Edgar Argulian

List of Publications by Year
in descending order

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	Using Deep-Learning Algorithms to Simultaneously Identify Right and Left Ventricular Dysfunction From the Electrocardiogram. JACC: Cardiovascular Imaging, 2022, 15, 395-410.	5.3	35
2	Development of a machine learning model using electrocardiogram signals to improve acute pulmonary embolism screening. European Heart Journal Digital Health, 2022, 3, 56-66.	1.7	5
3	American Society of Echocardiography Algorithm for Degenerative MitralÂRegurgitation. JACC: Cardiovascular Imaging, 2022, 15, 747-760.	5.3	15
4	Comparison of Handheld Ultrasoundâ€“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
5	Genetic and phenotypic profiling of supranormal ejection fraction reveals decreased survival and underdiagnosed heart failure. European Journal of Heart Failure, 2022, 24, 2118-2127.	7.1	22
6	Echocardiographic Findings in Patients With COVID-19 With Myocardial Injury During the Omicron Variant Surge. American Journal of Cardiology, 2022, 172, 168-169.	1.6	7
7	Natriuretic peptides to differentiate constrictive pericarditis and restrictive cardiomyopathy: A systematic review and metaâ€analysis. Clinical Cardiology, 2022, 45, 251-257.	1.8	2
8	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
9	Myocardial Work In Cardio-Oncology. JACC: Cardiovascular Imaging, 2022, , .	5.3	1
10	Biventricular strain by speckle tracking echocardiography in COVID-19: findings and possible prognostic implications. Future Cardiology, 2021, 17, 663-667.	1.2	28
11	Abnormal left ventricular global longitudinal strain by speckle tracking echocardiography in COVID-19 patients. Future Cardiology, 2021, 17, 655-661.	1.2	32
12	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
13	Deep learning and the electrocardiogram: review of the current state-of-the-art. Europace, 2021, 23, 1179-1191.	1.7	111
14	Insights into functional mitral regurgitation using transillumination rendering. Echocardiography, 2021, 38, 1033-1051.	0.9	0
15	Successful Transcatheter Closure of a Rare Malaligned Atrial Septal Defect With a Membranous Chord. JACC: Case Reports, 2021, 3, 1327-1331.	0.6	0
16	Association between right ventricular dysfunction and mortality in <scp>COVID</scp>â€19 patients: A systematic review and metaâ€analysis. Clinical Cardiology, 2021, 44, 1360-1370.	1.8	12
17	Advanced Cardiovascular Imaging inÂClinical HeartÂFailure. JACC: Heart Failure, 2021, 9, 699-709.	4.1	4
18	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

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19	Spectrum of Pericardial Tamponade. JACC: Case Reports, 2021, 3, 1557-1559.	0.6	1
20	Echocardiographic Data in ArtificialÂIntelligence Research. JACC: Cardiovascular Imaging, 2020, 13, 170-172.	5.3	9
21	The Authors Reply:. JACC: Cardiovascular Imaging, 2020, 13, 1857-1858.	5.3	3
22	Imaging-Verified Disease Stages. JACC: Cardiovascular Imaging, 2020, 13, 1671-1673.	5.3	1
23	Point-of-Care Ultrasound Findings and Clinical Outcomes in Patients with COVID-19. Journal of the American Society of Echocardiography, 2020, 33, 1416-1417.	2.8	8
24	Prognostic significance of exerciseâ€induced diastolic dysfunction: A systematic review. Echocardiography, 2020, 37, 1594-1602.	0.9	5
25	Concordance and Discordance of Echocardiographic Parameters Recommended for Assessing the Severity of Mitral Regurgitation. Circulation: Cardiovascular Imaging, 2020, 13, e010278.	2.6	14
26	Echocardiographic Findings in Patients with COVID-19 with Significant Myocardial Injury. Journal of the American Society of Echocardiography, 2020, 33, 1054-1055.	2.8	36
27	Unsupervised clustering for phenotypic stratification of clinical, demographic, and stress attributes of cardiac risk in patients with nonischemic exercise stress echocardiography. Echocardiography, 2020, 37, 505-519.	0.9	8
28	Safety of Ultrasonic Enhancing Agents in Patients with COVID-19. Journal of the American Society of Echocardiography, 2020, 33, 906-908.	2.8	10
29	Life Interrupted. JACC: Cardiovascular Imaging, 2020, 13, 1834-1837.	5.3	1
30	Anticipating the â€œSecond Waveâ€•of Health Care Strain in the COVID-19 Pandemic. JACC: Case Reports, 2020, 2, 845-846.	0.6	23
31	Right Ventricular Dilation in Hospitalized Patients With COVID-19 Infection. JACC: Cardiovascular Imaging, 2020, 13, 2459-2461.	5.3	171
32	Machine Learning to Predict Mortality and Critical Events in a Cohort of Patients With COVID-19 in New York City: Model Development and Validation. Journal of Medical Internet Research, 2020, 22, e24018.	4.3	174
33	â€œHot Septumâ€•Sign of ConstrictiveÂPericarditis. JACC: Case Reports, 2020, 2, 186-190.	0.6	6
34	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
35	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
36	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

