

Amos Katz

List of Publications by Year in descending order

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104
papers

5,330
citations

172386

29
h-index

85498

71
g-index

107
all docs

107
docs citations

107
times ranked

6330
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2018, 391, 219-229.	6.3	651
2	Implant-based multiparameter telemonitoring of patients with heart failure (IN-TIME): a randomised controlled trial. <i>Lancet, The</i> , 2014, 384, 583-590.	6.3	594
3	J-Point Elevation in Survivors of Primary Ventricular Fibrillation and Matched Control Subjects. <i>Journal of the American College of Cardiology</i> , 2008, 52, 1231-1238.	1.2	528
4	Rivaroxaban with or without aspirin in patients with stable coronary artery disease: an international, randomised, double-blind, placebo-controlled trial. <i>Lancet, The</i> , 2018, 391, 205-218.	6.3	426
5	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> , 2009, 373, 1429-1439.	6.3	387
6	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</i> , 2019, 7, 618-628.	5.5	207
7	Distinguishing "benign" from "malignant" early repolarization: The value of the ST-segment morphology. <i>Heart Rhythm</i> , 2012, 9, 225-229.	0.3	198
8	Evaluation of Ranolazine in Patients With Type 2 Diabetes Mellitus and Chronic Stable Angina. <i>Journal of the American College of Cardiology</i> , 2013, 61, 2038-2045.	1.2	184
9	Cardioprotective cell therapy for advanced ischemic heart failure: results at 39 weeks of the prospective, randomized, double blind, sham-controlled CHART-1 clinical trial. <i>European Heart Journal</i> , 2017, 38, ehw543.	1.0	148
10	ECG signal compression using analysis by synthesis coding. <i>IEEE Transactions on Biomedical Engineering</i> , 2000, 47, 1308-1316.	2.5	131
11	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> , 2002, 89, 1114-1116.	0.7	121
12	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> , 2004, 1, 587-591.	0.3	118
13	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> , 1999, 138, 32-38.	1.2	88
14	ZnT-1 extrudes zinc from mammalian cells functioning as a Zn ²⁺ /H ⁺ exchanger. <i>Metallomics</i> , 2014, 6, 1656-1663.	1.0	71
15	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> , 1993, 21, 761-767.	1.2	63
16	Molecular Basis for Zinc Transporter 1 Action as an Endogenous Inhibitor of L-type Calcium Channels. <i>Journal of Biological Chemistry</i> , 2009, 284, 32434-32443.	1.6	58
17	Cardiovascular manifestations of ankylosing spondylitis. <i>Clinical Rheumatology</i> , 1987, 6, 588-592.	1.0	52
18	Potential value of automated daily screening of cardiac resynchronization therapy defibrillator diagnostics for prediction of major cardiovascular events: results from Home-CARE (Home) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T 1019-1027.	2.9	51

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19	Crosstalk between L-type calcium channels and ZnT-1, a new player in rate-dependent cardiac electrical remodeling. <i>Cell Calcium</i> , 2007, 42, 71-82.	1.1	47
20	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> , 2006, 27, 469-475.	1.0	46
21	Initial Experience with a New Algorithm for Automatic Mode Switching from DDDR to DDIR Mode. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1994, 17, 1908-1912.	0.5	40
22	Clinical Evaluation of a New Single Pass Lead VDD Pacing System. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1994, 17, 1859-1864.	0.5	38
23	Influence of gender in the therapeutic management of patients with acute myocardial infarction in Israel. <i>American Journal of Cardiology</i> , 1994, 73, 438-443.	0.7	36
24	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> , 2012, 303, C192-C203.	2.1	36
25	ZnT-1 protects HL-1 cells from simulated ischemiaâ€“reperfusion through activation of Rasâ€“ERK signaling. <i>Journal of Molecular Medicine</i> , 2012, 90, 127-138.	1.7	36
26	The effect of green Mediterranean diet on cardiometabolic risk; a randomised controlled trial. <i>Heart</i> , 2021, 107, 1054-1061.	1.2	35
27	Neutrophil superoxide release and interleukin 8 in acute myocardial infarction: distinction between complicated and uncomplicated states. <i>European Journal of Clinical Investigation</i> , 1997, 27, 398-404.	1.7	34
28	Advanced atrioventricular conduction block in acute rheumatic fever. <i>Cardiology in the Young</i> , 2003, 13, 506-508.	0.4	34
29	Single Lead VDD Pacing: Multicenter Study. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1996, 19, 1768-1771.	0.5	32
30	Prevention of Infections Associated With Permanent Cardiac Antiarrhythmic Devices by Implementation of a Comprehensive Infection Control Program. <i>Infection Control and Hospital Epidemiology</i> , 2004, 25, 492-497.	1.0	30
31	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> , 2010, 340, 271-275.	0.4	30
32	Ultra-Short-Term Heart Rate Variability for Early Risk Stratification following Acute ST-Elevation Myocardial Infarction. <i>Cardiology</i> , 2009, 114, 275-283.	0.6	29
33	Association of statin therapy and the risk of atrial fibrillation in patients with a permanent pacemaker. <i>Clinical Cardiology</i> , 2006, 29, 249-252.	0.7	28
34	Left Atrial Function during Pregnancy: A Threeâ€“Dimensional Echocardiographic Study. <i>Echocardiography</i> , 2012, 29, 1096-1101.	0.3	28
35	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> , 2008, 295, H1460-H1469.	1.5	26
36	Long QT Syndrome Complicating Atrioventricular Block. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014, 7, 1129-1135.	2.1	26

