Mehmet K Aktas

List of Publications by Year
in descending order

118 papers	2,478 citations	279798 23 h-index	276875 41 g-index
125 all docs	125 docs citations	125 times ranked	3362 citing authors

#	Article	IF	Citations
1	Health Monitoring and Management Using Internet-of-Things (IoT) Sensing with Cloud-Based Processing: Opportunities and Challenges. , 2015, , .		490
2	Global Risk Scores and Exercise Testing for Predicting All-Cause Mortality in a Preventive Medicine Program. JAMA - Journal of the American Medical Association, 2004, 292, 1462.	7.4	156
3	ISHNE/EHRA expert consensus on remote monitoring of cardiovascular implantable electronic devices (CIEDs). Europace, 2012, 14, 278-293.	1.7	156
4	Predictors of Device-Related Thrombus Following Percutaneous Left Atrial AppendageÂOcclusion. Journal of the American College of Cardiology, 2021, 78, 297-313.	2.8	106
5	Emerging Security Mechanisms for Medical Cyber Physical Systems. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2016, 13, 401-416.	3.0	97
6	Kinetics of Cisplatin Binding to Cellular DNA and Modulations by Thiol-Blocking Agents and Thiol Drugs. Drug Metabolism and Disposition, 2002, 30, 183-190.	3.3	93
7	Risk of Mortality for Ventricular Arrhythmia in Ambulatory LVAD Patients. Journal of Cardiovascular Electrophysiology, 2012, 23, 515-520.	1.7	84
8	Predicted benefit of an implantable cardioverter-defibrillator: the MADIT-ICD benefit score. European Heart Journal, 2021, 42, 1676-1684.	2.2	61
9	Effect of cardiac resynchronization therapy with implantable cardioverter defibrillator versus cardiac resynchronization therapy withÂpacemaker on mortality in heart failure patients: results of a highâ€volume, singleâ€centre experience. European Journal of Heart Failure, 2014, 16, 1323-1330.	7.1	55
10	Ranolazine in High-Risk Patients With Implanted Cardioverter-Defibrillators. Journal of the American College of Cardiology, 2018, 72, 636-645.	2.8	55
11	Predictors and clinical relevance of ventricular tachyarrhythmias in ambulatory patients with a continuous flow left ventricular assist device. Heart Rhythm, 2016, 13, 1052-1056.	0.7	53
12	Review of Complementary and Alternative Medical Treatment of Arrhythmias. American Journal of Cardiology, 2014, 113, 897-903.	1.6	52
13	Cloudâ€Based Privacyâ€Preserving Remote ECG Monitoring and Surveillance. Annals of Noninvasive Electrocardiology, 2015, 20, 328-337.	1.1	52
14	Assessment of cloud-based health monitoring using Homomorphic Encryption. , 2013, , .		50
15	Association Between Frequency of Atrial and Ventricular Ectopic Beats and Biventricular Pacing Percentage and Outcomes in Patients With Cardiac Resynchronization Therapy. Journal of the American College of Cardiology, 2014, 64, 971-981.	2.8	50
16	â€œQT clockâ€•to improve detection of QT prolongation in long QT syndrome patients. Heart Rhythm, 2016, 13, 190-198.	0.7	42
17	Time-Dependent Risk of Fidelis Lead Failure. American Journal of Cardiology, 2010, 105, 95-99.	1.6	41
18	Endâ€ofâ€Life Care in Patients with Implantable Cardioverter Defibrillators: A MADITâ€II Substudy. PACE - Pacing and Clinical Electrophysiology, 2013, 36, 1273-1279.	1.2	41

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19	The perceived role of Islam in immigrant Muslim medical practice within the USA: an exploratory qualitative study. Journal of Medical Ethics, 2008, 34, 365-369.	1.8	36