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37	The prevalence and predictors of resistant hypertension in highâ€risk overweight and obese patients: A crossâ€sectional study based on the 2017 ACC/AHA guidelines. Journal of Clinical Hypertension, 2019, 21, 1507-1515.	2.0	10
38	From Subclinical Atherosclerosis to Plaque Progression and Acute CoronaryÂEvents. Journal of the American College of Cardiology, 2019, 74, 1608-1617.	2.8	195
39	The Miraculous Journey of TAVR. JACC: Case Reports, 2019, 1, 118-119.	0.6	0
40	Association Between Layer-Specific Longitudinal Strain and Risk Factors of Heart Failure and Dyspnea: A Population-Based Study. Journal of the American Society of Echocardiography, 2019, 32, 854-865.e8.	2.8	7
41	Advanced Imaging in Cardiac Sarcoidosis. Journal of Nuclear Medicine, 2019, 60, 892-898.	5.0	32
42	The Effect of Systolic Variation of MitralÂRegurgitation on Discordance Between Noninvasive Imaging Modalities. JACC: Cardiovascular Imaging, 2019, 12, 2431-2442.	5.3	22
43	Is Cardiac Diastolic Dysfunction a PartÂofÂPost-Menopausal Syndrome?. JACC: Heart Failure, 2019, 7, 192-203.	4.1	46
44	Misconceptions and Facts About Beta-Blockers. American Journal of Medicine, 2019, 132, 816-819.	1.5	23
45	Association of the V122I Hereditary Transthyretin Amyloidosis Genetic Variant With Heart Failure Among Individuals of African or Hispanic/Latino Ancestry. JAMA - Journal of the American Medical Association, 2019, 322, 2191.	7.4	93
46	Understanding Right Atrial Collapse: Timing Is Everything. Annals of Emergency Medicine, 2019, 73, 397-399.	0.6	2
47	Impact of gender on inâ€hospital outcomes in patients with Takotsubo syndrome: A nationwide analysis from 2006 to 2014. Clinical Cardiology, 2019, 42, 13-18.	1.8	29
48	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
49	Looking Beyond the Valve. JACC: Cardiovascular Imaging, 2019, 12, 93-95.	5.3	1
50	Association between short and long sleep durations and cardiovascular outcomes: a systematic review and meta-analysis. European Heart Journal: Acute Cardiovascular Care, 2019, 8, 762-770.	1.0	88
51	Including Insonation in Undergraduate Medical School Curriculum. Annals of Global Health, 2019, 85, 135.	2.0	9
52	Trends and disparities in statin use and low-density lipoprotein cholesterol levels among US patients with diabetes, 1999â€“2014. Diabetes Research and Clinical Practice, 2018, 139, 1-10.	2.8	27
53	Stress cardiomyopathy: Provoked chaotic Tâ€wave lability. Annals of Noninvasive Electrocardiology, 2018, 23, e12544.	1.1	2
54	Use of Cardiac Magnetic Resonance Imaging in Assessing Mitral Regurgitation. Journal of the American College of Cardiology, 2018, 71, 547-563.	2.8	90

