

Elad Maor

List of Publications by Year in descending order

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127
papers

3,054
citations

172457

29
h-index

197818

49
g-index

139
all docs

139
docs citations

139
times ranked

4207
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effect of Irreversible Electroporation on Blood Vessels. Technology in Cancer Research and Treatment, 2007, 6, 307-312.	1.9	300
2	Global, regional, and national burden of ischaemic heart disease and its attributable risk factors, 1990–2017: results from the Global Burden of Disease Study 2017. European Heart Journal Quality of Care & Clinical Outcomes, 2022, 8, 50-60.	4.0	154
3	Global, regional, and national prevalence, incidence, mortality, and risk factors for atrial fibrillation, 1990–2017: results from the Global Burden of Disease Study 2017. European Heart Journal Quality of Care & Clinical Outcomes, 2021, 7, 574-582.	4.0	128
4	Non Thermal Irreversible Electroporation: Novel Technology for Vascular Smooth Muscle Cells Ablation. PLoS ONE, 2009, 4, e4757.	2.5	127
5	Nonthermal Irreversible Electroporation for Tissue Decellularization. Journal of Biomechanical Engineering, 2010, 132, 091003.	1.3	97
6	Association of Serum Uric Acid and Cardiovascular Disease in Healthy Adults. American Journal of Cardiology, 2013, 111, 1146-1151.	1.6	96
7	Transcatheter and Surgical Management of Mitral Paravalvular Leak. JACC: Cardiovascular Interventions, 2017, 10, 1946-1956.	2.9	81
8	Pulsed electric fields for cardiac ablation and beyond: A state-of-the-art review. Heart Rhythm, 2019, 16, 1112-1120.	0.7	77
9	<i>In vivo</i> imaging of irreversible electroporation by means of electrical impedance tomography. Physics in Medicine and Biology, 2009, 54, 4927-4943.	3.0	65
10	Acute Changes in Left Atrial Pressure After MitraClip Are Associated With Improvement in 6-Minute Walk Distance. Circulation: Cardiovascular Interventions, 2017, 10, .	3.9	63
11	2D and 3D Echocardiography-Derived Indices of Left Ventricular Function and Shape. JACC: Cardiovascular Imaging, 2018, 11, 1569-1579.	5.3	60
12	Adverse Cardiovascular and Pulmonary Events Associated With Chimeric Antigen Receptor T-Cell Therapy. Journal of the American College of Cardiology, 2021, 78, 1800-1813.	2.8	55
13	Vascular Smooth Muscle Cells Ablation with Endovascular Nonthermal Irreversible Electroporation. Journal of Vascular and Interventional Radiology, 2010, 21, 1708-1715.	0.5	52
14	Low ALT blood levels predict long-term all-cause mortality among adults. A historical prospective cohort study. European Journal of Internal Medicine, 2014, 25, 919-921.	2.2	52
15	Techniques and Outcomes of Percutaneous Aortic Paravalvular Leak Closure. JACC: Cardiovascular Interventions, 2016, 9, 2416-2426.	2.9	51
16	Body mass index and the risk of new-onset atrial fibrillation in middle-aged adults. American Heart Journal, 2016, 173, 41-48.	2.7	50
17	Optimization of Irreversible Electroporation Protocols for In-vivo Myocardial Decellularization. PLoS ONE, 2016, 11, e0165475.	2.5	49
18	Voice Signal Characteristics Are Independently Associated With Coronary Artery Disease. Mayo Clinic Proceedings, 2018, 93, 840-847.	3.0	47