20	Clinical Impact, Safety, and Efficacy of Singleâ€•versus Dualâ€Coil ICD Leads in MADITâ€CRT. Journal of Cardiovascular Electrophysiology, 2013, 24, 1246-1252.	1.7	36
21	ISHNE/EHRA Expert Consensus on Remote Monitoring of Cardiovascular Implantable Electronic Devices (CIEDs). Annals of Noninvasive Electrocardiology, 2012, 17, 36-56.	1.1	30
22	Dofetilide-Induced Long QT and Torsades de Pointes. Annals of Noninvasive Electrocardiology, 2007, 12, 197-202.	1.1	27
23	Clinical predictors of survival in patients treated with therapeutic hypothermia following cardiac arrest. Resuscitation, 2010, 81, 1621-1626.	3.0	26
24	Congenital Long and Short QT Syndromes. Cardiology, 2012, 122, 237-247.	1.4	26
25	An Open Source ECG Clock Generator for Visualization of Long-Term Cardiac Monitoring Data. IEEE Access, 2015, 3, 2704-2714.	4.2	25
26	Novel ICD Programming and Inappropriate ICD Therapy in CRT-D Versus ICD Patients. Circulation: Arrhythmia and Electrophysiology, 2016, 9, e001965.	4.8	25
27	Reduced risk of lifeâ€threatening ventricular tachyarrhythmias with cardiac resynchronization therapy: relationship to left ventricular ejection fraction. European Journal of Heart Failure, 2015, 17, 971-978.	7.1	23
28	Effect of Biventricular Pacing During a Ventricular Sensed Event. American Journal of Cardiology, 2009, 103, 1741-1745.	1.6	22
29	Physicians' knowledge and attitudes regarding implantable cardioverter-defibrillators. Cardiology Journal, 2010, 17, 267-73.	1.2	21
30	Survival After Implantable Cardioverter-Defibrillator Shocks. Journal of the American College of Cardiology, 2021, 77, 2453-2462.	2.8	20
31	Higher Rate of Recurrent Atrial Flutter and Atrial Fibrillation Following Atrial Flutter Ablation After Cardiac Surgery. Journal of Cardiovascular Electrophysiology, 2010, 21, 760-765.	1.7	18
32	The Impact of Nonsustained Ventricular Tachycardia on Reverse Remodeling, Heart Failure, and Treated Ventricular Tachyarrhythmias in MADITâ€CRT. Journal of Cardiovascular Electrophysiology, 2014, 25, 1082-1087.	1.7	17
33	Effect of defibrillation threshold testing on heart failure hospitalization or death in the Multicenter Automatic Defibrillator Implantation Trialâ€“Cardiac Resynchronization Therapy (MADIT-CRT). Heart Rhythm, 2013, 10, 193-199.	0.7	16
34	Visualization of Health Monitoring Data Acquired from Distributed Sensors for Multiple Patients. , 2015, , .		15
35	Predictors of Atrial Fibrillation During Longâ€Term Implantable Cardiac Monitoring Following Cryptogenic Stroke. Journal of the American Heart Association, 2020, 9, e016040.	3.7	15
36	Comparison of Age (<75ÂYears Versus â‰¥75ÂYears) to Risk of Ventricular Tachyarrhythmias and Implantable Cardioverter Defibrillator Shocks (from the Multicenter Automatic Defibrillator) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td 114, 1855-1860.	1.6	14

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37	Effect of obesity on the effectiveness of cardiac resynchronization to reduce the risk of first and recurrent ventricular tachyarrhythmia events. Cardiovascular Diabetology, 2016, 15, 93.	6.8	14
38	Cardiac resynchronization therapy and ventricular tachyarrhythmia burden. Heart Rhythm, 2021, 18, 762-769.	0.7	14
39	Right Ventricular Dysfunction and the Incidence of Implantable Cardioverterâ€Defibrillator Therapies. PACE - Pacing and Clinical Electrophysiology, 2009, 32, 1501-1508.	1.2	12