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55	Echocardiographic 3Dâ€guided 2D planimetry in quantifying leftâ€sided valvular heart disease. Echocardiography, 2018, 35, 695-706.	0.9	3
56	Teasing Apart Heart Failure With Preserved Ejection Fraction Phenotypes With Echocardiographic Imaging. Circulation Research, 2018, 122, 23-25.	4.5	13
57	Relation of Blood Pressure to Severity of Pericardial Effusion. American Journal of Cardiology, 2018, 121, 1409-1412.	1.6	2
58	Acute chest pain evaluation using coronary computed tomography angiography compared with standard of care: a meta-analysis of randomised clinical trials. Heart, 2018, 104, 215-221.	2.9	28
59	A Comparative Assessment of Echocardiographic Parameters for Determining Primary Mitral Regurgitation Severity Using Magnetic Resonance Imaging as a Reference Standard. Journal of the American Society of Echocardiography, 2018, 31, 992-999.	2.8	23
60	Comparison of the current reasons for undergoing pharmacologic stress during echocardiographic and radionuclide stress testing. Journal of Nuclear Cardiology, 2017, 24, 546-554.	2.1	22
61	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. Journal of Nuclear Cardiology, 2017, 24, 1267-1278.	2.1	32
62	Misconceptions and Facts About Aortic Stenosis. American Journal of Medicine, 2017, 130, 398-402.	1.5	5
63	Racial and Ethnic Differences in Antihypertensive Medication Use and Blood Pressure Control Among US Adults With Hypertension. Circulation: Cardiovascular Quality and Outcomes, 2017, 10, .	2.2	120
64	Pathway for the Management of Atrial Fibrillation and Atrial Flutter. Critical Pathways in Cardiology, 2017, 16, 47-52.	0.5	5
65	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
66	The presence of diastolic and systolic dysfunction in patients with impaired relaxation filling pattern. Echocardiography, 2017, 34, 825-830.	0.9	3
67	Pathway for the Management of Sleep Apnea in the Cardiac Patient. Critical Pathways in Cardiology, 2017, 16, 81-88.	0.5	0
68	Misconceptions and Facts About Mitral Regurgitation. American Journal of Medicine, 2016, 129, 919-923.	1.5	3
69	CACS andÂtheÂFrequency of Stress-Induced Myocardial Ischemia During MPI. JACC: Cardiovascular Imaging, 2016, 9, 580-589.	5.3	60
70	Integration of Flow-Gradient Patterns IntoÂClinical Decision Making for Patients With Suspected Severe Aortic Stenosis and Preserved LVEF. JACC: Cardiovascular Imaging, 2016, 9, 1255-1263.	5.3	40
71	CARDIAC COMPUTED TOMOGRAPHIC ANGIOGRAPHY IN THE ASSESSMENT OF LOW RISK PATIENTS: AN UPDATED META-ANALYSIS. Journal of the American College of Cardiology, 2016, 67, 1751.	2.8	7
72	Age Differences in Treatment and Control of Hypertension in US Physician Offices, 2003-2010: A Serial Cross-sectional Study. American Journal of Medicine, 2016, 129, 50-58.e4.	1.5	23

