Ahmet Kilic

List of Publications by Year in descending order

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206112 201674 2,816 132 27 48 h-index citations g-index papers 136 136 136 4214 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Atrial fibrillation driven by micro-anatomic intramural re-entry revealed by simultaneous sub-epicardial and sub-endocardial optical mapping in explanted human hearts. European Heart Journal, 2015, 36, 2390-2401.	2.2	347
2	PREVENtion of HeartMate II Pump Thrombosis Through Clinical Management: The PREVENT multi-center study. Journal of Heart and Lung Transplantation, 2017, 36, 1-12.	0.6	229
3	Threeâ€dimensional Integrated Functional, Structural, and Computational Mapping to Define the Structural "Fingerprints―of Heartâ€6pecific Atrial Fibrillation Drivers in Human Heart Ex Vivo. Journal of the American Heart Association, 2017, 6, .	3.7	120
4	The incidence, risk factors, and outcomes associated with late right-sided heart failure in patients supported with an axial-flow left ventricular assist device. Journal of Heart and Lung Transplantation, 2017, 36, 50-58.	0.6	110
5	Adenosine-Induced Atrial Fibrillation. Circulation, 2016, 134, 486-498.	1.6	85
6	Human sinoatrial node structure: 3D microanatomy of sinoatrial conduction pathways. Progress in Biophysics and Molecular Biology, 2016, 120, 164-178.	2.9	81
7	Molecular Mechanisms Underlying Cardiac Protein Phosphatase 2A Regulation in Heart. Journal of Biological Chemistry, 2013, 288, 1032-1046.	3.4	77
8	Redundant and diverse intranodal pacemakers and conduction pathways protect the human sinoatrial node from failure. Science Translational Medicine, 2017, 9, .	12.4	76
9	Racial Disparities in Outcomes of Adult Heart Transplantation. Circulation, 2015, 131, 882-889.	1.6	75
10	Molecular Mapping of Sinoatrial Node HCN Channel Expression in the Human Heart. Circulation: Arrhythmia and Electrophysiology, 2015, 8, 1219-1227.	4.8	72
11	Donor selection in heart transplantation. Journal of Thoracic Disease, 2014, 6, 1097-104.	1.4	70
12	Calcium-Activated Potassium Current Modulates Ventricular Repolarization in Chronic Heart Failure. PLoS ONE, 2014, 9, e108824.	2.5	62
13	Dysfunction in the βll Spectrin–Dependent Cytoskeleton Underlies Human Arrhythmia. Circulation, 2015, 131, 695-708.	1.6	56
14	Clinical Outcomes of Mitral Valve Reoperations in the United States: An Analysis of The Society of Thoracic Surgeons National Database. Annals of Thoracic Surgery, 2019, 107, 754-759.	1.3	53
15	<i>SCN5A</i> variant that blocks fibroblast growth factor homologous factor regulation causes human arrhythmia. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12528-12533.	7.1	51
16	Modifiable Risk Factors and Mortality From Ischemic and Hemorrhagic Strokes in Patients Receiving Venoarterial Extracorporeal Membrane Oxygenation: Results From the Extracorporeal Life Support Organization Registry. Critical Care Medicine, 2020, 48, e897-e905.	0.9	48
17	Long-Term Survival in Patients Receiving a Continuous-Flow Left Ventricular Assist Device. Annals of Thoracic Surgery, 2018, 105, 696-701.	1.3	44
18	Transplantation of placentaâ€derived mesenchymal stem cells enhances angiogenesis after ischemic limb injury in mice. Journal of Cellular and Molecular Medicine, 2016, 20, 29-37.	3.6	43

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19	Novel application of 3D contrast-enhanced CMR to define fibrotic structure of the human sinoatrial node in vivo. European Heart Journal Cardiovascular Imaging, 2017, 18, 862-869.	1.2	35