40	The Effect of Weight Loss on Clinical Outcomes in Patients Implanted With a Cardiac Resynchronization Therapy Deviceâ€"A MADIT-CRT Substudy. Journal of Cardiac Failure, 2014, 20, 183-189.	1.7	12
41	Postimplantation ventricular ectopic burden and clinical outcomes in cardiac resynchronization therapyâ€defibrillator patients: a <scp>MADIT</scp>â€<scp>CRT</scp> substudy. Annals of Noninvasive Electrocardiology, 2018, 23, e12491.	1.1	12
42	Arrhythmic and Mortality Outcomes Among Ischemic Versus Nonischemic Cardiomyopathy Patients Receiving Primary ICD Therapy. JACC: Clinical Electrophysiology, 2022, 8, 1-11.	3.2	12
43	Bipolar left ventricular pacing is associated with significant reduction in heart failure or death in CRT-D patients with LBBB. Heart Rhythm, 2016, 13, 1468-1474.	0.7	11
44	Prognostic Significance of Heart Rate Variability Among Patients Treated With Cardiac Resynchronization Therapy. JACC: Clinical Electrophysiology, 2015, 1, 74-80.	3.2	10
45	CIED malfunction in patients receiving radiation is a rare event that could be detected by remote monitoring. Journal of Cardiovascular Electrophysiology, 2018, 29, 1268-1275.	1.7	10
46	Surgical atrial fibrillation ablation: a review of contemporary techniques and energy sources. Cardiology Journal, 2008, 15, 87-94.	1.2	10
47	Relation of Brain Natriuretic Peptide Level to Extent of Left Ventricular Scarring in Patients With Chronic Heart Failure Secondary to Ischemic Cardiomyopathy. American Journal of Cardiology, 2009, 103, 243-245.	1.6	9
48	Non-Pharmacologic Management of Atrial Fibrillation. American Journal of Cardiology, 2011, 108, 317-325.	1.6	9
49	Implantable Cardioverter Defibrillators and Survival in Continuous-Flow Left Ventricular Assist Device Patients. ASAIO Journal, 2019, 65, 49-53.	1.6	9
50	Lesion modeling, characterization, and visualization for image-guided cardiac ablation therapy monitoring. Journal of Medical Imaging, 2018, 5, 1.	1.5	9
51	Response of right ventricular size to treatment with cardiac resynchronization therapy and the risk of ventricular tachyarrhythmias in MADIT-CRT. Heart Rhythm, 2013, 10, 1471-1477.	0.7	8
52	Effectiveness of Cardiac Resynchronization Therapy with Defibrillator in Atâ€Risk Black and White Cardiac Patients. Annals of Noninvasive Electrocardiology, 2013, 18, 140-148.	1.1	8
53	Smoking is associated with an increased risk of first and recurrent ventricular tachyarrhythmias in ischemic and nonischemic patients with mild heart failure: A MADIT-CRT substudy. Heart Rhythm, 2014, 11, 822-827.	0.7	8
54	Validation of an automatic diagnosis of strict left bundle branch block criteria using 12-lead electrocardiograms. , 2017, 22, e12398.		8

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55	CHA ₂ DS ₂ â€VASc Score and the Risk of Ventricular Tachyarrhythmic Events and Mortality in MADITâ€CRT. Journal of the American Heart Association, 2020, 9, e014353.	3.7	8
56	Competing risk analysis of ventricular arrhythmia events in heart failure patients with moderately compromised renal dysfunction. Europace, 2020, 22, 1384-1390.	1.7	8
57	Conceptualizing a Real-Time Remote Cardiac Health Monitoring System. Advances in Wireless Technologies and Telecommunication Book Series, 0, , 1-34.	0.4	8
58	Risk of arrhythmic events after alcohol septal ablation for hypertrophic cardiomyopathy using continuous implantable cardiac monitoring. Heart Rhythm, 2021, 18, 50-56.	0.7	7
