Garvan C Kane

List of Publications by Year
in descending order

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102 papers	8,171 citations	81900 39 h-index	46799 89 g-index
103 all docs	103 docs citations	103 times ranked	8470 citing authors

#	Article	IF	Citations
1	Noninvasive echocardiographic cardiac power output predicts mortality in cardiac intensive care unit patients. American Heart Journal, 2022, 245, 149-159.	2.7	14
2	Association of Postprocedural Left Atrial Volume and Reservoir Function with Outcomes in Patients with Atrial Fibrillation Undergoing Catheter Ablation. Journal of the American Society of Echocardiography, 2022, 35, 818-828.e3.	2.8	4
3	Unfavorable Tricuspid Annulus Dynamics: A Novel Concept to Explain Development of Tricuspid Regurgitation in Atrial Fibrillation. Journal of the American Society of Echocardiography, 2022, 35, 664-666.	2.8	5
4	Pulmonary Hypertension in Heart Failure With Preserved Ejection Fraction. , 2021, , 452-462.		0
5	Artificial Intelligence (AI)-Empowered Echocardiography Interpretation: A State-of-the-Art Review. Journal of Clinical Medicine, 2021, 10, 1391.	2.4	36
6	Safe Operation of an Echocardiography Practice During the COVID-19 Pandemic: Single-Center Experience. Mayo Clinic Proceedings, 2021, 96, 531-536.	3.0	3
7	Impact of Right Ventricular Dysfunction on Short-term and Long-term Mortality in Sepsis. Chest, 2021, 159, 2254-2263.	0.8	33
8	Rate-Pressure Product versus Peak Heart Rate for Assessment of Stress Adequacy during Dobutamine Stress Echocardiography. Journal of the American Society of Echocardiography, 2021, 34, 696-698.	2.8	1
9	Nursing Staff Administered Topical Lidocaine Anesthesia in Transesophageal Echocardiography: Impact on Quality, Delivery of Care, and the Rates of Methemoglobinemia. Journal of the American Society of Echocardiography, 2021, 34, 795-798.	2.8	0
10	Stress Echo 2030: The Novel ABCDE-(FGLPR) Protocol to Define the Future of Imaging. Journal of Clinical Medicine, 2021, 10, 3641.	2.4	33
11	Prognostic value of peak stress cardiac power in patients with normal ejection fraction undergoing exercise stress echocardiography. European Heart Journal, 2021, 42, 776-785.	2.2	22
12	Lung Ultrasound During Stress Echocardiography Aids the Evaluation of Valvular Heart Disease Severity. JACC: Cardiovascular Imaging, 2020, 13, 866-872.	5.3	8
13	Changes in Right Ventricle Function After Mitral Valve Repair Surgery. Heart Lung and Circulation, 2020, 29, 785-792.	0.4	13
14	The 2016 Diastolic Function Guideline. JACC: Cardiovascular Imaging, 2020, 13, 327-335.	5.3	44
15	Outcomes After Noncardiac Surgery for Patients with Pulmonary Hypertension: A Historical Cohort Study. Journal of Cardiothoracic and Vascular Anesthesia, 2020, 34, 1506-1513.	1.3	20
16	Calf muscle pump function as a predictor of all-cause mortality. Vascular Medicine, 2020, 25, 519-526.	1.5	9
17	Left Atrial Strain in Evaluation of Heart Failure with Preserved Ejection Fraction. Journal of the American Society of Echocardiography, 2020, 33, 1490-1499.	2.8	28
18	Impact of Anemia on Exercise and Pharmacologic Stress Echocardiography. Journal of the American Society of Echocardiography, 2020, 33, 1067-1076.	2.8	1