20	To induce or not to induce: a 21st century evaluation of lung transplant immunosuppression's effect on survival. Clinical Transplantation, 2014, 28, 450-461.	1.6	33
21	Early In Vivo Experience With the Pediatric Jarvik 2000 Heart. ASAIO Journal, 2007, 53, 374-378.	1.6	32
22	The Frank-Starling mechanism involves deceleration of cross-bridge kinetics and is preserved in failing human right ventricular myocardium. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H2077-H2086.	3.2	32
23	Advancements in mechanical circulatory support for patients in acute and chronic heart failure. Journal of Thoracic Disease, 2017, 9, 4070-4083.	1.4	32
24	Survival and Functional Status After Bridge-to-Transplant with a Left Ventricular Assist Device. ASAIO Journal, 2019, 65, 661-667.	1.6	31
25	Impact of induction immunosuppression on survival in heart transplant recipients: a contemporary analysis of agents. Clinical Transplantation, 2015, 29, 9-17.	1.6	30
26	Effect of Hepatitis C Positivity on Survival in Adult Patients Undergoing Heart Transplantation (from) Tj ETQq0 C	0 0 rgBT /C	verlock 10 Tf
27	Etiology-dependent impairment of relaxation kinetics in right ventricular end-stage failing human myocardium. Journal of Molecular and Cellular Cardiology, 2018, 121, 81-93.	1.9	28
28	Regional remodeling strain and its association with myocardial apoptosis after myocardial infarction in an ovine model. Journal of Thoracic and Cardiovascular Surgery, 2008, 135, 991-998.e2.	0.8	27
29	TGF- \hat{l}^21 affects cell-cell adhesion in the heart in an NCAM1-dependent mechanism. Journal of Molecular and Cellular Cardiology, 2017, 112, 49-57.	1.9	27
30	Racial Disparities in Patients Bridged to Heart Transplantation With Left Ventricular Assist Devices. Annals of Thoracic Surgery, 2019, 108, 1122-1126.	1.3	27
31	Catalytic Ozonation by Iron Coated Pumice for the Degradation of Natural Organic Matters. Catalysts, 2018, 8, 219.	3.5	26
32	Ankyrin-B Protein in Heart Failure. Journal of Biological Chemistry, 2012, 287, 30268-30281.	3.4	25
33	Human Myocardium Has a Robust $\hat{l}\pm 1$ A-Subtype Adrenergic Receptor Inotropic Response. Journal of Cardiovascular Pharmacology, 2018, 72, 136-142.	1.9	24
34	Dysfunction of the \hat{l}^2 (sub>-spectrin-based pathway in human heart failure. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H1583-H1591.	3.2	23
35	Sharing the Care of Mechanical Circulatory Support. Circulation: Heart Failure, 2015, 8, 629-635.	3.9	21
36	Short-Term Circulatory and Right Ventricle Support in Cardiogenic Shock. Heart Failure Clinics, 2018, 14, 579-583.	2.1	21

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37	Changes in pulmonary artery pressure before and after left ventricular assist device implantation in patients utilizing remote haemodynamic monitoring. ESC Heart Failure, 2019, 6, 138-145.	3.1	18
38	Cerebral autoregulation in the operating room and intensive care unit after cardiac surgery. British Journal of Anaesthesia, 2021, 126, 967-974.	3.4	18
39	Claudin-5 levels are reduced from multiple cell types in human failing hearts and are associated with mislocalization of ephrin-B1. Cardiovascular Pathology, 2015, 24, 160-167.	1.6	17
40	Initiation and management of adult veno-arterial extracorporeal life support. Annals of Translational Medicine, 2017, 5, 67-67.	1.7	17
41	The future of left ventricular assist devices. Journal of Thoracic Disease, 2015, 7, 2188-93.	1.4	17
42	Left ventricular assist devices in heart failure. Expert Review of Cardiovascular Therapy, 2012, 10, 649-656.	1.5	16
43	Outcomes in the current surgical era following operative repair of acute Type A aortic dissection in the elderly: a single-institutional experience. Interactive Cardiovascular and Thoracic Surgery, 2013, 17, 104-109.	1.1	16
