

Kenneth C Bilchick

List of Publications by Year in descending order

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106
papers

3,171
citations

201674

27
h-index

161849

54
g-index

107
all docs

107
docs citations

107
times ranked

4260
citing authors

#	ARTICLE	IF	CITATIONS
1	Prognostic value of heart rate variability in chronic congestive heart failure (Veterans Affairs™) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Cardiology, 2002, 90, 24-28.	1.6	239
2	Bundle-Branch Block Morphology and Other Predictors of Outcome After Cardiac Resynchronization Therapy in Medicare Patients. Circulation, 2010, 122, 2022-2030.	1.6	221
3	Cardiac Magnetic Resonance Assessment of Dyssynchrony and Myocardial Scar Predicts Function Class Improvement Following Cardiac Resynchronization Therapy. JACC: Cardiovascular Imaging, 2008, 1, 561-568.	5.3	200
4	Prediction of Mortality in Clinical Practice for Medicare Patients Undergoing Defibrillator Implantation for Primary Prevention of Sudden Cardiac Death. Journal of the American College of Cardiology, 2012, 60, 1647-1655.	2.8	162
5	Off-label Use of Direct Oral Anticoagulants Compared With Warfarin for Left Ventricular Thrombi. JAMA Cardiology, 2020, 5, 685.	6.1	161
6	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.	1.7	152
7	Heart Rate Variability. Journal of Cardiovascular Electrophysiology, 2006, 17, 691-694.	1.7	146
8	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.	1.7	143
9	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.	1.3	141
10	Impact of Mechanical Activation, Scar, and Electrical Timing on Cardiac Resynchronization Therapy Response and Clinical Outcomes. Journal of the American College of Cardiology, 2014, 63, 1657-1666.	2.8	123
11	Impact of the CHA2DS2-VASc Score on Anticoagulation Recommendations for Atrial Fibrillation. American Journal of Medicine, 2012, 125, 603.e1-603.e6.	1.5	107
12	Paradoxical physical findings described by Kussmaul: pulsus paradoxus and Kussmaul's sign. Lancet, The, 2002, 359, 1940-1942.	13.7	91
13	Seattle Heart Failure and Proportional Risk Models Predict Benefit From Implantable Cardioverter-Defibrillators. Journal of the American College of Cardiology, 2017, 69, 2606-2618.	2.8	79
14	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.	3.4	68
15	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.	1.2	64
16	Circumferential Ablation With Pulmonary Vein Isolation in Permanent Atrial Fibrillation. American Journal of Cardiology, 2007, 99, 1425-1428.	1.6	60
17	Treatment of hyperlipidemia in cardiac transplant recipients. American Heart Journal, 2004, 148, 200-210.	2.7	56
18	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. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 110.	3.3	56

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19	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.	3.0	55
20	Heart failure-associated alterations in troponin I phosphorylation impair ventricular relaxation-afterload and force-frequency responses and systolic function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H318-H325.	3.2	53
21	Sonication of Explanted Cardiac Rhythm Management Devices for the Diagnosis of Pocket Infections and Asymptomatic Bacterial Colonization. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2011, 34, 143-149.	1.2	49
22	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.	0.7	45
23	Long- and Short-Term Temporal Stability of Complex Fractionated Atrial Electrograms in Human Left Atrium During Atrial Fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2009, 20, 13-21.	1.7	39
24	MR Cine DENSE Dyssynchrony Parameters for the Evaluation of Heart Failure. <i>JACC: Cardiovascular Imaging</i> , 2012, 5, 789-797.	5.3	36
25	Prevalence and distribution of regional scar in dysfunctional myocardial segments in Duchenne muscular dystrophy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011, 13, 20.	3.3	33
26	Temporal repolarization lability differences among genotyped patients with the long QT syndrome. <i>American Journal of Cardiology</i> , 2004, 94, 1312-1316.	1.6	31
27	Differential regional gene expression from cardiac dyssynchrony induced by chronic right ventricular free wall pacing in the mouse. <i>Physiological Genomics</i> , 2006, 26, 109-115.	2.3	31
28	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.	3.4	30
29	Physiology of biventricular pacing. <i>Current Cardiology Reports</i> , 2007, 9, 358-365.	2.9	28
30	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.	7.3	24
31	Haemodynamically Derived Pulmonary Artery Pulsatility Index Predicts Mortality in Pulmonary Arterial Hypertension. <i>Heart Lung and Circulation</i> , 2019, 28, 752-760.	0.4	24
32	Very late presentation in ST elevation myocardial infarction: Predictors and long-term mortality. <i>IJC Heart and Vasculature</i> , 2019, 22, 156-159.	1.1	23
33	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.	3.3	21
34	CMR DENSE and the Seattle-Heart-Failure-Model Inform Survival and Arrhythmia Risk After CRT. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 924-936.	5.3	20
35	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.	1.7	16
36	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.	1.7	16