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19	Current and Future Use of Robotic Devices to Perform Percutaneous Coronary Interventions: A Review. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	46
20	Irreversible electroporation for catheter-based cardiac ablation: a systematic review of the preclinical experience. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2019, 55, 251-265.	1.3	46
21	Exercise haemodynamics may unmask the diagnosis of diastolic dysfunction among patients with pulmonary hypertension. <i>European Journal of Heart Failure</i> , 2015, 17, 151-158.	7.1	45
22	Cardiovascular adverse events associated with hydroxychloroquine and chloroquine: A comprehensive pharmacovigilance analysis of preâ€œCOVIDâ€œ19 reports. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 1432-1442.	2.4	45
23	Exercise Blood Pressure and the Risk for Future Hypertension Among Normotensive Middleâ€œAged Adults. <i>Journal of the American Heart Association</i> , 2015, 4, .	3.7	43
24	Irreversible electroporation for the treatment of cardiac arrhythmias. <i>Expert Review of Cardiovascular Therapy</i> , 2018, 16, 349-360.	1.5	42
25	The Unique Clinical Features and Outcome of Infectious Endocarditis and Vertebral Osteomyelitis Co-infection. <i>American Journal of Medicine</i> , 2014, 127, 669.e9-669.e15.	1.5	41
26	Elimination of Purkinje Fibers by Electroporation Reduces Ventricular Fibrillation Vulnerability. <i>Journal of the American Heart Association</i> , 2018, 7, e009070.	3.7	40
27	Irreversible Electroporation Attenuates Neointimal Formation After Angioplasty. <i>IEEE Transactions on Biomedical Engineering</i> , 2008, 55, 2268-2274.	4.2	39
28	Intrapulmonary Vein Ablation Without Stenosis: A Novel Balloonâ€œBased Direct Current Electroporation Approach. <i>Journal of the American Heart Association</i> , 2018, 7, .	3.7	37
29	The association between fasting plasma glucose and glycated hemoglobin in the prediabetes range and future development of hypertension. <i>Cardiovascular Diabetology</i> , 2019, 18, 53.	6.8	36
30	Vocal Biomarker Is Associated With Hospitalization and Mortality Among Heart Failure Patients. <i>Journal of the American Heart Association</i> , 2020, 9, e013359.	3.7	35
31	Metabolic syndrome, obesity, and the risk of cancer development. <i>European Journal of Internal Medicine</i> , 2016, 34, 89-93.	2.2	33
32	Retinal Microvascular Signs as Screening and Prognostic Factors for Cardiac Disease: A Systematic Review of Current Evidence. <i>American Journal of Medicine</i> , 2021, 134, 36-47.e7.	1.5	32
33	Use of exercise capacity to improve SCORE risk prediction model in asymptomatic adults. <i>European Heart Journal</i> , 2016, 37, 2300-2306.	2.2	26
34	Procedural trends, outcomes, and readmission rates preâ€œand postâ€œFDA approval for MitraClip from the National Readmission Database (2013â€œ14). <i>Catheterization and Cardiovascular Interventions</i> , 2018, 91, 1171-1181.	1.7	26
35	Non-invasive vocal biomarker is associated with pulmonary hypertension. <i>PLoS ONE</i> , 2020, 15, e0231441.	2.5	26
36	The association between cardiorespiratory fitness and cardiovascular risk may be modulated by known cardiovascular risk factors. <i>American Heart Journal</i> , 2015, 169, 916-923.e1.	2.7	25