44	Use of Whole Exome Sequencing for the Identification of <i>I</i> _{to} â€Based Arrhythmia Mechanism and Therapy. Journal of the American Heart Association, 2015, 4, .	3.7	16
45	The catalytic activity of the iron-coated pumice particles used as heterogeneous catalysts in the oxidation of natural organic matter by H ₂ O ₂ . Environmental Technology (United Kingdom), 2016, 37, 2040-2047.	2.2	16
46	Effects of zacopride, a moderate IK1 channel agonist, on triggered arrhythmia and contractility in human ventricular myocardium. Pharmacological Research, 2017, 115, 309-318.	7.1	16
47	Adult veno-arterial extracorporeal life support. Journal of Thoracic Disease, 2018, 10, S1811-S1818.	1.4	15
48	Early Outcomes After Heart Transplantation in Recipients Bridged With a HeartMate 3 Device. Annals of Thoracic Surgery, 2019, 108, 467-473.	1.3	15
49	Lung transplantation with lungs from older donors: an analysis of survival in elderly recipients. Journal of Surgical Research, 2017, 214, 109-116.	1.6	14
50	Altered protein levels in the isolated extracellular matrix of failing human hearts with dilated cardiomyopathy. Cardiovascular Pathology, 2017, 26, 12-20.	1.6	14
51	Disinfection By-Products Formation Potential Along the Melendiz River, Turkey; Associated Water Quality Parameters and Non-Linear Prediction Model. International Journal of Environmental Research, 2018, 12, 909-919.	2.3	14
52	Impact of etiology on force and kinetics of left ventricular end-stage failing human myocardium. Journal of Molecular and Cellular Cardiology, 2021, 156, 7-19.	1.9	14
53	Regional imbalanced activation of the calcineurin/BAD apoptotic pathway and the PI3K/Akt survival pathway after myocardial infarction. International Journal of Cardiology, 2013, 166, 158-165.	1.7	13
54	A Nonthoracotomy Myocardial Infarction Model in an Ovine Using Autologous Platelets. BioMed Research International, 2013, 2013, 1-7.	1.9	13

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55	Identification of General and Heart-Specific miRNAs in Sheep (Ovis aries). PLoS ONE, 2015, 10, e0143313.	2.5	13
56	Force-frequency relationship and early relaxation kinetics are preserved upon sarcoplasmic blockade in human myocardium. Physiological Reports, 2018, 6, e13898.	1.7	12
57	Conditional Survival in Heart Transplantation: An Organ Procurement and Transplantation Network Database Analysis. Annals of Thoracic Surgery, 2020, 110, 1339-1347.	1.3	11
58	Increased Use of Multiorgan Transplantation in Heart Transplantation: Only Time Will Tell. Annals of Thoracic Surgery, 2020, 110, 1308-1315.	1.3	11
59	Strain-related regional alterations of calcium-handling proteins in myocardial remodeling. Journal of Thoracic and Cardiovascular Surgery, 2006, 132, 900-908.	0.8	10
60	Insights into length-dependent regulation of cardiac cross-bridge cycling kinetics in human myocardium. Archives of Biochemistry and Biophysics, 2016, 601, 48-55.	3.0	10
61	Pro: Cardiothoracic Anesthesiologists Should Provide Anesthetic Care for Patients With Ventricular Assist Devices Undergoing Noncardiac Surgery. Journal of Cardiothoracic and Vascular Anesthesia, 2017, 31, 378-381.	1.3	10
62	Institutional volume affects long-term survival following lung transplantation in the USA. European Journal of Cardio-thoracic Surgery, 2019, 56, 271-276.	1.4	10
63	Outcomes after heart transplantation in sensitized patients bridged with ventricular assist devices. Journal of Cardiac Surgery, 2019, 34, 474-481.	0.7	10
64	Assessment of PKA and PKC inhibitors on force and kinetics of non-failing and failing human myocardium. Life Sciences, 2018, 215, 119-127.	4.3	9
