

# Edgar Argulian

## List of Publications by Year in descending order

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Version: 2024-02-01

100  
papers

2,557  
citations

236925

25  
h-index

214800

47  
g-index

112  
all docs

112  
docs citations

112  
times ranked

4139  
citing authors

#	ARTICLE	IF	CITATIONS
1	Discordance Between Echocardiography and MRI in the Assessment of Mitral Regurgitation Severity. <i>Journal of the American College of Cardiology</i> , 2015, 65, 1078-1088.	2.8	281
2	From Subclinical Atherosclerosis to Plaque Progression and Acute Coronary Events. <i>Journal of the American College of Cardiology</i> , 2019, 74, 1608-1617.	2.8	195
3	Machine Learning to Predict Mortality and Critical Events in a Cohort of Patients With COVID-19 in New York City: Model Development and Validation. <i>Journal of Medical Internet Research</i> , 2020, 22, e24018.	4.3	174
4	Right Ventricular Dilation in Hospitalized Patients With COVID-19 Infection. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 2459-2461.	5.3	171
5	Gender Differences in Short-Term Cardiovascular Outcomes After Percutaneous Coronary Interventions. <i>American Journal of Cardiology</i> , 2006, 98, 48-53.	1.6	121
6	Racial and Ethnic Differences in Antihypertensive Medication Use and Blood Pressure Control Among US Adults With Hypertension. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2017, 10, .	2.2	120
7	Deep learning and the electrocardiogram: review of the current state-of-the-art. <i>Europace</i> , 2021, 23, 1179-1191.	1.7	111
8	Association of the V122I Hereditary Transthyretin Amyloidosis Genetic Variant With Heart Failure Among Individuals of African or Hispanic/Latino Ancestry. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 2191.	7.4	93
9	Use of Cardiac Magnetic Resonance Imaging in Assessing Mitral Regurgitation. <i>Journal of the American College of Cardiology</i> , 2018, 71, 547-563.	2.8	90
10	Association between short and long sleep durations and cardiovascular outcomes: a systematic review and meta-analysis. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2019, 8, 762-770.	1.0	88
11	CACS and the Frequency of Stress-Induced Myocardial Ischemia During MPI. <i>JACC: Cardiovascular Imaging</i> , 2016, 9, 580-589.	5.3	60
12	Is Cardiac Diastolic Dysfunction a Part of Post-Menopausal Syndrome?. <i>JACC: Heart Failure</i> , 2019, 7, 192-203.	4.1	46
13	Misconceptions and Facts about Pericardial Effusion and Tamponade. <i>American Journal of Medicine</i> , 2013, 126, 858-861.	1.5	45
14	Integration of Flow-Gradient Patterns Into Clinical Decision Making for Patients With Suspected Severe Aortic Stenosis and Preserved LVEF. <i>JACC: Cardiovascular Imaging</i> , 2016, 9, 1255-1263.	5.3	40
15	Echocardiographic Findings in Patients with COVID-19 with Significant Myocardial Injury. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 1054-1055.	2.8	36
16	Using Deep-Learning Algorithms to Simultaneously Identify Right and Left Ventricular Dysfunction From the Electrocardiogram. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 395-410.	5.3	35
17	Stress Testing in Patients With Hypertrophic Cardiomyopathy. <i>Progress in Cardiovascular Diseases</i> , 2012, 54, 477-482.	3.1	32
18	Comparative effectiveness of coronary CT angiography vs stress cardiac imaging in patients following hospital admission for chest pain work-up: The Prospective First Evaluation in Chest Pain (PERFECT) Trial. <i>Journal of Nuclear Cardiology</i> , 2017, 24, 1267-1278.	2.1	32