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37	Relation of Neutrophil to Lymphocyte Ratio to Risk of Incident Atrial Fibrillation. American Journal of Cardiology, 2019, 123, 396-401.	1.6	25
38	Impact of coronary chronic total occlusions on long-term mortality in patients undergoing coronary artery bypass grafting. Interactive Cardiovascular and Thoracic Surgery, 2014, 18, 713-716.	1.1	23
39	Clinical impact of diabetes mellitus in patients undergoing transcatheter aortic valve replacement. Cardiovascular Diabetology, 2015, 14, 131.	6.8	23
40	Outcomes of Transcatheter and Surgical Aortic Valve Replacement in Patients on Maintenance Dialysis. American Journal of Medicine, 2017, 130, 1464.e1-1464.e11.	1.5	23
41	Building Blocks of Structural Intervention. Circulation: Cardiovascular Interventions, 2017, 10, .	3.9	23
42	Dynamic effects of point source electroporation on the rat brain tissue. Bioelectrochemistry, 2014, 99, 30-39.	4.6	22
43	Impaired fasting glucose and left ventricular diastolic dysfunction in middle-age adults: a retrospective cross-sectional analysis of 2971 subjects. Cardiovascular Diabetology, 2015, 14, 119.	6.8	22
44	Cardiac ablation with pulsed electric fields: principles and biophysics. Europace, 2022, 24, 1213-1222.	1.7	22
45	Endovascular Nonthermal Irreversible Electroporation: A Finite Element Analysis. Journal of Biomechanical Engineering, 2010, 132, 031008.	1.3	21
46	Principles of Tissue Engineering With Nonthermal Irreversible Electroporation. Journal of Heat Transfer, 2011, 133, .	2.1	21
47	Obesity and exercise-induced ectopic ventricular arrhythmias in apparently healthy middle aged adults. European Journal of Preventive Cardiology, 2016, 23, 511-517.	1.8	21
48	Cardiorespiratory Fitness Is an Independent Predictor of Cardiovascular Morbidity and Mortality and Improves Accuracy of Prediction Models. Canadian Journal of Cardiology, 2021, 37, 241-250.	1.7	20
49	Left atrial pressure and predictors of survival after percutaneous mitral paravalvular leak closure. Catheterization and Cardiovascular Interventions, 2017, 90, 861-869.	1.7	19
50	Cardiorespiratory fitness and survival following cancer diagnosis. European Journal of Preventive Cardiology, 2021, 28, 1242-1249.	1.8	19
51	Favorable Short-Term and Long-Term Outcomes Among Patients With Prior History of Malignancy Undergoing Transcatheter Aortic Valve Implantation. Journal of Invasive Cardiology, 2018, 30, 105-109.	0.4	19
52	Metformin therapy in patients with diabetes mellitus is associated with a reduced risk of vasculopathy and cardiovascular mortality after heart transplantation. Cardiovascular Diabetology, 2019, 18, 118.	6.8	17
53	Cardiovascular Toxicities of Antiangiogenic Tyrosine Kinase Inhibitors: A Retrospective, Pharmacovigilance Study. Targeted Oncology, 2021, 16, 471-483.	3.6	17
54	Thrombophilic state in young patients with acute myocardial infarction. Journal of Thrombosis and Thrombolysis, 2015, 39, 474-480.	2.1	16

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55	Hyperglycaemic disorders associated with PCSK9 inhibitors: a real-world, pharmacovigilance study. <i>European Journal of Preventive Cardiology</i> , 2022, 29, 1334-1342.	1.8	16
56	Differences in Heart Rate Profile During Exercise Among Subjects with Subclinical Thyroid Disease. <i>Thyroid</i> , 2013, 23, 1226-1232.	4.5	15
57	Relation Between Stroke Volume Index to Risk of Death in Patients With Low-Gradient Severe Aortic Stenosis and Preserved Left Ventricular Function. <i>American Journal of Cardiology</i> , 2014, 114, 449-455.	1.6	15
58	Vascular complications in steroid treated patients undergoing transfemoral aortic valve implantation. <i>Catheterization and Cardiovascular Interventions</i> , 2016, 87, 341-346.	1.7	15
59	Effect of percutaneous paravalvular leak closure on hemolysis. <i>Catheterization and Cardiovascular Interventions</i> , 2019, 93, 713-719.	1.7	15
60	Reversible Atrioventricular Conduction Impairment Following Bipolar Nanosecond Electroporation of the Interventricular Septum. <i>JACC: Clinical Electrophysiology</i> , 2021, 7, 255-257.	3.2	15
61	Noninvasive Vocal Biomarker is Associated With Severe Acute Respiratory Syndrome Coronavirus 2 Infection. <i>Mayo Clinic Proceedings Innovations, Quality & Outcomes</i> , 2021, 5, 654-662.	2.4	15
62	Precipitating Factors for Acute Heart Failure Hospitalization and Long-Term Survival. <i>Medicine (United States)</i> , 2015, 94, e2330.	1.0	14
63	Attenuated peripheral endothelial function among women treated with aromatase inhibitors for breast cancer. <i>Coronary Artery Disease</i> , 2018, 29, 687-693.	0.7	14
64	Effect of Mildly Attenuated Heart Rate Response During Treadmill Exercise Testing on Cardiovascular Outcome in Healthy Men and Women. <i>American Journal of Cardiology</i> , 2013, 112, 1373-1378.	1.6	12
65	Survival after intervention in patients with low gradient severe aortic stenosis and preserved left ventricular function. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 2823-2828.	0.8	12
66	Transcatheter Aortic Valve Replacement Outcomes in Patients With Native vs Transplanted Kidneys: Data From an International Multicenter Registry. <i>Canadian Journal of Cardiology</i> , 2019, 35, 1114-1123.	1.7	12
67	Transcatheter Aortic Valve Implantation During the COVID-19 Pandemic. <i>American Journal of Cardiology</i> , 2021, 145, 97-101.	1.6	12
68	A hybrid technique for treatment of commissural primary mitral regurgitation. <i>Catheterization and Cardiovascular Interventions</i> , 2019, 93, 692-698.	1.7	11
69	Time dependent changes in high density lipoprotein cholesterol and cardiovascular risk. <i>International Journal of Cardiology</i> , 2014, 173, 295-299.	1.7	10
70	Validation of cardiac damage classification and addition of albumin in a large cohort of patients undergoing transcatheter aortic valve replacement. <i>International Journal of Cardiology</i> , 2020, 304, 23-28.	1.7	10
71	Comparing High-Frequency With Monophasic Electroporation Protocols in an In Vivo Beating Heart Model. <i>JACC: Clinical Electrophysiology</i> , 2021, 7, 959-964.	3.2	10
72	Percutaneous transcatheter biopsy for intracardiac mass diagnosis. <i>EuroIntervention</i> , 2017, 13, e1436-e1443.	3.2	10