65	Impact of preoperative liver dysfunction on outcomes in patients with left ventricular assist devices. European Journal of Cardio-thoracic Surgery, 2020, 57, 920-928.	1.4	9
66	Long-term Survival After Heart Transplantation: A Population-based Nested Case-Control Study. Annals of Thoracic Surgery, 2021, 111, 889-898.	1.3	9
67	Laparoscopic colotomy repair following colonoscopic polypectomy. Journal of the Society of Laparoendoscopic Surgeons, 2008, 12, 93-6.	1.1	9
68	Bridge to transplantation from mechanical circulatory support: a narrative review. Journal of Thoracic Disease, 2021, 13, 6911-6923.	1.4	9
69	Heart transplantation strategies in arrhythmogenic right ventricular cardiomyopathy: a tertiary ARVC centre experience. ESC Heart Failure, 2022, 9, 1008-1017.	3.1	9
70	Impact of Foley Catheter Placement by Medical Students on Rates of Postoperative Urinary Tract Infection. Journal of the American College of Surgeons, 2018, 227, 496-501.	0.5	8
71	Surgical considerations for cardiac allograft rejection. Cardiovascular Pathology, 2019, 42, 59-63.	1.6	8
72	Controversies and Challenges of Ventricular Assist Device Therapy. American Journal of Cardiology, 2018, 121, 1219-1224.	1.6	7

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73	Impact of cytomegalovirus serologic status on heart transplantation. Journal of Cardiac Surgery, 2020, 35, 1431-1438.	0.7	7
74	Measures to Increase Use of Multiple Arterial Grafts for Isolated Coronary Artery Bypass Grafting. Journal of the American College of Surgeons, 2021, 232, 954-961.	0.5	7
75	Large de novo ascending aortic thrombus successfully treated with anticoagulation. Journal of Cardiovascular and Thoracic Research, 2018, 10, 113-114.	0.9	7
76	Heart transplantation outcomes in arrhythmogenic right ventricular cardiomyopathy: a contemporary national analysis. ESC Heart Failure, 2022, , .	3.1	7
77	Impact of Traumatically Brain-Injured Donors on Outcomes After Heart Transplantation. Journal of Surgical Research, 2019, 240, 40-47.	1.6	6
78	Effects of Systemic and Device-Related Complications in Patients Bridged to Transplantation With Left Ventricular Assist Devices. Journal of Surgical Research, 2020, 246, 207-212.	1.6	6
79	Decreased Nutritional Risk Index is associated with mortality after heart transplantation. Clinical Transplantation, 2021, 35, e14253.	1.6	6
80	Longâ€ŧerm survival after heart transplantation for cardiac sarcoidosis. Journal of Cardiac Surgery, 2021, 36, 4247-4255.	0.7	6
81	Heartmate II Inflow Path Thrombosis: Emphasis on a Comprehensive Approach to Diagnosis. Journal of Cardiothoracic and Vascular Anesthesia, 2017, 31, 1015-1020.	1.3	5
82	Anticoagulation management following left ventricular assist device implantation is similar across all provider strategiesâ€. Interactive Cardiovascular and Thoracic Surgery, 2018, 26, 60-65.	1.1	5
83	Incomplete Cushing's reflex in extracorporeal membrane oxygenation. International Journal of Artificial Organs, 2020, 43, 401-404.	1.4	5
84	High rates of de novo malignancy compromise postâ€heart transplantation survival. Journal of Cardiac Surgery, 2021, 36, 1401-1410.	0.7	5
85	Rate Versus Rhythm Control in Heart Failure Patients with Post-Operative Atrial Fibrillation After Cardiac Surgery. Journal of Cardiac Failure, 2021, 27, 915-919.	1.7	5
86	To ventricular assist devices or not: When is implantation of a ventricular assist device appropriate in advanced ambulatory heart failure?. World Journal of Cardiology, 2016, 8, 695.	1.5	5
87	Revascularization in ischaemic heart failure with preserved ejection fraction: a nationwide cohort study. European Journal of Heart Failure, 2022, 24, 1427-1438.	7.1	5