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19	Advanced Imaging in Cardiac Sarcoidosis. <i>Journal of Nuclear Medicine</i> , 2019, 60, 892-898.	5.0	32
20	Abnormal left ventricular global longitudinal strain by speckle tracking echocardiography in COVID-19 patients. <i>Future Cardiology</i> , 2021, 17, 655-661.	1.2	32
21	Impact of gender on in-hospital outcomes in patients with Takotsubo syndrome: A nationwide analysis from 2006 to 2014. <i>Clinical Cardiology</i> , 2019, 42, 13-18.	1.8	29
22	Antihypertensive Therapy in Hypertrophic Cardiomyopathy. <i>American Journal of Cardiology</i> , 2013, 111, 1040-1045.	1.6	28
23	Antihypertensive efficacy of angiotensin receptor blockers as monotherapy as evaluated by ambulatory blood pressure monitoring: a meta-analysis. <i>European Heart Journal</i> , 2014, 35, 1732-1742.	2.2	28
24	Acute chest pain evaluation using coronary computed tomography angiography compared with standard of care: a meta-analysis of randomised clinical trials. <i>Heart</i> , 2018, 104, 215-221.	2.9	28
25	Biventricular strain by speckle tracking echocardiography in COVID-19: findings and possible prognostic implications. <i>Future Cardiology</i> , 2021, 17, 663-667.	1.2	28
26	Trends and disparities in statin use and low-density lipoprotein cholesterol levels among US patients with diabetes, 1999-2014. <i>Diabetes Research and Clinical Practice</i> , 2018, 139, 1-10.	2.8	27
27	Paradoxical Hypertension With Cardiac Tamponade. <i>American Journal of Cardiology</i> , 2012, 110, 1066-1069.	1.6	26
28	Meta-Analysis of Prognostic Implications of Dyspnea Versus Chest Pain in Patients Referred for Stress Testing. <i>American Journal of Cardiology</i> , 2014, 113, 559-564.	1.6	24
29	A Novel Pericardial Effusion Scoring Index to Guide Decision for Drainage. <i>Critical Pathways in Cardiology</i> , 2012, 11, 85-88.	0.5	23
30	Age Differences in Treatment and Control of Hypertension in US Physician Offices, 2003-2010: A Serial Cross-sectional Study. <i>American Journal of Medicine</i> , 2016, 129, 50-58.e4.	1.5	23
31	A Comparative Assessment of Echocardiographic Parameters for Determining Primary Mitral Regurgitation Severity Using Magnetic Resonance Imaging as a Reference Standard. <i>Journal of the American Society of Echocardiography</i> , 2018, 31, 992-999.	2.8	23
32	Misconceptions and Facts About Beta-Blockers. <i>American Journal of Medicine</i> , 2019, 132, 816-819.	1.5	23
33	Anticipating the "Second Wave" of Health Care Strain in the COVID-19 Pandemic. <i>JACC: Case Reports</i> , 2020, 2, 845-846.	0.6	23
34	Predictors of Ischemia in Patients Referred for Evaluation of Exertional Dyspnea: A Stress Echocardiography Study. <i>Journal of the American Society of Echocardiography</i> , 2013, 26, 72-76.	2.8	22
35	Comparison of the current reasons for undergoing pharmacologic stress during echocardiographic and radionuclide stress testing. <i>Journal of Nuclear Cardiology</i> , 2017, 24, 546-554.	2.1	22
36	The Effect of Systolic Variation of Mitral Regurgitation on Discordance Between Noninvasive Imaging Modalities. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 2431-2442.	5.3	22

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37	Genetic and phenotypic profiling of supranormal ejection fraction reveals decreased survival and underdiagnosed heart failure. <i>European Journal of Heart Failure</i> , 2022, 24, 2118-2127.	7.1	22
38	Combining stress-only myocardial perfusion imaging with coronary calcium scanning as a new paradigm for initial patient work-up: An exploratory analysis. <i>Journal of Nuclear Cardiology</i> , 2015, 22, 89-97.	2.1	20
39	Misconceptions and Facts About Hypertrophic Cardiomyopathy. <i>American Journal of Medicine</i> , 2016, 129, 148-152.	1.5	17
40	American Society of Echocardiography Algorithm for Degenerative Mitral Regurgitation. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 747-760.	5.3	15
41	Concordance and Discordance of Echocardiographic Parameters Recommended for Assessing the Severity of Mitral Regurgitation. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e010278.	2.6	14
42	Teasing Apart Heart Failure With Preserved Ejection Fraction Phenotypes With Echocardiographic Imaging. <i>Circulation Research</i> , 2018, 122, 23-25.	4.5	13
43	Novel "CHASER" Pathway for the Management of Pericardial Disease. <i>Critical Pathways in Cardiology</i> , 2011, 10, 57-63.	0.5	12
44	Association between right ventricular dysfunction and mortality in COVID-19 patients: A systematic review and meta-analysis. <i>Clinical Cardiology</i> , 2021, 44, 1360-1370.	1.8	12
45	A Structured, Parsimonious Approach to Establish the Cause of Moderate-to-Large Pericardial Effusion. <i>American Journal of Cardiology</i> , 2014, 114, 479-482.	1.6	11
46	The prevalence and predictors of resistant hypertension in high-risk overweight and obese patients: A cross-sectional study based on the 2017 ACC/AHA guidelines. <i>Journal of Clinical Hypertension</i> , 2019, 21, 1507-1515.	2.0	10
47	Safety of Ultrasonic Enhancing Agents in Patients with COVID-19. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 906-908.	2.8	10
48	Misconceptions and Facts About Atrial Fibrillation. <i>American Journal of Medicine</i> , 2015, 128, 938-942.	1.5	9
49	Echocardiographic Data in Artificial Intelligence Research. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 170-172.	5.3	9
50	Including Insonation in Undergraduate Medical School Curriculum. <i>Annals of Global Health</i> , 2019, 85, 135.	2.0	9
51	Point-of-Care Ultrasound Findings and Clinical Outcomes in Patients with COVID-19. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 1416-1417.	2.8	8
52	Unsupervised clustering for phenotypic stratification of clinical, demographic, and stress attributes of cardiac risk in patients with nonischemic exercise stress echocardiography. <i>Echocardiography</i> , 2020, 37, 505-519.	0.9	8
53	Misconceptions and Facts About Treating Hypertension. <i>American Journal of Medicine</i> , 2015, 128, 450-455.	1.5	7
54	CARDIAC COMPUTED TOMOGRAPHIC ANGIOGRAPHY IN THE ASSESSMENT OF LOW RISK PATIENTS: AN UPDATED META-ANALYSIS. <i>Journal of the American College of Cardiology</i> , 2016, 67, 1751.	2.8	7