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37	Oral mexiletine-theophylline interaction. <i>International Journal of Cardiology</i> , 1987, 17, 227-228.	0.8	23
38	Thrombolytic therapy in acute pancreatitis presenting as acute myocardial infarction. <i>International Journal of Cardiology</i> , 1995, 49, 279-281.	0.8	23
39	Atrial Tachycardia as the Presenting Sign of a Left Atrial Appendage Aneurysm. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2000, 23, 283-285.	0.5	23
40	Deleterious effects of intravenous verapamil in Wolff-Parkinson-White patients and atrial fibrillation. <i>Cardiovascular Drugs and Therapy</i> , 1989, 2, 801-806.	1.3	22
41	Atrial Fibrillation and Plasma Troponin I Elevation After Cardiac Surgery: Relation to Inflammation-Associated Parameters. <i>Journal of Cardiac Surgery</i> , 2007, 22, 117-123.	0.3	22
42	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> , 2015, 12, 1105-1112.	0.3	22
43	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> , 2016, 20, 1513-1520.	3.9	22
44	Zinc transport and the inhibition of the L-type calcium channel are two separable functions of ZnT-1. <i>Metallomics</i> , 2017, 9, 228-238.	1.0	22
45	Nocturnal Atrial Fibrillation Caused by Mutation in <i>KCNQ2</i> , Encoding Pore-Forming (α) Subunit of the Cardiac Kv4.2 Potassium Channel. <i>Circulation Genomic and Precision Medicine</i> , 2018, 11, e002293.	1.6	22
46	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> , 2000, 11, 244-254.	0.8	21
47	Correlation Between Atrial ZnT-1 Expression and Atrial Fibrillation in Humans: A Pilot Study. <i>Journal of Cardiovascular Electrophysiology</i> , 2008, 19, 157-164.	0.8	21
48	Swallowing-induced Atrial Tachyarrhythmia Triggered by Salbutamol: Case Report and Review of the Literature. <i>Clinical Cardiology</i> , 2010, 33, E116-20.	0.7	20
49	A New Method for Direct Three-Dimensional Measurement of Left Atrial Appendage Dimensions during Transesophageal Echocardiography. <i>Echocardiography</i> , 2016, 33, 69-76.	0.3	20
50	Evaluation of a New Rate Adaptive Ventricular Pacemaker Controlled by Double Sensors. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1995, 18, 386-390.	0.5	16
51	Efficacy of substituting innovator propafenone for its generic formulation in patients with atrial fibrillation. <i>American Journal of Cardiology</i> , 2004, 93, 1558-1560.	0.7	16
52	B-type Natriuretic Peptide Levels Stratify the Risk for Arrhythmia Among Implantable Cardioverter Defibrillator Patients. <i>Clinical Cardiology</i> , 2008, 31, 586-589.	0.7	16
53	Manual vs. automatic capture management in implantable cardioverter defibrillators and cardiac resynchronization therapy defibrillators. <i>Europace</i> , 2010, 12, 811-816.	0.7	16
54	Atrial Electrical Activity Detection Using Linear Combination of 12-Lead ECG Signals. <i>IEEE Transactions on Biomedical Engineering</i> , 2014, 61, 1034-1043.	2.5	15