88	Abstract 16405: Prevention of HeartMate II Pump Thrombosis - Recommendations and Preliminary Observations From the PREVENT Study. Circulation, 2015, 132, .	1.6	5
89	How to develop a niche: Focus on adult cardiac surgery. Journal of Thoracic and Cardiovascular Surgery, 2016, 151, 636-639.	0.8	4
90	Surgical Treatment of Heart Failure. Surgical Clinics of North America, 2017, 97, 923-946.	1.5	4

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91	Late-stage obstruction due to preventative wrapping of left ventricular assist device outflow graft. Interactive Cardiovascular and Thoracic Surgery, 2019, 29, 489-490.	1.1	4
92	Pump Position Impacts HeartMate II Left Ventricular Assist Device Thrombosis. ASAIO Journal, 2019, 65, 227-232.	1.6	4
93	Impact of Left Ventricular Assist Device Exchange on Outcomes After HeartÂTransplantation. Annals of Thoracic Surgery, 2020, 109, 78-84.	1.3	4
94	Evaluation of Extracorporeal Membrane Oxygenation Therapy as a Bridging Method. Annals of Thoracic Surgery, 2021, 112, 68-74.	1.3	4
95	Increased cross-bridge recruitment contributes to transient increase in force generation beyond maximal capacity in human myocardium. Journal of Molecular and Cellular Cardiology, 2018, 114, 116-123.	1.9	3
96	Anomalous Origin of the Left Main Coronary Artery From the Right Coronary Artery. Circulation: Cardiovascular Imaging, 2018, 11, e008452.	2.6	3
97	Discrepancies in access and institutional risk tolerance in heart transplantation: A national open cohort study. Journal of Cardiac Surgery, 2019, 34, 994-1003.	0.7	3
98	Impact of Change in Body Mass Index on Outcomes After Left Ventricular Assist Device Implantation in Obese Patients. ASAIO Journal, 2019, 65, 668-673.	1.6	3
99	Matchmaking Just Got Easier: Impact of Phenotypic Donor-Recipient Likeness in Heart Transplantation. Annals of Thoracic Surgery, 2020, 109, 102-109.	1.3	3
100	Left Ventricular Assist Device Exchange Increases Heart Transplant Wait-List Mortality. Journal of Surgical Research, 2020, 255, 277-284.	1.6	3
101	Development of adaptive neuro-fuzzy inference system model for predict trihalomethane formation potential in distribution network simulation test. Environmental Science and Pollution Research, 2021, 28, 15870-15882.	5.3	3
102	Angiotensin Receptor-Neprilysin Inhibition Improves Blood Pressure and Heart Failure Control in Left Ventricular Assist Device Patients. ASAIO Journal, 2021, 67, e207-e210.	1.6	3
103	Modified aortoplasty for discrete congenital supravalvular aortic stenosis. Journal of Thoracic and Cardiovascular Surgery, 2012, 143, 1450-1451.	0.8	2
104	Epicardial fibrosis mimicking a myocardial bridge. Interactive Cardiovascular and Thoracic Surgery, 2014, 19, 336-338.	1.1	2
105	A Comprehensive Review of Risk Factor, Mechanism, and Management of Left Ventricular Assist Device–Associated Stroke. Seminars in Neurology, 2021, 41, 411-421.	1.4	2
106	Improving contemporary outcomes following heart transplantation for cardiac amyloidosis. Journal of Cardiac Surgery, 2021, 36, 3509-3518.	0.7	2
107	Opening the Door: Navigating Cardiothoracic Surgery Training as an Underrepresented Minority. Annals of Thoracic Surgery, 2022, 114, 20-24.	1.3	2
108	Destination left ventricular assist devices in island states: asking too much or the inevitable solution. The Cardiothoracic Surgeon, 2022, 30, .	0.5	2

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109	Atrial Septal Defect in a Patient With a Mechanical Mitral Valve Prosthesis Undergoing Implantation of a Left Ventricular Assist Device: To Repair or Not to Repair. Journal of Cardiothoracic and Vascular Anesthesia, 2017, 31, 1370-1373.	1.3	1