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55	Association Between Layer-Specific Longitudinal Strain and Risk Factors of Heart Failure and Dyspnea: A Population-Based Study. <i>Journal of the American Society of Echocardiography</i> , 2019, 32, 854-865.e8.	2.8	7
56	Echocardiographic Findings in Patients With COVID-19 With Myocardial Injury During the Omicron Variant Surge. <i>American Journal of Cardiology</i> , 2022, 172, 168-169.	1.6	7
57	“Hot Septum” Sign of Constrictive Pericarditis. <i>JACC: Case Reports</i> , 2020, 2, 186-190.	0.6	6
58	An Unusual Case of Syncope. <i>American Journal of Medicine</i> , 2009, 122, 636-638.	1.5	5
59	Association of Exercise Tolerance with Effective Arterial Elastance Obtained Noninvasively in Patients with Exertional Dyspnea. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 675-679.	2.8	5
60	Misconceptions and Facts About Aortic Stenosis. <i>American Journal of Medicine</i> , 2017, 130, 398-402.	1.5	5
61	Pathway for the Management of Atrial Fibrillation and Atrial Flutter. <i>Critical Pathways in Cardiology</i> , 2017, 16, 47-52.	0.5	5
62	Prognostic significance of exercise-induced diastolic dysfunction: A systematic review. <i>Echocardiography</i> , 2020, 37, 1594-1602.	0.9	5
63	Development of a machine learning model using electrocardiogram signals to improve acute pulmonary embolism screening. <i>European Heart Journal Digital Health</i> , 2022, 3, 56-66.	1.7	5
64	Misconceptions and Facts About “Diastolic” Heart Failure. <i>American Journal of Medicine</i> , 2014, 127, 1144-1147.	1.5	4
65	Living Up to the PROMISE. <i>Journal of the American College of Cardiology</i> , 2015, 66, 2267-2268.	2.8	4
66	Valvular Disease, Myocardial Mechanics, and Valve Guidelines. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 382.	5.3	4
67	Advanced Cardiovascular Imaging in Clinical Heart Failure. <i>JACC: Heart Failure</i> , 2021, 9, 699-709.	4.1	4
68	Misconceptions and Facts About Mitral Regurgitation. <i>American Journal of Medicine</i> , 2016, 129, 919-923.	1.5	3
69	The presence of diastolic and systolic dysfunction in patients with impaired relaxation filling pattern. <i>Echocardiography</i> , 2017, 34, 825-830.	0.9	3
70	Echocardiographic 3D-guided 2D planimetry in quantifying left-sided valvular heart disease. <i>Echocardiography</i> , 2018, 35, 695-706.	0.9	3
71	The Authors Reply. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 1857-1858.	5.3	3
72	Stress cardiomyopathy: Provoked chaotic T-wave lability. <i>Annals of Noninvasive Electrocardiology</i> , 2018, 23, e12544.	1.1	2