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73	Noninvasive Voice Biomarker Is Associated With Incident Coronary Artery Disease Events at Follow-up. Mayo Clinic Proceedings, 2022, 97, 835-846.	3.0	10
74	Time-dependent relation between smoking cessation and improved exercise tolerance in apparently healthy middle-age men and women. European Journal of Preventive Cardiology, 2015, 22, 807-814.	1.8	9
75	Outcomes of Transcatheter Aortic Valve Implantation in Patients With Low Versus Intermediate to High Surgical Risk. American Journal of Cardiology, 2019, 123, 644-649.	1.6	9
76	Norton score and clinical outcomes following acute decompensated heart failure hospitalization. Journal of Cardiology, 2020, 76, 335-341.	1.9	9
77	Intravascular irreversible electroporation: Theoretical and experimental feasibility study. , 2008, 2008, 2051-4.		8
78	Early Referral to Coronary Artery Bypass Grafting Following Acute Coronary Syndrome, Trends and Outcomes from the Acute Coronary Syndrome Israeli Survey (ACSIS) 2000â€“2010. Heart Lung and Circulation, 2018, 27, 175-182.	0.4	8
79	The Association of Severe Tricuspid Regurgitation with Poor Survival Is Modified by Right Ventricular Pressure and Function: Insights from SHEBAHEART Big Data. Journal of the American Society of Echocardiography, 2022, 35, 1028-1036.	2.8	8
80	Gender-Related Cardiovascular Risk in Healthy Middle-Aged Adults. American Journal of Cardiology, 2016, 118, 1669-1673.	1.6	7
81	Exercise systolic blood pressure variability is associated with increased risk for new-onset hypertension among normotensive adults. Journal of the American Society of Hypertension, 2016, 10, 527-535.e2.	2.3	7
82	Improved long-term outcomes after heart transplantation utilizing donors with a traumatic mode of brain death. Journal of Cardiothoracic Surgery, 2019, 14, 138.	1.1	7
83	Preoperative Statin Therapy and Heart Transplantation Outcomes. Annals of Thoracic Surgery, 2020, 110, 1280-1285.	1.3	6
84	Postâ€“STâ€“Segmentâ€“Elevation Myocardial Infarction Platelet Reactivity Is Associated With the Extent of Microvascular Obstruction and Infarct Size as Determined by Cardiac Magnetic Resonance Imaging. Journal of the American Heart Association, 2022, 11, e020973.	3.7	6
85	Mineralocorticoid receptor antagonist use in eligible patients following acute myocardial infarction: Real world data from the Acute Coronary Syndrome Israeli Surveys: 2004â€“2010. International Journal of Cardiology, 2013, 168, 3971-3976.	1.7	5
86	Addition of beta-blockers to digoxin is associated with improved 1- and 10-year survival of patients hospitalized due to decompensated heart failure. International Journal of Cardiology, 2016, 221, 198-204.	1.7	5
87	Gender disparities in the functional significance of anemia among apparently healthy adults. European Journal of Haematology, 2017, 98, 435-442.	2.2	5
88	Clinical Outcome and Safety of Transcaval Access for Transcatheter Aortic Valve Replacement as Compared to Other Alternative Approaches. Frontiers in Cardiovascular Medicine, 2021, 8, 731639.	2.4	5
89	MitraClip implantation for high risk patients with severe mitral regurgitation: the Sheba experience. Israel Medical Association Journal, 2014, 16, 91-5.	0.1	5
90	Pulmonary Hypertension Is Associated With Systemic Arterial Hypertension Among Patients With Normal Left Ventricular Diastolic Function. Journal of the American Heart Association, 2021, 10, e023603.	3.7	5