59	Risk Prediction in Women With Congenital Long QT Syndrome. Journal of the American Heart Association, 2021, 10, e021088.	3.7	7
60	Use of oral contraceptives in women with congenital long QT syndrome. Heart Rhythm, 2022, 19, 41-48.	0.7	7
61	Predictors of mortality in patients hospitalized for congestive heart failure with left ventricular ejection fraction â‰¥ 40%. Cardiology Journal, 2015, 22, 382-390.	1.2	7
62	Sex hormones and repolarization dynamics during the menstrual cycle in women with congenital long QT syndrome. Heart Rhythm, 2022, 19, 1532-1540.	0.7	6
63	Sex Differences in the Risk of First and Recurrent Ventricular Tachyarrhythmias Among Patients Receiving an Implantable Cardioverter-Defibrillator for Primary Prevention. JAMA Network Open, 2022, 5, e2217153.	5.9	6
64	Role of Implantable Cardioverter Defibrillator in Heart Failure With Contemporary Medical Therapy. Circulation: Heart Failure, 2022, 15, .	3.9	6
65	The Burden and Morphology of Premature Ventricular Contractions and their Impact on Clinical Outcomes in Patients Receiving Biventricular Pacing in the Multicenter Automatic Defibrillator Implantation Trial-Cardiac Resynchronization Therapy (MADIT-CRT). , 2016, 21, 41-48.		5
66	Predictors and outcomes of atrial tachyarrhythmia among patients with implantable defibrillators. Heart Rhythm, 2020, 17, 553-559.	0.7	5
67	Comparison of Low Versus High (>40Âmm Hg) Pulse Pressure to Predict the Benefit of Cardiac Resynchronization Therapy for Heart Failure (from the Multicenter Automatic Defibrillator) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 1053-1058.	1.6	4
68	Effect of Significant Weight Change on Inappropriate Implantable Cardioverterâ€Defibrillator Therapy. PACE - Pacing and Clinical Electrophysiology, 2017, 40, 9-16.	1.2	4
69	Outcome by Sex in Patients With Long QT Syndrome With an Implantable Cardioverter Defibrillator. Journal of the American Heart Association, 2020, 9, e016398.	3.7	4
70	Circadian variation and seasonal distribution of implantable defibrillator detected new onset atrial fibrillation. PACE - Pacing and Clinical Electrophysiology, 2020, 43, 1495-1500.	1.2	4
71	Implantable cardioverter-defibrillator programming after first occurrence of ventricular tachycardia in the Multicenter Automatic Defibrillator Implantation Trialâ€“Reduce Inappropriate Therapy (MADIT-RIT). Heart Rhythm O2, 2020, 1, 77-82.	1.7	4
72	Underutilization of Implantable Cardioverter Defibrillator in Primary Prevention of Sudden Cardiac Arrest. Cardiology Research, 2011, 2, 1-6.	1.1	4

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73	Metabolic syndrome is associated with different clinical outcome after cardiac resynchronization therapy in patients with ischemic and non-ischemic cardiomyopathy. Cardiology Journal, 2016, 23, 344-351.	1.2	4
74	Intraoperative Ventricular Tachycardia Ablation During Left Ventricular Assist Device Implantation in High-Risk Heart Failure Patients. Circulation: Arrhythmia and Electrophysiology, 2022, 15, .	4.8	4
75	Comparison of Outcomes in Patients Undergoing Coronary Bypass of Patent Versus Restenosed Bare Metal Stented Coronary Arteries. American Journal of Cardiology, 2005, 96, 1416-1419.	1.6	3
76	Identification of a Retained Intravascular Wire by Three-Dimensional Transesophageal Echocardiography. Echocardiography, 2009, 26, 463-464.	0.9	3