110	Impaired adhesion of induced pluripotent stem cell-derived cardiac progenitor cells (iPSC-CPCs) to isolated extracellular matrix from failing hearts. Heliyon, 2018, 4, e00870.	3.2	1
111	Bone cement is a suitable treatment for sternal reconstruction in patients with recurrent sternal wound infections. Journal of Thoracic Disease, 2019, 11, 1684-1689.	1.4	1
112	Stretching single titin molecules from failing human hearts reveals titin's role in blunting cardiac kinetic reserve. Cardiovascular Research, 2020, 116, 127-137.	3.8	1
113	Dual-Organ Transplantation in a WomanÂWith Right Ventricular Failure SecondaryÂto Arrhythmogenic RightÂVentricular Cardiomyopathy. JACC: Case Reports, 2020, 2, 59-63.	0.6	1
114	An Analysis of Waitlist Inactivity Among Patients With Ventricular Assist Devices. Journal of Surgical Research, 2021, 260, 383-390.	1.6	1
115	Commentary: Message in a Bottle—Sending Out an SOS to the World. Seminars in Thoracic and Cardiovascular Surgery, 2021, 33, 130-131.	0.6	1
116	Repeat resection for recurrence of pulmonary artery intimal sarcoma. Journal of Cardiac Surgery, 2021, 36, 3889-3891.	0.7	1
117	How I do it: Totally extrapericardial, ambulatory central venoarterial extracorporeal membrane oxygenation as a bridge to heart transplantation. Journal of Cardiac Surgery, 2021, 36, 4812-4813.	0.7	1
118	Round and round we go Journal of Thoracic and Cardiovascular Surgery, 2017, 154, 853-854.	0.8	0
119	Diminutive Porcelain Ascending Aorta With Supravalvular Aortic Stenosis. Annals of Thoracic Surgery, 2018, 105, e219-e220.	1.3	0
120	Reply. Annals of Thoracic Surgery, 2020, 109, 987.	1.3	0
121	Ventricular assist devices and middle age reduce heart transplantation rates for waitlist candidates. Journal of Cardiac Surgery, 2020, 35, 1778-1786.	0.7	0
122	Crossing the Bridge to HeartÂTransplantation. JACC: Case Reports, 2020, 2, 173-177.	0.6	0
123	Anomalous Origin of the Right Coronary Artery Causing Myocardial Ischemia: A Case for a Multimodality Imaging Approach. Case Reports in Cardiology, 2021, 2021, 1-6.	0.2	0
124	Commentary: We should be uncomfortable with being comfortable. Seminars in Thoracic and Cardiovascular Surgery, 2021, , .	0.6	0
125	Commentary: What has the coronavirus disease 2019 (COVID-19) pandemic really taught us?. JTCVS Open, 2021, 7, 413-414.	0.5	0
126	Perils, paradigms, and possibilities: A commentary and recommendation on reâ€evaluating racial disparities in cardiac surgery. Journal of Cardiac Surgery, 2021, 36, 4243-4244.	0.7	0

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#	Article	IF	CITATION
127	Abstract 18171: HCN Channel Distribution in the Human Sinoatrial Node and Latent Atrial Pacemakers <i>(i) (Best of Basic Science Abstract) < i>. Circulation, 2015, 132, .</i>	1.6	O
128	Contraction and Relaxation Coupling Unaffected by Disease in Canine and Human Myocardium. FASEB Journal, 2018, 32, 901.6.	0.5	0
129	Forceâ€frequency Relationship and Early Relaxation Kinetics Are Preserved Upon SR Blockade in Human Myocardium. FASEB Journal, 2018, 32, 903.15.	0.5	O
130	Stretching Single Titin Molecules from Failing Human Hearts at Cardiac Cycle Reveals Titin's Role in Cardiac Kinetic Reserve. FASEB Journal, 2018, 32, 903.6.	0.5	0
131	Commentary: Virtual interviews in cardiothoracic surgery: A match made in heaven or gone catfishing?. Journal of Thoracic and Cardiovascular Surgery, 2022, 164, e484-e485.	0.8	O
132	Massive primary cardiac synovial sarcoma of the left atrium: a case report. Journal of Cardiothoracic Surgery, 2022, 17, 76.	1.1	0