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55	CardiWall: A Trusted Firewall for the Detection of Malicious Clinical Programming of Cardiac Implantable Electronic Devices. IEEE Access, 2020, 8, 48123-48140.	2.6	15
56	QT Prolongation as an Isolated Long-Term Cardiac Manifestation of Dichlorvos Organophosphate Poisoning in Rats. Cardiovascular Toxicology, 2018, 18, 24-32.	1.1	14
57	INO-8875, a Highly Selective A ₁ Adenosine Receptor Agonist: Evaluation of Chronotropic, Dromotropic, and Hemodynamic Effects in Rats. Journal of Pharmacology and Experimental Therapeutics, 2013, 344, 59-67.	1.3	13
58	Cardiac manifestations following electrocution in children. Cardiology in the Young, 2008, 18, 458-60.	0.4	12
59	Safety, efficacy, and clinical applicability of pulmonary vein isolation with circular multi-electrode ablation systems: PVAC [®] vs. nMARQ [®] for atrial fibrillation ablation. Europace, 2016, 18, 807-814.	0.7	12
60	The involvement of Zn ²⁺ , a new modulator of cardiac L-type calcium channels, in remodeling atrial tachycardia. Annals of the New York Academy of Sciences, 2010, 1188, 87-95.	1.8	11
61	Morbidity and mortality with cardiac resynchronization therapy with pacing vs. with defibrillation in octogenarian patients in a real-world setting. Europace, 2017, 19, euw238.	0.7	11
62	Diet-induced Fasting Ghrelin Elevation Reflects the Recovery of Insulin Sensitivity and Visceral Adiposity Regression. Journal of Clinical Endocrinology and Metabolism, 2022, 107, 336-345.	1.8	11
63	Implantable cardioverter defibrillators in Israel: utilization and implantation trends. International Journal of Cardiology, 2002, 82, 17-23.	0.8	10
64	ST Elevation in Leads V1 to V4 Caused by Isolated Right Ventricular Ischemia and Infarction. Cardiology, 1987, 74, 396-399.	0.6	9
65	Thrombolytic therapy for acute myocardial infarction in a 110-year-old man. American Journal of Cardiology, 1993, 71, 1122-1123.	0.7	9
66	Atrial Fibrillation/Flutter Induced by Implantable Ventricular Defibrillator Shocks:.. Journal of Cardiovascular Electrophysiology, 1997, 8, 35-41.	0.8	9
67	Rotational method simplifies 3-dimensional measurement of left atrial appendage dimensions during transesophageal echocardiography. Cardiovascular Ultrasound, 2015, 14, 36.	0.5	9
68	Variations in blood supply to the anterior interventricular septum: Incidence and possible clinical importance. Catheterization and Cardiovascular Diagnosis, 1991, 24, 277-282.	0.7	8
69	Mexiletine Related Chronic Defibrillation Threshold Elevation: Case Report and Review of the Literature. PACE - Pacing and Clinical Electrophysiology, 2002, 25, 507-508.	0.5	8
70	Does It All Go up in Smoke? Cigarette Smoking and Tachyarrhythmias. Journal of Cardiovascular Electrophysiology, 2006, 17, 937-939.	0.8	8
71	Transient complete atrioventricular block induced by a chest thump in a patient with ventricular tachycardia. International Journal of Cardiology, 1989, 23, 395-396.	0.8	7
72	Acute transient phlebitis during eptifibatid intravenous injection: Case report. Heart and Lung: Journal of Acute and Critical Care, 2010, 39, 235-236.	0.8	7