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91	Ventricular nanosecond pulsed electric field delivery using active fixation leads: a proof-of-concept preclinical study. <i>Journal of Interventional Cardiac Electrophysiology</i> , 0, , .	1.3	5
92	Invasive Management in Older Adults (≥80 Years) With Non-ST Elevation Myocardial Infarction. <i>Mayo Clinic Proceedings</i> , 2022, 97, 1247-1256.	3.0	5
93	Age-Dependent Effect of Left Ventricular Ejection Fraction on Long-Term Mortality in Patients With Heart Failure (from the Heart Failure Survey in Israel). <i>American Journal of Cardiology</i> , 2013, 112, 1901-1906.	1.6	4
94	Poor Heart Rate Recovery Is Associated With the Development of New-Onset Atrial Fibrillation in Middle-Aged Adults. <i>Mayo Clinic Proceedings</i> , 2016, 91, 1769-1777.	3.0	4
95	Percutaneous closure of subannular rupture following transcatheter aortic valve implantation. <i>EuroIntervention</i> , 2018, 13, 1536-1537.	3.2	4
96	The impact of diabetes on short-, intermediate- and long-term mortality following left ventricular assist device implantation. <i>European Journal of Cardio-thoracic Surgery</i> , 2022, 61, 1432-1437.	1.4	4
97	De novo mitral regurgitation as a cause of heart failure exacerbation in patients with hypertrophic cardiomyopathy. <i>International Journal of Cardiology</i> , 2018, 252, 122-127.	1.7	3
98	Comparison of permanent pacemaker implantation rate after first and second generation of transcatheter aortic valve implantation—A retrospective cohort study. <i>Catheterization and Cardiovascular Interventions</i> , 2021, 98, E990-E999.	1.7	3
99	The Association of Moderate Aortic Stenosis with Poor Survival Is Modified by Age and Left Ventricular Function: Insights from SHEBAHEART Big Data. <i>Journal of the American Society of Echocardiography</i> , 2022, 35, 378-386.e3.	2.8	3
100	Sex Disparities in First Medical Contact of Patients with Suspected Acute Coronary Syndrome Using Telemedicine Technology. <i>Telemedicine Journal and E-Health</i> , 2020, 26, 411-418.	2.8	2
101	Relation of Low Serum Magnesium to Mortality and Cardiac Allograft Vasculopathy Following Heart Transplantation. <i>American Journal of Cardiology</i> , 2020, 125, 1517-1523.	1.6	2
102	Pacing burden and clinical outcomes after transcatheter aortic valve replacement—A real-world registry report. <i>Heart Rhythm</i> , 2022, 19, 1508-1515.	0.7	2
103	Cardiac stress test is normal in pre-motor Parkinson's disease. <i>Movement Disorders</i> , 2014, 29, 1158-1162.	3.9	1
104	TRANSCATHETER MITRAL VALVE REPAIR(MITRA CLIP) IN UNITED STATES: LENGTH OF STAY AND COST OF HOSPITALIZATIONS FROM THE NATIONWIDE READMISSION DATABASE.. <i>Journal of the American College of Cardiology</i> , 2017, 69, 1133.	2.8	1
105	The impact of left ventricular ejection fraction on heart failure patients with pulmonary hypertension. <i>Heart and Lung: Journal of Acute and Critical Care</i> , 2019, 48, 502-506.	1.6	1
106	High fitness might be associated with the development of new-onset atrial fibrillation in obese non-athletic adults. <i>International Journal of Clinical Practice</i> , 2020, 74, e13638.	1.7	1
107	TAVR review of reviews: A new view on the horizon. <i>International Journal of Cardiology</i> , 2020, 318, 43-44.	1.7	1
108	Don't Trust the Imaging. <i>JACC: Case Reports</i> , 2020, 2, 2339-2343.	0.6	1