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19	Authors' Reply. Journal of the American Society of Echocardiography, 2020, 33, 1294-1295.	2.8	0
20	Impact of Aortic Valve Replacement for Severe Aortic Stenosis on Perioperative Outcomes Following Major Noncardiac Surgery. Mayo Clinic Proceedings, 2020, 95, 727-737.	3.0	11
21	Agitated Blood-Saline Rather Than Agitated Air-Saline for Echocardiographic Shunt Studies. Journal of the American Society of Echocardiography, 2020, 33, 1032-1033.	2.8	0
22	Overview of Optimal Techniques for Pericardiocentesis in Contemporary Practice. Current Cardiology Reports, 2020, 22, 60.	2.9	16
23	Preoperative Dobutamine Stress Echocardiography and Clinical Factors for Assessment of Cardiac Risk after Noncardiac Surgery. Journal of the American Society of Echocardiography, 2020, 33, 423-432.	2.8	14
24	Noninvasive evaluation of pulmonary artery pressure during exercise: the importance of right atrial hypertension. European Respiratory Journal, 2020, 55, 1901617.	6.7	33
25	Aetiology and outcomes of severe right ventricular dysfunction. European Heart Journal, 2020, 41, 1273-1282.	2.2	42
26	Bleeding Complications of Ultrasound-Guided Pericardiocentesis in the Presence of Coagulopathy or Thrombocytopenia. Journal of the American Society of Echocardiography, 2020, 33, 399-401.	2.8	7
27	ST-segment Elevation, Myocardial Injury, and Suspected or Confirmed COVID-19 Patients: Diagnostic and Treatment Uncertainties. Mayo Clinic Proceedings, 2020, 95, 1107-1111.	3.0	11
28	Echocardiographic Diastolic Stress Testing: What Does It Add?. Current Cardiology Reports, 2019, 21, 109.	2.9	5
29	Characteristics and Consequences of Work-Related Musculoskeletal Pain among Cardiac Sonographers Compared with Peer Employees: A Multisite Cross-Sectional Study. Journal of the American Society of Echocardiography, 2019, 32, 1138-1146.	2.8	22
30	The neurohormonal basis of pulmonary hypertension in heart failure with preserved ejection fraction. European Heart Journal, 2019, 40, 3707-3717.	2.2	47
31	Balloon Pulmonary Angioplasty for Chronic Thromboembolic Pulmonary Hypertension: Initial Single-Center Experience. Mayo Clinic Proceedings Innovations, Quality & Outcomes, 2019, 3, 311-318.	2.4	29
32	Thrombocytopenia independently predicts death in idiopathic PAH. Heart and Lung: Journal of Acute and Critical Care, 2019, 48, 34-38.	1.6	11
33	Prognostic Value of Right Ventricular Strain Using Speckle-Tracking Echocardiography in Pulmonary Hypertension: AÂSystematic Review and Meta-analysis. Canadian Journal of Cardiology, 2018, 34, 1069-1078.	1.7	54
34	Effusive-Constrictive Pericarditis After Pericardiocentesis. JACC: Cardiovascular Imaging, 2018, 11, 534-541.	5.3	53
35	The prognostic significance of tricuspid valve regurgitation in pulmonary arterial hypertension. Clinical Respiratory Journal, 2018, 12, 1572-1580.	1.6	34
36	Haemodynamics, dyspnoea, and pulmonary reserve in heart failure with preserved ejection fraction. European Heart Journal, 2018, 39, 2810-2821.	2.2	180

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37	Safety and Outcome of Percutaneous Drainage of Pericardial Effusions in Patients with Cancer. American Journal of Cardiology, 2018, 122, 1091-1094.	1.6	18
38	Incidence and Management of Hemopericardium: Impact of Changing Trends in Invasive Cardiology. Mayo Clinic Proceedings, 2018, 93, 1086-1095.	3.0	10
39	The Clinical Use of Stress Echocardiography in Non-Ischaemic Heart Disease: Recommendations from the European Association of Cardiovascular Imaging and the American Society of Echocardiography. Journal of the American Society of Echocardiography, 2017, 30, 101-138.	2.8	207
40	Unraveling the RV Ejection DopplerÂEnvelope. JACC: Cardiovascular Imaging, 2017, 10, 1268-1277.	5.3	40
41	High-risk echocardiographic features predict mortality in pulmonary arterial hypertension. American Heart Journal, 2017, 189, 167-176.	2.7	12
42	Dobutamine Stress Echocardiography: Impact of Abnormal Blood Potassium Levels on Cardiac Arrhythmias. Journal of the American Society of Echocardiography, 2017, 30, 595-601.	2.8	5
43	Role of Diastolic Stress Testing in the Evaluation for Heart Failure With Preserved Ejection Fraction. Circulation, 2017, 135, 825-838.	1.6	416
44	Association Between Echocardiography Laboratory Accreditation and the Quality of Imaging and Reporting for Valvular Heart Disease. Circulation: Cardiovascular Imaging, 2017, 10, .	2.6	29
45	Arterial Stiffening With Exercise in PatientsÂWith Heart Failure and PreservedÂEjection Fraction. Journal of the American College of Cardiology, 2017, 70, 136-148.	2.8	195
46	Usefulness of High-Density Lipoprotein Cholesterol to Predict Survival in Pulmonary Arterial Hypertension. American Journal of Cardiology, 2016, 118, 292-297.	1.6	22
47	Pulmonary Hypertension in Hereditary Hemorrhagic Telangiectasia. Chest, 2016, 149, 362-371.	0.8	31
48	The clinical use of stress echocardiography in non-ischaemic heart disease: recommendations from the European Association of Cardiovascular Imaging and the American Society of Echocardiography. European Heart Journal Cardiovascular Imaging, 2016, 17, 1191-1229.	1.2	300
49	Abnormal right ventricular-pulmonary artery coupling with exercise in heart failure with preserved ejection fraction. European Heart Journal, 2016, 37, 3293-3302.	2.2	259
50	Impact of age on pulmonary artery systolic pressures at rest and with exercise. Journal of Animal Science and Technology, 2016, 3, 53-61.	2.5	31
51	Pulmonary Hypertension in Patients Undergoing Transcatheter Aortic Valve Replacement. Circulation: Cardiovascular Interventions, 2015, 8, e002253.	3.9	4
52	Regenerative Therapy Prevents Heart Failure Progression in Dyssynchronous Nonischemic Narrow QRS Cardiomyopathy. Journal of the American Heart Association, 2015, 4, .	3.7	18
53	Dramatic and sustained responsiveness of pulmonary Langerhans cell histiocytosis-associated pulmonary hypertension to vasodilator therapy. Respiratory Medicine Case Reports, 2015, 14, 13-15.	0.4	10
54	Reference Values for Right Ventricular Strain in Patients without Cardiopulmonary Disease: A Prospective Evaluation and Metaâ€Analysis. Echocardiography, 2015, 32, 787-796.	0.9	79