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73	Misconceptions and Facts About Hypertrophic Cardiomyopathy. American Journal of Medicine, 2016, 129, 148-152.	1.5	17
74	Living Up to the PROMISE. Journal of the American College of Cardiology, 2015, 66, 2267-2268.	2.8	4
75	Atherosclerotic Burden. Journal of the American College of Cardiology, 2015, 65, 2466-2467.	2.8	0
76	Prognostic Value of Stress Echocardiography in Patients Presenting with Syncope. Echocardiography, 2015, 32, 1352-1358.	0.9	0
77	Combining stress-only myocardial perfusion imaging with coronary calcium scanning as a new paradigm for initial patient work-up: An exploratory analysis. Journal of Nuclear Cardiology, 2015, 22, 89-97.	2.1	20
78	Misconceptions and Facts About Treating Hypertension. American Journal of Medicine, 2015, 128, 450-455.	1.5	7
79	Valvular Disease, Myocardial Mechanics, andÂValve Guidelines. JACC: Cardiovascular Imaging, 2015, 8, 382.	5.3	4
80	Discordance Between Echocardiography and MRI in the Assessment of Mitral Regurgitation Severity. Journal of the American College of Cardiology, 2015, 65, 1078-1088.	2.8	281
81	Misconceptions and Facts About Atrial Fibrillation. American Journal of Medicine, 2015, 128, 938-942.	1.5	9
82	Evaluating left ventricular systolic dysfunction: Stress echocardiography. Journal of Nuclear Cardiology, 2015, 22, 957-960.	2.1	1
83	Letter by Argulian and Messerli Regarding Article, â€œEffect of Early Metoprolol on Infarct Size in ST-Segmentâ€“Elevation Myocardial Infarction Patients Undergoing Primary Percutaneous Coronary Intervention: The Effect of Metoprolol in Cardioprotection During an Acute Myocardial Infarction (METOCARD-CNIC) Trialâ€• Circulation, 2014, 130, e18.	1.6	0
84	Association of Exercise Tolerance with Effective Arterial Elastance Obtained Noninvasively in Patients with Exertional Dyspnea. Journal of the American Society of Echocardiography, 2014, 27, 675-679.	2.8	5
85	Meta-Analysis of Prognostic Implications of Dyspnea Versus Chest Pain in Patients Referred for Stress Testing. American Journal of Cardiology, 2014, 113, 559-564.	1.6	24
86	Misconceptions and Facts About â€˜Diastolicâ€™ HeartÂFailure. American Journal of Medicine, 2014, 127, 1144-1147.	1.5	4
87	Antihypertensive efficacy of angiotensin receptor blockers as monotherapy as evaluated by ambulatory blood pressure monitoring: a meta-analysis. European Heart Journal, 2014, 35, 1732-1742.	2.2	28
88	A Structured, Parsimonious Approach to Establish the Cause of Moderate-to-Large Pericardial Effusion. American Journal of Cardiology, 2014, 114, 479-482.	1.6	11
89	Irregular Supraventricular Tachycardia. JAMA Internal Medicine, 2013, 173, 2001.	5.1	0
90	Misconceptions and Facts about Pericardial Effusion and Tamponade. American Journal of Medicine, 2013, 126, 858-861.	1.5	45

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91	Predictors of Ischemia in Patients Referred forÂEvaluation of Exertional Dyspnea: A Stress Echocardiography Study. Journal of the American Society of Echocardiography, 2013, 26, 72-76.	2.8	22
92	Antihypertensive Therapy in Hypertrophic Cardiomyopathy. American Journal of Cardiology, 2013, 111, 1040-1045.	1.6	28
93	Obstructive Sleep Apnea Is Associated With Increased High-Sensitivity Cardiac Troponin T Levels. Chest, 2013, 143, 277-278.	0.8	1
94	A Novel Pericardial Effusion Scoring Index to Guide Decision for Drainage. Critical Pathways in Cardiology, 2012, 11, 85-88.	0.5	23
95	Paradoxical Hypertension With Cardiac Tamponade. American Journal of Cardiology, 2012, 110, 1066-1069.	1.6	26
96	Organâ€Specific Responses to Circulatory Disturbances in Heart Failure: New Insights. Congestive Heart Failure, 2012, 18, 127-131.	2.0	0
97	Stress Testing in Patients With Hypertrophic Cardiomyopathy. Progress in Cardiovascular Diseases, 2012, 54, 477-482.	3.1	32
98	Novel â€œCHASERâ€•Pathway for the Management of Pericardial Disease. Critical Pathways in Cardiology, 2011, 10, 57-63.	0.5	12
99	An Unusual Case of Syncope. American Journal of Medicine, 2009, 122, 636-638.	1.5	5
100	Gender Differences in Short-Term Cardiovascular Outcomes After Percutaneous Coronary Interventions. American Journal of Cardiology, 2006, 98, 48-53.	1.6	121