimize patient selection and assess response. Current Heart Failure Reports, 2008, 5, 119-127.	1.3	9
87	Real-time fast strain-encoded magnetic resonance imaging to evaluate regional myocardial function at 3.0 Tesla: Comparison to conventional tagging. Journal of Magnetic Resonance Imaging, 2008, 27, 1012-1018.	1.9	68
88	Effects of Surgical and Endoscopic Electrocautery on Modern-Day Permanent Pacemaker and Implantable Cardioverter-Defibrillator Systems. PACE - Pacing and Clinical Electrophysiology, 2008, 31, 344-350.	0.5	64
89	Cardiac Magnetic Resonance Assessment of Dyssynchrony and Myocardial Scar Predicts Function Class Improvement Following Cardiac Resynchronization Therapy. JACC: Cardiovascular Imaging, 2008, 1, 561-568.	2.3	200
90	Heart failure-associated alterations in troponin I phosphorylation impair ventricular relaxation-afterload and force-frequency responses and systolic function. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H318-H325.	1.5	53

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91	Change in H-H ² interval during intrahisian block: What is the mechanism?. Heart Rhythm, 2007, 4, 104-105.	0.3	0
92	Computed tomography image-guided catheter ablation of a focal atrial tachycardia from the noncoronary sinus of Valsalva. Heart Rhythm, 2007, 4, 1582.	0.3	3
93	Impact of Heart Rhythm Status on Registration Accuracy of the Left Atrium for Catheter Ablation of Atrial Fibrillation. Journal of Cardiovascular Electrophysiology, 2007, 18, 1269-1276.	0.8	143
94	Coming Full Circle: Contouring the Right Ventricle in Arrhythmogenic Right Ventricular Dysplasia/Cardiomyopathy. Journal of Cardiovascular Electrophysiology, 2007, 19, 071004055652008-???.	0.8	0
95	Incidence and Time Course of Early Recovery of Pulmonary Vein Conduction after Catheter Ablation of Atrial Fibrillation. Journal of Cardiovascular Electrophysiology, 2007, 18, 387-391.	0.8	152
96	Circumferential Ablation With Pulmonary Vein Isolation in Permanent Atrial Fibrillation. American Journal of Cardiology, 2007, 99, 1425-1428.	0.7	60
97	Physiology of biventricular pacing. Current Cardiology Reports, 2007, 9, 358-365.	1.3	28
98	Differential regional gene expression from cardiac dyssynchrony induced by chronic right ventricular free wall pacing in the mouse. Physiological Genomics, 2006, 26, 109-115.	1.0	31
99	Use of a Coronary Sinus Lead and Biventricular ICD to Correct a Sensing Abnormality in a Patient with Arrhythmogenic Right Ventricular Dysplasia/Cardiomyopathy. Journal of Cardiovascular Electrophysiology, 2006, 17, 317-320.	0.8	15
100	Heart Rate Variability. Journal of Cardiovascular Electrophysiology, 2006, 17, 691-694.	0.8	146
101	Temporal repolarization lability differences among genotyped patients with the long QT syndrome. American Journal of Cardiology, 2004, 94, 1312-1316.	0.7	31
102	Treatment of hyperlipidemia in cardiac transplant recipients. American Heart Journal, 2004, 148, 200-210.	1.2	56
103	Paradoxical physical findings described by Kussmaul: pulsus paradoxus and Kussmaul's sign. Lancet, The, 2002, 359, 1940-1942.	6.3	91
104	Prognostic value of heart rate variability in chronic congestive heart failure (Veterans Affairs TM) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2 Cardiology, 2002, 90, 24-28.	0.7	239
105	A Slice ^{Low} Rank Plus Sparse ($\langle \text{slice} \rangle \hat{A} + \hat{S}$) Reconstruction Method for $\langle \text{MRI} \rangle$ Undersampled Multiband First ^{Pass} Myocardial Perfusion $\langle \text{MRI} \rangle$. Magnetic Resonance in Medicine, 0, , .	1.9	2
106	Academic cardiac electrophysiologists TM perspectives on sleep apnea care. Sleep and Breathing, 0, , .	0.9	0