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55	Differential Hemodynamic Effects of Exercise and Volume Expansion in People With and Without Heart Failure. Circulation: Heart Failure, 2015, 8, 41-48.	3.9	167
56	Effect of positive end-expiratory pressure on porcine right ventricle function assessed by speckle tracking echocardiography. BMC Anesthesiology, 2015, 15, 49.	1.8	23
57	Enhanced Pulmonary Vasodilator Reserve and Abnormal Right Ventricular. Circulation: Heart Failure, 2015, 8, 542-550.	3.9	83
58	Outcome prediction in sepsis: Speckle tracking echocardiography based assessment of myocardial function. Critical Care, 2014, 18, R149.	5.8	135
59	Prognostic Impact of Pulmonary Artery Systolic Pressure in Patients Undergoing Transcatheter Aortic Valve Replacement for Aortic Stenosis. American Journal of Cardiology, 2014, 114, 1562-1567.	1.6	34
60	Diastolic Stress Echocardiography: The Time Has Come for Its Integration into Clinical Practice. Journal of the American Society of Echocardiography, 2014, 27, 1060-1063.	2.8	25
61	2014 ACC/AHA Guideline on Perioperative Cardiovascular Evaluation and Management of PatientsÂUndergoing Noncardiac Surgery. Journal of the American College of Cardiology, 2014, 64, e77-e137.	2.8	1,135
62	Impact of General and Central Adiposity onÂVentricular-Arterial Aging inÂWomen and Men. JACC: Heart Failure, 2014, 2, 489-499.	4.1	70
63	Impaired Left Ventricular Mechanics in Pulmonary Arterial Hypertension. Circulation: Heart Failure, 2013, 6, 748-755.	3.9	106
64	Induced pluripotent stem cell intervention rescues ventricular wall motion disparity, achieving biological cardiac resynchronization postâ€infarction. Journal of Physiology, 2013, 591, 4335-4349.	2.9	37
65	Role of Serial Quantitative Assessment of Right Ventricular Function by Strain in Pulmonary Arterial Hypertension. American Journal of Cardiology, 2013, 111, 143-148.	1.6	137
66	Outcome Prediction by Quantitative Right Ventricular Function Assessment in 575 Subjects Evaluated for Pulmonary Hypertension. Circulation: Cardiovascular Imaging, 2013, 6, 711-721.	2.6	349
67	Pericardial Effusions in Pulmonary Arterial Hypertension. Chest, 2013, 144, 1530-1538.	0.8	81
68	Cardiac ATP-Sensitive Potassium Channels and Associated Channelopathies. , 2013, , 245-258.		0
69	An Exaggerated Blood Pressure Response to Treadmill Exercise does not Increase the Likelihood that Exercise Echocardiograms are Abnormal in Men or Women. Journal of the American Society of Echocardiography, 2012, 25, 1113-1119.	2.8	12
70	Diastolic Stress Test for the Evaluation of Exertional Dyspnea. Current Cardiology Reports, 2012, 14, 359-365.	2.9	10
71	Integration of Clinical and Hemodynamic Parameters in the Prediction of Long-term Survival in Patients With Pulmonary Arterial Hypertension. Chest, 2011, 139, 1285-1293.	0.8	124
72	Progression of Left Ventricular Diastolic Dysfunction and Risk of Heart Failure. JAMA - Journal of the American Medical Association, 2011, 306, 856-63.	7.4	560