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109	Clinical Predictors of Mortality in Prehospital Distress Calls by Emergency Medical Service Subscribers. <i>Journal of Clinical Medicine</i> , 2021, 10, 5355.	2.4	1
110	Umbilical Cord Blood Cells for Cardiac Repair. , 2008, , 59-72.		0
111	TCT-480 Prior Clopidogrel Therapy in Patients Presenting with Acute Coronary Syndromes (ACS) is Associated with Increase Risk of Stent Thrombosis. <i>Journal of the American College of Cardiology</i> , 2014, 64, B141.	2.8	0
112	POOR HEART RATE RESERVE PREDICTS NEW ONSET ATRIAL FIBRILLATION IN MIDDLE AGED ADULTS. <i>Journal of the American College of Cardiology</i> , 2016, 67, 853.	2.8	0
113	RAPID VENTRICULAR PACING DURING TAVR IS ASSOCIATED WITH POOR SHORT- AND LONG-TERM OUTCOME. <i>Journal of the American College of Cardiology</i> , 2017, 69, 1343.	2.8	0
114	Wrist or Groin? Learning From the Wisdom of the Crowd. <i>Cardiovascular Revascularization Medicine</i> , 2018, 19, 142-143.	0.8	0
115	Echocardiographic Ventricular Septal Motion Abnormalities Are Associated With Pre-Capillary Pulmonary Hypertension in Patients With Preserved Left Ventricular Function. <i>Heart Lung and Circulation</i> , 2022, 31, 119-127.	0.4	0
116	Transcatheter Tricuspid Valve Annuloplasty: Show Me the Real-World Data. <i>Circulation: Cardiovascular Interventions</i> , 2021, 14, e011018.	3.9	0
117	Pseudo-discordance mimicking low-flow low-gradient aortic stenosis in transcatheter aortic valve replacement patients with severe symptomatic aortic stenosis. <i>Cardiology Journal</i> , 2021, , .	1.2	0
118	The effect of aromatase inhibitors use on endothelial function among postmenopausal women with breast cancer.. <i>Journal of Clinical Oncology</i> , 2017, 35, e12064-e12064.	1.6	0
119	The Authors Respond to Gnanaligham and Ahman. <i>Journal of the American Society of Echocardiography</i> , 2022, , .	2.8	0
120	Non-invasive vocal biomarker is associated with pulmonary hypertension. , 2020, 15, e0231441.		0
121	Non-invasive vocal biomarker is associated with pulmonary hypertension. , 2020, 15, e0231441.		0
122	Non-invasive vocal biomarker is associated with pulmonary hypertension. , 2020, 15, e0231441.		0
123	Non-invasive vocal biomarker is associated with pulmonary hypertension. , 2020, 15, e0231441.		0
124	Non-invasive vocal biomarker is associated with pulmonary hypertension. , 2020, 15, e0231441.		0
125	Non-invasive vocal biomarker is associated with pulmonary hypertension. , 2020, 15, e0231441.		0
126	Local Anesthesia versus Conscious Sedation among Patients Undergoing Transcatheter Aortic Valve Implantation—A Propensity Score Analysis. <i>Journal of Clinical Medicine</i> , 2022, 11, 3134.	2.4	0

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127	CHA2DS2-VASC Score Predicts the Risk of Stroke in Patients Hospitalized to the Internal Medicine Department Without Known Atrial Fibrillation. Journal of General Internal Medicine, 2022, 37, 3355-3360.	2.6	0