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37	Use of a Coronary Sinus Lead and Biventricular ICD to Correct a Sensing Abnormality in a Patient with Arrhythmogenic Right Ventricular Dysplasia/Cardiomyopathy. <i>Journal of Cardiovascular Electrophysiology</i> , 2006, 17, 317-320.	1.7	15
38	Simplified post processing of cine DENSE cardiovascular magnetic resonance for quantification of cardiac mechanics. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, 94.	3.3	15
39	Diastolic pulmonary gradient predicts outcomes in group 1 pulmonary hypertension (analysis of the Tj ETQq1 1 0.784314 rgBT /Over	2.9	15
40	Cardiac Magnetic Resonance Assessment of Response to Cardiac Resynchronization Therapy and Programming Strategies. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 2369-2383.	5.3	14
41	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.	1.6	13
42	Implantable Cardioverter-Defibrillators With Versus Without Resynchronization Therapy in Patients With a QRS Duration \geq 180 ms. <i>Journal of the American College of Cardiology</i> , 2017, 69, 2026-2036.	2.8	13
43	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.	3.3	13
44	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.	1.7	11
45	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.	1.7	11
46	Plasma Volume and Renal Function Predict Six-Month Survival after Hospitalization for Acute Decompensated Heart Failure. <i>CardioRenal Medicine</i> , 2018, 8, 61-70.	1.9	11
47	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.	3.8	11
48	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.	0.9	10
49	Cardiac resynchronization therapy: Application of imaging to optimize patient selection and assess response. <i>Current Heart Failure Reports</i> , 2008, 5, 119-127.	3.3	9
50	Atrial Fibrillation and Objective Sleep Quality by Slow Wave Sleep. <i>Journal of Atrial Fibrillation</i> , 2018, 11, 2031.	0.5	9
51	Association of colchicine use for acute gout with clinical outcomes in acute decompensated heart failure. <i>Clinical Cardiology</i> , 2022, 45, 733-741.	1.8	9
52	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.	1.3	8
53	Does Cardiac Resynchronization Therapy Benefit Patients With Right Bundle Branch Block. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014, 7, 543-552.	4.8	8
54	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.	1.7	7

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55	A rapid electromechanical model to predict reverse remodeling following cardiac resynchronization therapy. <i>Biomechanics and Modeling in Mechanobiology</i> , 2022, 21, 231-247.	2.8	7
56	Integration of CMR Scar Imaging and Electroanatomic Mapping. <i>JACC: Cardiovascular Imaging</i> , 2012, 5, 211-213.	5.3	6
57	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.	1.2	6
58	The Fault Is in Our Scars. <i>JACC: Cardiovascular Imaging</i> , 2016, 9, 1056-1058.	5.3	6
59	Electrocardiographic left atrial abnormality in patients presenting with ischemic stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2020, 29, 105086.	1.6	6
60	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.	1.3	6
61	The Future of Cardiac Magnetic Resonance Clinical Trials. <i>JACC: Cardiovascular Imaging</i> , 2021, , .	5.3	6
62	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.	1.7	6
63	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.	0.4	5
64	Decreased pulmonary arterial proportional pulse pressure is associated with increased mortality in group 1 pulmonary hypertension. <i>Clinical Cardiology</i> , 2017, 40, 988-992.	1.8	5
65	The use of non-invasive mapping in persistent AF to predict acute procedural outcome. <i>Journal of Electrocardiology</i> , 2019, 57, S21-S26.	0.9	5
66	Obstructive sleep apnea and electrocardiographic P-wave morphology. <i>Annals of Noninvasive Electrocardiology</i> , 2019, 24, e12639.	1.1	5
67	Daytime QT by Routine 12-Lead ECG Is Prolonged in Patients with Severe Obstructive Sleep Apnea. <i>Sleep Disorders</i> , 2020, 2020, 1-7.	1.4	5
68	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.	2.7	5
69	Modeling defibrillation benefit for survival among cardiac resynchronization therapy defibrillator recipients. <i>American Heart Journal</i> , 2020, 222, 93-104.	2.7	4
70	Suppression of artifact-generating echoes in cine DENSE using deep learning. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2095-2104.	3.0	4
71	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.	0.4	4
72	Computed tomography image-guided catheter ablation of a focal atrial tachycardia from the noncoronary sinus of Valsalva. <i>Heart Rhythm</i> , 2007, 4, 1582.	0.7	3

