

# Amos Katz

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

102  
papers

3,922  
citations

26  
h-index

61  
g-index

107  
ext. papers

4,687  
ext. citations

4.9  
avg, IF

4.41  
L-index

#	Paper	IF	Citations
102	J-point elevation in survivors of primary ventricular fibrillation and matched control subjects: incidence and clinical significance. <i>Journal of the American College of Cardiology</i> , <b>2008</b> , 52, 1231-8	15.1	444
101	Rivaroxaban with or without aspirin in patients with stable peripheral or carotid artery disease: an international, randomised, double-blind, placebo-controlled trial. <i>Lancet, The</i> , <b>2018</b> , 391, 219-229	40	414
100	Implant-based multiparameter telemonitoring of patients with heart failure (IN-TIME): a randomised controlled trial. <i>Lancet, The</i> , <b>2014</b> , 384, 583-590	40	408
99	Relaxin for the treatment of patients with acute heart failure (Pre-RELAX-AHF): a multicentre, randomised, placebo-controlled, parallel-group, dose-finding phase IIb study. <i>Lancet, The</i> , <b>2009</b> , 373, 1429-39	40	334
98	Rivaroxaban with or without aspirin in patients with stable coronary artery disease: an international, randomised, double-blind, placebo-controlled trial. <i>Lancet, The</i> , <b>2018</b> , 391, 205-218	40	204
97	Distinguishing "benign" from "malignant early repolarization": the value of the ST-segment morphology. <i>Heart Rhythm</i> , <b>2012</b> , 9, 225-9	6.7	165
96	Evaluation of ranolazine in patients with type 2 diabetes mellitus and chronic stable angina: results from the TERISA randomized clinical trial (Type 2 Diabetes Evaluation of Ranolazine in Subjects With Chronic Stable Angina). <i>Journal of the American College of Cardiology</i> , <b>2013</b> , 61, 2038-45	15.1	150
95	Effects of alirocumab on cardiovascular and metabolic outcomes after acute coronary syndrome in patients with or without diabetes: a prespecified analysis of the ODYSSEY OUTCOMES randomised controlled trial. <i>Lancet Diabetes and Endocrinology, the</i> , <b>2019</b> , 7, 618-628	18.1	120
94	Cardiopoietic cell therapy for advanced ischaemic heart failure: results at 39 weeks of the prospective, randomized, double blind, sham-controlled CHART-1 clinical trial. <i>European Heart Journal</i> , <b>2017</b> , 38, 648-660	9.5	113
93	Usefulness of implantable cardioverter-defibrillators in refractory variant angina pectoris complicated by ventricular fibrillation in patients with angiographically normal coronary arteries. <i>American Journal of Cardiology</i> , <b>2002</b> , 89, 1114-6	3	108
92	ECG signal compression using analysis by synthesis coding. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2000</b> , 47, 1308-16	5	107
91	Is idiopathic ventricular fibrillation a short QT syndrome? Comparison of QT intervals of patients with idiopathic ventricular fibrillation and healthy controls. <i>Heart Rhythm</i> , <b>2004</b> , 1, 587-91	6.7	101
90	A simple bedside test of 1-minute heart rate variability during deep breathing as a prognostic index after myocardial infarction. <i>American Heart Journal</i> , <b>1999</b> , 138, 32-8	4.9	67
89	Measurements of cardiac output by impedance cardiography in pacemaker patients at rest: effects of various atrioventricular delays. <i>Journal of the American College of Cardiology</i> , <b>1993</b> , 21, 761-7	15.1	57
88	ZnT-1 extrudes zinc from mammalian cells functioning as a Zn(2+)/H(+) exchanger. <i>Metallomics</i> , <b>2014</b> , 6, 1656-63	4.5	47
87	Cardiovascular manifestations of ankylosing spondylitis. <i>Clinical Rheumatology</i> , <b>1987</b> , 6, 588-92	3.9	47
86	Molecular basis for zinc transporter 1 action as an endogenous inhibitor of L-type calcium channels. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 32434-43	5.4	45