77	Successful Therapeutic Hypothermia in Patients with Congenital Long QT Syndrome. , 2011, 16, 100-103.		3
78	Risk of Ventricular Tachyarrhythmic Events in Patients Who Improved BeyondÂGuidelines for a Defibrillator inÂMADIT-CRT. JACC: Clinical Electrophysiology, 2019, 5, 1172-1181.	3.2	3
79	Cardiac Resynchronization Therapy and Risk of Recurrent Hospitalizations in Patients Without Left Bundle Branch Block. Circulation: Heart Failure, 2020, 13, e006925.	3.9	3
80	Relation between resting heart rate and the risk of ventricular tachyarrhythmias in MADIT-RIT. Europace, 2020, 22, 281-287.	1.7	3
81	Systolic Blood Pressure and Risk for Ventricular Arrhythmia in Patients With an Implantable Cardioverter Defibrillator. American Journal of Cardiology, 2021, 143, 74-79.	1.6	3
82	Conceptualizing a Real-Time Remote Cardiac Health Monitoring System. , 2017, , 160-193.		3
83	Outcomes Associated with Introduction of the 5th Generation High-Sensitivity Cardiac Troponin in Patients Presenting with Cardiovascular Disorders. Journal of Emergency Medicine, 2022, , .	0.7	2
84	Graves Disease Exacerbation After Pituitary Adenomectomy for Cushing Disease Resulting in an Adrenal Crisis. , 2007, 17, 206-208.		1
85	Visualization of Health Monitoring Data Acquired from Distributed Sensors for Multiple Patients. , 2014, , .		1
86	Automatic Diagnosis of Strict Left Bundle Branch Block from Standard 12-lead Electrocardiogram. , 2015, , .		1
87	Left Bundle Branch Block and Complete Heart Block Complicating Inferior Myocardial Infarction. Annals of Noninvasive Electrocardiology, 2017, 22, .	1.1	1
88	Prognostic Usefulness of Systolic Blood Pressure One-Year Following Cardiac Resynchronization Therapy (from MADIT-CRT). American Journal of Cardiology, 2020, 125, 777-782.	1.6	1
89	Mapping and ablation of ventricular tachycardia 36 years after a Pennsylvania peel. HeartRhythm Case Reports, 2020, 6, 431-433.	0.4	1
90	Applicability of the MADIT-CRT Response Score for Prediction of Long-Term Clinical and Arrhythmic Events by QRS Morphology. Circulation: Arrhythmia and Electrophysiology, 2020, 13, e008499.	4.8	1

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91	Risk factors for ventricular tachyarrhythmic events in patients without left bundle branch block who receive cardiac resynchronization therapy. Annals of Noninvasive Electrocardiology, 2021, 26, e12847.	1.1	1
92	Junctional AV ablation in patients with atrial fibrillation undergoing cardiac resynchronization therapy (JAVA-CRT): results of a multicenter randomized clinical trial pilot program. Journal of Interventional Cardiac Electrophysiology, 2022, 64, 519-530.	1.3	1
93	Global Risk Score and Exercise Testingâ€"Reply. JAMA - Journal of the American Medical Association, 2005, 293, 159.	7.4	0
94	Modulation of BNP Response in Relation to Myocardial Scarring on PET Scan in Patients with Acute Congestive Heart Failure Exacerbation. Journal of Cardiac Failure, 2006, 12, S30.	1.7	0
95	Atrioventricular Pacemaker Lead Reversal. Journal of Arrhythmia, 2007, 23, 69-72.	1.2	0
96	ATRIOVENTRICULAR NODAL REâ€ŧENTRANT TACHYCARDIA ABLATION IN A CENTENARIAN. Journal of the American Geriatrics Society, 2009, 57, 753-754.	2.6	0
97	Successful therapeutic hypothermia for cardiac arrest in a patient with a left ventricular assist device. Resuscitation, 2011, 82, e19.	3.0	0