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73	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.	1.3	3
74	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.	0.4	3
75	Increased left and right atrial volume indices are associated with decreased survival times post-cardiac arrest. <i>Resuscitation</i> , 2022, 170, 306-313.	3.0	3
76	Systemic arterial pulsatility index (SAPi) predicts adverse outcomes in advanced heart failure patients. <i>Heart and Vessels</i> , 2022, 37, 1719-1727.	1.2	3
77	The Influence of Obesity on the Association of Obstructive Sleep Apnea and Atrial Fibrillation. <i>Sleep Medicine Research</i> , 2021, 12, 50-56.	0.6	2
78	Positional obstructive sleep apnea in patients with atrial fibrillation. <i>Sleep and Breathing</i> , 2023, 27, 487-494.	1.7	2
79	A Sliceâ€Lowâ€Rank Plus Sparse (slice^{L}) Reconstruction Method for kâ€ Undersampled Multiband Firstâ€Pass Myocardial Perfusion MRI^{L} . <i>Magnetic Resonance in Medicine</i> , 0, , .	3.0	2
80	Survival Probability and Survival Benefit Associated With Primary Prevention Implantable Cardioverterâ€Defibrillator Generator Changes. <i>Journal of the American Heart Association</i> , 2022, 11, .	3.7	2
81	Cine DENSE MRI for circumferential and radial dyssynchrony in patients referred for cardiac resynchronization therapy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009, 11, .	3.3	1
82	Intermittent inhibition of biventricular pacing in a cardiac resynchronization therapy defibrillator. <i>Heart Rhythm</i> , 2010, 7, 1910-1912.	0.7	1
83	Single photon emission computed tomography (SPECT) techniques for resynchronization: Phase analysis and equilibrium radionuclide angiocardiology. <i>Journal of Nuclear Cardiology</i> , 2011, 18, 16-20.	2.1	1
84	The complexities of resynchronizing scar. <i>Journal of Nuclear Cardiology</i> , 2013, 20, 966-968.	2.1	1
85	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.	1.6	1
86	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.	3.3	1
87	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.	3.3	1
88	Cost of a Recall of a Single-Center Experience Managing the Riata Defibrillator Lead. <i>American Journal of Cardiology</i> , 2015, 115, 206-208.	1.6	1
89	Deep Networks To Automatically Detect Late-Activating Regions Of The Heart. , 2021, , .		1
90	Echocardiography-guided determination of reliable atrial pacing in a patient with congenital heart disease. <i>HeartRhythm Case Reports</i> , 2020, 6, 445-447.	0.4	1

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91	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.	0.8	1
92	Defibrillator or No Defibrillator With CRT. <i>Journal of the American College of Cardiology</i> , 2022, 79, 679-681.	2.8	1
93	Change in H-H ² interval during intrahisian block: What is the mechanism?. <i>Heart Rhythm</i> , 2007, 4, 104-105.	0.7	0
94	Coming Full Circle: Contouring the Right Ventricle in Arrhythmogenic Right Ventricular Dysplasia/Cardiomyopathy. <i>Journal of Cardiovascular Electrophysiology</i> , 2007, 19, 071004055652008-???	1.7	0
95	MR cine DENSE imaging demonstrates more effective identification of dyssynchrony in heart failure with circumferential and longitudinal strain versus radial strain. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2010, 12, .	3.3	0
96	Response to Letters Regarding Article, "Bundle-Branch Block Morphology and Other Predictors of Outcome After Cardiac Resynchronization Therapy in Medicare Patients". <i>Circulation</i> , 2011, 124, .	1.6	0
97	How to achieve durable pulmonary vein isolation: Use the force. <i>Heart Rhythm</i> , 2012, 9, 1796-1797.	0.7	0
98	An Unexpected Intracardiac Echocardiography Finding on the Cavotricuspid Isthmus. <i>Journal of Cardiovascular Electrophysiology</i> , 2014, 25, 444-444.	1.7	0
99	Comparison of heart deformation analysis and cine DENSE in volunteers and heart failure patients. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, P45.	3.3	0
100	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.	3.3	0
101	Optimizing Resynchronization Programming With the Surface Electrocardiogram. <i>JACC: Clinical Electrophysiology</i> , 2018, 4, 190-192.	3.2	0
102	0857 The Influence of Obesity on the Association of Sleep Apnea and Atrial Fibrillation. <i>Sleep</i> , 2019, 42, A344-A344.	1.1	0
103	Gender and Racial Characteristics of Patients Referred to a Tertiary Atrial Fibrillation Center. <i>Journal of Atrial Fibrillation</i> , 2010, 2, .	0.5	0
104	Dyssynchrony Evaluation: MRI and CCT. , 2012, , 233-250.		0
105	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.	0.5	0
106	Academic cardiac electrophysiologists'™ perspectives on sleep apnea care. <i>Sleep and Breathing</i> , 0, , .	1.7	0