85	Potential value of automated daily screening of cardiac resynchronization therapy defibrillator diagnostics for prediction of major cardiovascular events: results from Home-CARE (Home Monitoring in Cardiac Resynchronization Therapy) study. <i>European Journal of Heart Failure</i> , <b>2011</b> , 13, 1019-27	12.3	39
84	Provocation of sudden heart rate oscillation with adenosine exposes abnormal QT responses in patients with long QT syndrome: a bedside test for diagnosing long QT syndrome. <i>European Heart Journal</i> , <b>2006</b> , 27, 469-75	9.5	38
83	Initial experience with a new algorithm for automatic mode switching from DDDR to DDIR mode. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>1994</b> , 17, 1908-12	1.6	35
82	Crosstalk between L-type calcium channels and ZnT-1, a new player in rate-dependent cardiac electrical remodeling. <i>Cell Calcium</i> , <b>2007</b> , 42, 71-82	4	32
81	ZnT-1 protects HL-1 cells from simulated ischemia-reperfusion through activation of Ras-ERK signaling. <i>Journal of Molecular Medicine</i> , <b>2012</b> , 90, 127-38	5.5	31
80	Neutrophil superoxide release and interleukin 8 in acute myocardial infarction: distinction between complicated and uncomplicated states. <i>European Journal of Clinical Investigation</i> , <b>1997</b> , 27, 398-404	4.6	31
79	Influence of gender in the therapeutic management of patients with acute myocardial infarction in Israel. The Israeli Thrombolytic Survey Group. <i>American Journal of Cardiology</i> , <b>1994</b> , 73, 438-43	3	31
78	Clinical evaluation of a new single pass lead VDD pacing system. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>1994</b> , 17, 1859-64	1.6	31
77	ZnT-1 enhances the activity and surface expression of T-type calcium channels through activation of Ras-ERK signaling. <i>American Journal of Physiology - Cell Physiology</i> , <b>2012</b> , 303, C192-203	5.4	29
76	Association of statin therapy and the risk of atrial fibrillation in patients with a permanent pacemaker. <i>Clinical Cardiology</i> , <b>2006</b> , 29, 249-52	3.3	24
75	Single lead VDD pacing: multicenter study. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>1996</b> , 19, 1768-71.6	71.6	24
74	Advanced atrioventricular conduction block in acute rheumatic fever. <i>Cardiology in the Young</i> , <b>2003</b> , 13, 506-508	1	23
73	Ultra-short-term heart rate variability for early risk stratification following acute ST-elevation myocardial infarction. <i>Cardiology</i> , <b>2009</b> , 114, 275-83	1.6	22
72	Prevention of infections associated with permanent cardiac antiarrhythmic devices by implementation of a comprehensive infection control program. <i>Infection Control and Hospital Epidemiology</i> , <b>2004</b> , 25, 492-7	2	22
71	Left atrial function during pregnancy: a three-dimensional echocardiographic study. <i>Echocardiography</i> , <b>2012</b> , 29, 1096-101	1.5	21
70	Atrial tachycardia as the presenting sign of a left atrial appendage aneurysm. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2000</b> , 23, 283-5	1.6	21
69	Accuracy of diagnosing atrial flutter and atrial fibrillation from a surface electrocardiogram by hospital physicians: analysis of data from internal medicine departments. <i>American Journal of the Medical Sciences</i> , <b>2010</b> , 340, 271-5	2.2	20
68	Long QT syndrome complicating atrioventricular block: arrhythmogenic effects of cardiac memory. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2014</b> , 7, 1129-35	6.4	19