98	A 61â€Ÿearâ€Old Patient with Activityâ€Related Wide Complex Tachycardia. Annals of Noninvasive Electrocardiology, 2011, 16, 208-212.	1.1	0
99	Time Dependence of VentricularÂTachyarrhythmias AfterÂMyocardial Infarction. JACC: Clinical Electrophysiology, 2016, 2, 565-573.	3.2	0
100	Defibrillation Therapy. , 2017, , 464-481.		0
101	Continuous Respiratory Rate is Superior to Routine Outpatient Dyspnea Assessment for Predicting Heart Failure Events. Journal of Cardiac Failure, 2018, 24, S45.	1.7	0
102	Device Measured Rapid Shallow Breathing Index and not Minute Ventilation Reflects Changes in Dyspnea Status in Ambulatory Heart Failure Patients. Journal of Cardiac Failure, 2018, 24, S34.	1.7	0
103	Device Measured Rapid Shallow Breathing Index Reflects Changing Respiratory Patterns but Minute Ventilation Reflects Changing Activity During Worsening Heart Failure in Ambulatory Patients. Journal of Cardiac Failure, 2018, 24, S11.	1.7	0
104	The role and outcomes of new supraventricular tachycardia among patients with mild heart failure. Journal of Cardiovascular Electrophysiology, 2020, 31, 1099-1104.	1.7	0
105	Continuous Respiratory Rate is Superior to Routine Outpatient Dyspnea Assessment for Predicting Heart Failure Events. Heart and Lung: Journal of Acute and Critical Care, 2020, 49, 215.	1.6	0
106	Marital Status and Long-Term Outcomes in Mild Heart Failure Patients With an Implantable Cardioverter Defibrillator or Cardiac Resynchronization Therapy With Defibrillator. American Journal of Cardiology, 2020, 125, 1180-1186.	1.6	0
107	B-PO03-072 REDUCTION IN VENTRICULAR TACHYARRHYTHMIA BURDEN IN PATIENTS ENROLLED IN THE RANOLAZINE IMPLANTABLE CARDIOVERTER-DEFIBRILLATOR (RAID) TRIAL. Heart Rhythm, 2021, 18, S217-S218.	0.7	0
108	B-PO04-129 INTRAOPERATIVE VENTRICULAR TACHYCARDIA ABLATION DURING LEFT VENTRICULAR ASSIST DEVICE IMPLANTATION IN HIGH-RISK HEART FAILURE PATIENTS. Heart Rhythm, 2021, 18, S331-S332.	0.7	0

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109	Hospitalization for HeartÂFailure and Subsequent Ventricular Tachyarrhythmias in Patients With LeftÂVentricular Dysfunction. JACC: Clinical Electrophysiology, 2021, 7, 1099-1107.	3.2	0
110	Atrioventricular Pacemaker Leaf Reversal. Journal of Arrhythmia, 2007, 23, 69-72.	1.2	0
111	Case 126. , 2011, , 487-489.		0
112	Technical note: on cardiac ablation lesion visualization for image-guided therapy monitoring. , 2018, 10576, .		0
113	Magnetic guidance for cardiac procedures. Cardiology Journal, 2009, 16, 177-8.	1.2	0
114	Ready to deploy prophylactics?. Journal of Cardiovascular Electrophysiology, 2022, 33, 1197-1198.	1.7	0
115	Reduction in Ventricular Tachyarrhythmia Burden in Patients Enrolled in the RAIDÂTrial. JACC: Clinical Electrophysiology, 2022, , .	3.2	0
116	PO-628-04 THE EFFECT OF METOPROLOL VERSUS CARVEDILOL ON THE RISK OF ATRIAL AND VENTRICULAR ARRHYTHMIA IN PRIMARY PREVENTION IMPLANTABLE CARDIOVERTER-DEFIBRILLATOR RECIPIENTS. Heart Rhythm, 2022, 19, S158.	0.7	0
117	HF-567-01 THE BENEFIT OF AN IMPLANTABLE CARDIOVERTER DEFIBRILLATOR IN HEART FAILURE PATIENTS TREATED WITH EMPAGLIFLOZIN: AN ANALYSIS FROM THE EMPEROR-REDUCED TRIAL. Heart Rhythm, 2022, 19, S72-S73.	0.7	0
118	PO-629-07 TRIGGERED SYNCOPE AND THE RISK FOR SUBSEQUENT LIFE THREATENING EVENTS IN LONG QT SYNDROME. Heart Rhythm, 2022, 19, S164.	0.7	0