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73	Intravenous methylphenidate: an unusual way to provoke ST-elevation myocardial infarction. <i>American Journal of Emergency Medicine</i> , 2015, 33, 313.e1-313.e3.	0.7	7
74	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> , 2021, 16, e0247097.	1.1	7
75	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> , 2013, 166, 421-424.	0.8	6
76	Ventricular Arrhythmias: Risk Stratification and Approach to Therapy After the Cardiac Arrhythmia Suppression Trial (CAST). <i>PACE - Pacing and Clinical Electrophysiology</i> , 1990, 13, 1480-1487.	0.5	5
77	Transesophageal electrocardiography using a temporary pacing balloon-tipped electrode in acute cardiac care. <i>Annals of Emergency Medicine</i> , 1991, 20, 961-963.	0.3	5
78	Conservative Management of Implantable Cardioverter Defibrillator-Related Endocarditis Due to <i>Bacillus</i> spp.. <i>Infection</i> , 2007, 35, 114-117.	2.3	5
79	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> , 2010, 339, 440-447.	0.4	5
80	Cardiac arrhythmia classification in 12-lead ECG using synthetic atrial activity signal. , 2012, , .		5
81	Reduction in operator radiation exposure during transradial coronary procedures using a simple lead rectangle. <i>Heliyon</i> , 2017, 3, e00254.	1.4	5
82	Relation of Atrial Refractoriness to Upper and Lower Limits of Vulnerability for Atrial Fibrillation/Flutter Following Implantable Ventricular Defibrillator Shocks. <i>Circulation</i> , 1999, 100, 1125-1130.	1.6	4
83	Do the Recently Modified Pacemaker Guidelines for Neurocardiogenic Syncope Also Apply to Young Patients?. <i>Cardiology</i> , 2004, 102, 200-205.	0.6	4
84	Atrial Fibrillation in the Elderly: To Ablate or Not to Ablate. <i>Journal of Cardiovascular Electrophysiology</i> , 2013, 24, 739-741.	0.8	4
85	Ablation-Induced Change in the Course of Fascicular Tachycardia. <i>Israel Medical Association Journal</i> , 2018, 20, 43-50.	0.1	4
86	Atrial tachyarrhythmias induced by implatable defibrillator shocks: pathogenesis and follow-up results. <i>Journal of the American College of Cardiology</i> , 1990, 15, A52.	1.2	3
87	Short- and Long-Term Comparative Study of Anistreplase Versus Streptokinase in Acute Myocardial Infarction. <i>Angiology</i> , 1992, 43, 572-577.	0.8	3
88	Site localization of painful lesions during radiofrequency ablation of pulmonary veins using circular multi-electrode catheters. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2016, 45, 63-69.	0.6	3
89	Safety and Feasibility of Contrast Injection During Pulmonary Vein Isolation with the nMARQâ„¢ Multi-Electrode Catheter. <i>Journal of Atrial Fibrillation</i> , 2015, 8, 1324.	0.5	3
90	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> , 2021, 21, 493.	0.7	3

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91	Transient Ventricular Fibrillation. A Clinical Case Report. European Journal of Cardiovascular Nursing, 2007, 6, 337-339.	0.4	2
92	Multisite cardiac resynchronization therapy for traditional and non-traditional indications. Journal of Interventional Cardiac Electrophysiology, 2018, 51, 143-152.	0.6	2
93	"Preventive" pacing in patients with tachy-brady syndrome (TBS): Confirming a common practice. International Journal of Clinical Practice, 2020, 74, e13583.	0.8	2
94	Cardio-ML: Detection of Malicious Clinical Programmings Aimed at Cardiac Implantable Electronic Devices Based on Machine Learning and a Missing Values Resemblance Framework. Artificial Intelligence in Medicine, 2021, 122, 102200.	3.8	2
95	Bedside Termination of Sustained Ventricular Tachycardia by Transesophageal Atrial Pacing. PACE - Pacing and Clinical Electrophysiology, 1992, 15, 849-854.	0.5	1
96	Implantable Defibrillator Endocarditis. PACE - Pacing and Clinical Electrophysiology, 1999, 22, 1120-1120.	0.5	1
97	Pseudoventricular fibrillation. Critical Care Medicine, 2001, 29, 1835-1836.	0.4	1
98	A Surface ECG-Based Algorithm to Determine the Atrial Refractoriness of Rodents During Electrophysiological Study. Cardiovascular Engineering and Technology, 2011, 2, 388-398.	0.7	1
99	Right ventricular ischemia diagnosed by ST-segment elevation in precordial leads. American Journal of Cardiology, 1990, 65, 1050.	0.7	0
100	Absence of Increased Systemic Vascular Resistance During Syncopal Episodes in Patients with Tilt-Positive Neurocardiogenic Syncope. Annals of Noninvasive Electrocardiology, 1999, 4, 121-129.	0.5	0
101	Unusual hazard of outdoor CPR on a very hot day. Resuscitation, 2008, 77, 293.	1.3	0
102	The "Shock Factor": ICD Configuration and Programming to Optimize Shock Treatment. Journal of Cardiovascular Electrophysiology, 2011, 22, 1030-1033.	0.8	0
103	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": Circulation: Arrhythmia and Electrophysiology, 2014, 7, 1277-1277.	2.1	0
104	Educational outcomes of the first longitudinal integrated clerkship program in Israel. International Journal of Medical Education, 2021, 12, 152-153.	0.6	0