67	Thrombolytic therapy in acute pancreatitis presenting as acute myocardial infarction. <i>International Journal of Cardiology</i> , <b>1995</b> , 49, 279-81	3.2	19
66	Oral mexiletine-theophylline interaction. <i>International Journal of Cardiology</i> , <b>1987</b> , 17, 227-8	3.2	19
65	Patterns of accelerated junctional rhythm during slow pathway catheter ablation for atrioventricular nodal reentrant tachycardia: temperature dependence, prognostic value, and insights into the nature of the slow pathway. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2000</b> , 11, 244-54	2.7	18
64	Correlation between atrial ZnT-1 expression and atrial fibrillation in humans: a pilot study. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2008</b> , 19, 157-64	2.7	17
63	A New Method for Direct Three-Dimensional Measurement of Left Atrial Appendage Dimensions during Transesophageal Echocardiography. <i>Echocardiography</i> , <b>2016</b> , 33, 69-76	1.5	17
62	COR-ART: A multicenter, randomized, double-blind, placebo-controlled dose-ranging study to evaluate single oral doses of vanoxerine for conversion of recent-onset atrial fibrillation or flutter to normal sinus rhythm. <i>Heart Rhythm</i> , <b>2015</b> , 12, 1105-12	6.7	16
61	Supraventricular Tachycardia Classification in the 12-Lead ECG Using Atrial Waves Detection and a Clinically Based Tree Scheme. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2016</b> , 20, 1513-1520	7.2	16
60	Swallowing-induced atrial tachyarrhythmia triggered by salbutamol: case report and review of the literature. <i>Clinical Cardiology</i> , <b>2010</b> , 33, E116-20	3.3	16
59	New insights into the atrial electrophysiology of rodents using a novel modality: the miniature-bipolar hook electrode. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2008</b> , 295, H1460-9	5.2	16
58	Atrial fibrillation and plasma troponin I elevation after cardiac surgery: relation to inflammation-associated parameters. <i>Journal of Cardiac Surgery</i> , <b>2007</b> , 22, 117-23	1.3	16
57	Atrial electrical activity detection using linear combination of 12-lead ECG signals. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2014</b> , 61, 1034-43	5	15
56	Zinc transport and the inhibition of the L-type calcium channel are two separable functions of ZnT-1. <i>Metallomics</i> , <b>2017</b> , 9, 228-238	4.5	14
55	Manual vs. automatic capture management in implantable cardioverter defibrillators and cardiac resynchronization therapy defibrillators. <i>Europace</i> , <b>2010</b> , 12, 811-6	3.9	14
54	Evaluation of a new rate adaptive ventricular pacemaker controlled by double sensors. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>1995</b> , 18, 386-90	1.6	14
53	Deleterious effects of intravenous verapamil in Wolff-Parkinson-White patients and atrial fibrillation. <i>Cardiovascular Drugs and Therapy</i> , <b>1989</b> , 2, 801-6	3.9	14
52	The effect of green Mediterranean diet on cardiometabolic risk; a randomised controlled trial. <i>Heart</i> , <b>2020</b> ,	5.1	14
51	B-type natriuretic peptide levels stratify the risk for arrhythmia among implantable cardioverter defibrillator patients. <i>Clinical Cardiology</i> , <b>2008</b> , 31, 586-9	3.3	13
50	Nocturnal Atrial Fibrillation Caused by Mutation in KCND2, Encoding Pore-Forming (I) Subunit of the Cardiac Kv4.2 Potassium Channel. <i>Circulation Genomic and Precision Medicine</i> , <b>2018</b> , 11, e002293	5.2	13