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73	Relation of Blood Pressure to Severity of Pericardial Effusion. American Journal of Cardiology, 2018, 121, 1409-1412.	1.6	2
74	Bedside Assessment of Left Ventricular Emptying Using Contrast-Enhanced Handheld Ultrasound: A Pilot Study. Journal of the American Society of Echocardiography, 2019, 32, 1367-1369.	2.8	2
75	Understanding Right Atrial Collapse: Timing Is Everything. Annals of Emergency Medicine, 2019, 73, 397-399.	0.6	2
76	Comparison of Insonation-Augmented Physical Examination With Standard Physical Examination in Detecting Severe Left-Sided Valve Disease. JACC: Cardiovascular Imaging, 2019, 12, 759-760.	5.3	2
77	Natriuretic peptides to differentiate constrictive pericarditis and restrictive cardiomyopathy: A systematic review and meta-analysis. Clinical Cardiology, 2022, 45, 251-257.	1.8	2
78	Right Ventricular Abnormality in Patients Hospitalized With COVID-19 Infection During Omicron Variant Surge. American Journal of Cardiology, 2022, 173, 158-160.	1.6	2
79	Obstructive Sleep Apnea Is Associated With Increased High-Sensitivity Cardiac Troponin T Levels. Chest, 2013, 143, 277-278.	0.8	1
80	Evaluating left ventricular systolic dysfunction: Stress echocardiography. Journal of Nuclear Cardiology, 2015, 22, 957-960.	2.1	1
81	Looking Beyond the Valve. JACC: Cardiovascular Imaging, 2019, 12, 93-95.	5.3	1
82	Imaging-Verified Disease Stages. JACC: Cardiovascular Imaging, 2020, 13, 1671-1673.	5.3	1
83	Life Interrupted. JACC: Cardiovascular Imaging, 2020, 13, 1834-1837.	5.3	1
84	Impact of COVID-19 Pandemic on the Role of Cardiac Sonographers. Journal of the American Society of Echocardiography, 2021, 34, 322-324.	2.8	1
85	Spectrum of Pericardial Tamponade. JACC: Case Reports, 2021, 3, 1557-1559.	0.6	1
86	Comparison of Handheld Ultrasound-Assisted Physical Examination to Physical Examination Alone in Detecting Isolated Severe Tricuspid Regurgitation. Journal of the American Society of Echocardiography, 2022, 35, 525-527.	2.8	1
87	Myocardial Work In Cardio-Oncology. JACC: Cardiovascular Imaging, 2022, , .	5.3	1
88	Organ-Specific Responses to Circulatory Disturbances in Heart Failure: New Insights. Congestive Heart Failure, 2012, 18, 127-131.	2.0	0
89	Irregular Supraventricular Tachycardia. JAMA Internal Medicine, 2013, 173, 2001.	5.1	0
90	Letter by Argulian and Messerli Regarding Article, "Effect of Early Metoprolol on Infarct Size in ST-Segment-Elevation Myocardial Infarction Patients Undergoing Primary Percutaneous Coronary Intervention: The Effect of Metoprolol in Cardioprotection During an Acute Myocardial Infarction (METOCARD-CNIC) Trial". Circulation, 2014, 130, e18.	1.6	0

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91	Atherosclerotic Burden. Journal of the American College of Cardiology, 2015, 65, 2466-2467.	2.8	0
92	Prognostic Value of Stress Echocardiography in Patients Presenting with Syncope. Echocardiography, 2015, 32, 1352-1358.	0.9	0
93	OUTCOMES IN PATIENT WITH CHEST PAIN EVALUATED USING CORONARY COMPUTED TOMOGRAPHY ANGIOGRAPHY VERSUS STRESS IMAGING: A META-ANALYSIS OF RANDOMIZED TRIALS. Journal of the American College of Cardiology, 2017, 69, 1428.	2.8	0
94	NATURAL UNBIASED STRATIFICATION OF RISK IN HEART FAILURE WITH PRESERVED EJECTION FRACTION USING UNSUPERVISED CLUSTERING OF CLINICAL AND ECHOCARDIOGRAPHIC VARIABLES. Journal of the American College of Cardiology, 2019, 73, 973.	2.8	0
95	OUTCOMES IN PATIENT WITH CHEST PAIN EVALUATED USING CORONARY COMPUTED TOMOGRAPHY ANGIOGRAPHY VERSUS STRESS IMAGING: A META-ANALYSIS OF RANDOMIZED TRIALS. Journal of the American College of Cardiology, 2019, 73, 1472.	2.8	0
96	The Miraculous Journey of TAVR. JACC: Case Reports, 2019, 1, 118-119.	0.6	0
97	Insights into functional mitral regurgitation using transillumination rendering. Echocardiography, 2021, 38, 1033-1051.	0.9	0
98	Successful Transcatheter Closure of a Rare Malaligned Atrial Septal Defect With a Membranous Chord. JACC: Case Reports, 2021, 3, 1327-1331.	0.6	0
99	Left Ventricular Hypertrophy-Low Longitudinal Strain Phenotype in Elderly Patients with Preserved or Mid-range Ejection Fraction. American Journal of Cardiology, 2021, 156, 149-150.	1.6	0
100	Pathway for the Management of Sleep Apnea in the Cardiac Patient. Critical Pathways in Cardiology, 2017, 16, 81-88.	0.5	0