49	INO-8875, a highly selective A1 adenosine receptor agonist: evaluation of chronotropic, dromotropic, and hemodynamic effects in rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2013</b> , 344, 59-67	4.7	11
48	Efficacy of substituting innovator propafenone for its generic formulation in patients with atrial fibrillation. <i>American Journal of Cardiology</i> , <b>2004</b> , 93, 1558-60	3	11
47	Cardiac manifestations following electrocution in children. <i>Cardiology in the Young</i> , <b>2008</b> , 18, 458-60	1	10
46	Safety, efficacy, and clinical applicability of pulmonary vein isolation with circular multi-electrode ablation systems: PVAC vs. nMARQ for atrial fibrillation ablation. <i>Europace</i> , <b>2016</b> , 18, 807-14	3.9	9
45	Rotational method simplifies 3-dimensional measurement of left atrial appendage dimensions during transesophageal echocardiography. <i>Cardiovascular Ultrasound</i> , <b>2016</b> , 14, 36	2.4	9
44	Atrial fibrillation/flutter induced by implantable ventricular defibrillator shocks: difference between epicardial and endocardial energy delivery. <i>Journal of Cardiovascular Electrophysiology</i> , <b>1997</b> , 8, 35-41	2.7	9
43	Thrombolytic therapy for acute myocardial infarction in a 110-year-old man. <i>American Journal of Cardiology</i> , <b>1993</b> , 71, 1122-3	3	9
42	ST elevation in leads V1 to V4 caused by isolated right ventricular ischemia and infarction. <i>Cardiology</i> , <b>1987</b> , 74, 396-9	1.6	9
41	QT Prolongation as an Isolated Long-Term Cardiac Manifestation of Dichlorvos Organophosphate Poisoning in Rats. <i>Cardiovascular Toxicology</i> , <b>2018</b> , 18, 24-32	3.4	8
40	Does it all go up in smoke? Cigarette smoking and tachyarrhythmias. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2006</b> , 17, 937-9	2.7	8
39	Variations in blood supply to the anterior interventricular septum: incidence and possible clinical importance. <i>Catheterization and Cardiovascular Diagnosis</i> , <b>1991</b> , 24, 277-82		8
38	CardiWall: A Trusted Firewall for the Detection of Malicious Clinical Programming of Cardiac Implantable Electronic Devices. <i>IEEE Access</i> , <b>2020</b> , 8, 48123-48140	3.5	7
37	Morbidity and mortality with cardiac resynchronization therapy with pacing vs. with defibrillation in octogenarian patients in a real-world setting. <i>Europace</i> , <b>2017</b> , 19, 1357-1363	3.9	7
36	The involvement of ZnT-1, a new modulator of cardiac L-type calcium channels, in [corrected] atrial tachycardia remodeling. [corrected]. <i>Annals of the New York Academy of Sciences</i> , <b>2010</b> , 1188, 87-95	6.5	7
35	Mexiletine related chronic defibrillation threshold elevation: case report and review of the literature. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2002</b> , 25, 507-8	1.6	7
34	Implantable cardioverter defibrillators in Israel: utilization and implantation trends. <i>International Journal of Cardiology</i> , <b>2002</b> , 82, 17-23	3.2	7
33	Transient complete atrioventricular block induced by a chest thump in a patient with ventricular tachycardia. <i>International Journal of Cardiology</i> , <b>1989</b> , 23, 395-6	3.2	7
32	Acute transient phlebitis during eptifibatid intravenous injection: case report. <i>Heart and Lung: Journal of Acute and Critical Care</i> , <b>2010</b> , 39, 235-6	2.6	5

31	Ventricular arrhythmias: risk stratification and approach to therapy after the Cardiac Arrhythmia Suppression Trial (CAST). <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>1990</b> , 13, 1480-7	1.6	5
30	Intravenous methylphenidate: an unusual way to provoke ST-elevation myocardial infarction. <i>American Journal of Emergency Medicine</i> , <b>2015</b> , 33, 313.e1-3	2.9	4
29	Insufficient compliance with current implantable cardioverter defibrillator (ICD) therapy guidelines in post myocardial infarction patients is associated with increased mortality. <i>International Journal of Cardiology</i> , <b>2013</b> , 166, 421-4	3.2	4
28	Conservative management of implantable cardioverter defibrillator-related endocarditis due to <i>Bacillus</i> spp. <i>Infection</i> , <b>2007</b> , 35, 114-7	5.8	4
27	Relation of atrial refractoriness to upper and lower limits of vulnerability for atrial fibrillation/flutter following implantable ventricular defibrillator shocks. <i>Circulation</i> , <b>1999</b> , 100, 1125-30	16.7	4
26	Transesophageal electrocardiography using a temporary pacing balloon-tipped electrode in acute cardiac care. <i>Annals of Emergency Medicine</i> , <b>1991</b> , 20, 961-3	2.1	4
25	Ablation-Induced Change in the Course of Fascicular Tachycardia. <i>Israel Medical Association Journal</i> , <b>2018</b> , 20, 43-50	0.9	4
24	Reduction in operator radiation exposure during transradial coronary procedures using a simple lead rectangle. <i>Heliyon</i> , <b>2017</b> , 3, e00254	3.6	3
23	Cardiac arrhythmia classification in 12-lead ECG using synthetic atrial activity signal <b>2012</b> ,		3
22	An innovative noninvasive respiratory stress test indicates significant coronary artery disease. <i>Cardiovascular Revascularization Medicine</i> , <b>2010</b> , 11, 20-8	1.6	3
21	Do the recently modified pacemaker guidelines for neurocardiogenic syncope also apply to young patients? Analysis based on five-year follow-up of israeli soldiers with syncope and a positive tilt test. <i>Cardiology</i> , <b>2004</b> , 102, 200-5	1.6	3
20	Atrial tachyarrhythmias induced by implatable defibrillator shocks: pathogenesis and follow-up results. <i>Journal of the American College of Cardiology</i> , <b>1990</b> , 15, A52	15.1	3
19	Sex-specific contemporary trends in incidence, prevalence and survival of patients with non-valvular atrial fibrillation: A long-term real-world data analysis. <i>PLoS ONE</i> , <b>2021</b> , 16, e0247097	3.7	3
18	Multisite cardiac resynchronization therapy for traditional and non-traditional indications. <i>Journal of Interventional Cardiac Electrophysiology</i> , <b>2018</b> , 51, 143-152	2.4	2
17	Site localization of painful lesions during radiofrequency ablation of pulmonary veins using circular multi-electrode catheters. <i>Journal of Interventional Cardiac Electrophysiology</i> , <b>2016</b> , 45, 63-9	2.4	2
16	Respiratory stress response: a novel diagnostic method for detection of significant coronary artery disease from finger pulse wave analysis during brief respiratory exercise. <i>American Journal of the Medical Sciences</i> , <b>2010</b> , 339, 440-7	2.2	2
15	Transient ventricular fibrillation. A clinical case report. <i>European Journal of Cardiovascular Nursing</i> , <b>2007</b> , 6, 337-9	3.3	2
14	Short- and long-term comparative study of anistreplase versus streptokinase in acute myocardial infarction. <i>Angiology</i> , <b>1992</b> , 43, 572-7	2.1	2

13	Safety and Feasibility of Contrast Injection During Pulmonary Vein Isolation with the nMARQ Multi-Electrode Catheter. <i>Journal of Atrial Fibrillation</i> , <b>2015</b> , 8, 1324	0.8	2
12	"Preventive" pacing in patients with tachy-brady syndrome (TBS): Confirming a common practice. <i>International Journal of Clinical Practice</i> , <b>2020</b> , 74, e13583	2.9	1
11	A Surface ECG-Based Algorithm to Determine the Atrial Refractoriness of Rodents During Electrophysiological Study. <i>Cardiovascular Engineering and Technology</i> , <b>2011</b> , 2, 388-398	2.2	1
10	Pseudoventricular fibrillation. <i>Critical Care Medicine</i> , <b>2001</b> , 29, 1835-6	1.4	1
9	Implantable defibrillator endocarditis. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>1999</b> , 22, 1120	1.6	1
8	Bedside termination of sustained ventricular tachycardia by transesophageal atrial pacing. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>1992</b> , 15, 849-53	1.6	1
7	Shifting from vitamin K antagonists to non-vitamin K antagonist oral anticoagulants in patients with atrial fibrillation: predictors, patterns and temporal trends. <i>BMC Cardiovascular Disorders</i> , <b>2021</b> , 21, 493	2.3	0
6	Letter by Shiyovich et al regarding article, "resumption of chest compressions after successful defibrillation and risk for recurrence of ventricular fibrillation in out-of-hospital cardiac arrest". <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2014</b> , 7, 1277	6.4	
5	Unusual hazard of outdoor CPR on a very hot day. <i>Resuscitation</i> , <b>2008</b> , 77, 293	4	
4	Absence of Increased Systemic Vascular Resistance During Syncopal Episodes in Patients with Tilt-Positive Neurocardiogenic Syncope. <i>Annals of Noninvasive Electrocardiology</i> , <b>1999</b> , 4, 121-129	1.5	
3	Right ventricular ischemia diagnosed by ST-segment elevation in precordial leads. <i>American Journal of Cardiology</i> , <b>1990</b> , 65, 1050	3	
2	Cardio-ML: Detection of malicious clinical programmings aimed at cardiac implantable electronic devices based on machine learning and a missing values resemblance framework. <i>Artificial Intelligence in Medicine</i> , <b>2021</b> , 122, 102200	7.4	
1	Educational outcomes of the first longitudinal integrated clerkship program in Israel. <i>International Journal of Medical Education</i> , <b>2021</b> , 12, 152-153	1.6	