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73	Right Ventricular Strain for Prediction of Survival in Patients With Pulmonary Arterial Hypertension. Chest, 2011, 139, 1299-1309.	0.8	298
74	Size, Shape, and Stamina. Hypertension, 2010, 55, 1143-1149.	2.7	35
75	Renal artery revascularization improves heart failure control in patients with atherosclerotic renal artery stenosis. Nephrology Dialysis Transplantation, 2010, 25, 813-820.	0.7	117
76	77-Year-Old Woman With Back Pain and Shortness of Breath. Mayo Clinic Proceedings, 2010, 85, 176-179.	3.0	3
77	Left Ventricular Function and Exercise Capacity. JAMA - Journal of the American Medical Association, 2009, 301, 286.	7.4	208
78	Age-Associated Increases in Pulmonary Artery Systolic Pressure in the General Population. Circulation, 2009, 119, 2663-2670.	1.6	384
79	Targeted Disruption of K_{ATP} Channels Aggravates Cardiac Toxicity in Cocaine Abuse. Clinical and Translational Science, 2009, 2, 361-365.	3.1	11
80	Proteomic profiling of K_{ATP} channelâ€deficient hypertensive heart maps risk for maladaptive cardiomyopathic outcome. Proteomics, 2009, 9, 1314-1325.	2.2	36
81	ATP-Sensitive K⁺ Channel Knockout Induces Cardiac Proteome Remodeling Predictive of Heart Disease Susceptibility. Journal of Proteome Research, 2009, 8, 4823-4834.	3.7	33
82	Pulmonary Hypertension: Diagnosis and Management. Mayo Clinic Proceedings, 2009, 84, 191-207.	3.0	89
83	Involvement of the heart by small and medium vessel vasculitis. Current Opinion in Rheumatology, 2009, 21, 29-34.	4.3	31
84	Pulmonary hypertension: diagnosis and management. Mayo Clinic Proceedings, 2009, 84, 191-207.	3.0	38
85	Safety of Stress Echocardiography Supervised by Registered Nurses: Results of a 2-Year Audit of 15,404 Patients. Journal of the American Society of Echocardiography, 2008, 21, 337-341.	2.8	53
86	Hypertensive response with exercise does not increase the prevalence of abnormal Tc-99m SPECT Stress Perfusion Images. American Heart Journal, 2008, 155, 930-937.	2.7	18
87	Benzocaine-Induced Methemoglobinemia Based on the Mayo Clinic Experience From 28Â478 Transesophageal Echocardiograms. Archives of Internal Medicine, 2007, 167, 1977.	3.8	103
88	Comparison between gadolinium and iodine contrast for percutaneous intervention in atherosclerotic renal artery stenosis: clinical outcomes. Nephrology Dialysis Transplantation, 2007, 23, 1233-1240.	0.7	43
89	Restenosis following Percutaneous Renal Artery Revascularization. Nephron Clinical Practice, 2007, 107, c63-c69.	2.3	8
90	Protection conferred by myocardial ATP-sensitive K+channels in pressure overload-induced congestive heart failure revealed inKCNJ11Kir6.2-null mutant. Journal of Physiology, 2006, 577, 1053-1065.	2.9	102

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91	KCNJ11 gene knockout of the Kir6.2 K ATP channel causes maladaptive remodeling and heart failure in hypertension. Human Molecular Genetics, 2006, 15, 2285-2297.	2.9	98
92	Gene knockout of the KCNJ8â€encoded Kir6.1 K ATP channel imparts fatal susceptibility to endotoxemia. FASEB Journal, 2006, 20, 2271-2280.	0.5	71
93	Cardiac K channels in health and disease. Journal of Molecular and Cellular Cardiology, 2005, 38, 937-943.	1.9	179
94	Genetic Disruption of Kir6.2, the Pore-Forming Subunit of ATP-Sensitive K+ Channel, Predisposes to Catecholamine-Induced Ventricular Dysrhythmia. Diabetes, 2004, 53, S165-S168.	0.6	68
95	ATP-Sensitive K+ Channel Knockout Compromises the Metabolic Benefit of Exercise Training, Resulting in Cardiac Deficits. Diabetes, 2004, 53, S169-S175.	0.6	89
96	Title is missing!. Journal of Muscle Research and Cell Motility, 2003, 24, 271-276.	2.0	9
97	Cellular remodeling in heart failure disrupts KATP channel-dependent stress tolerance. EMBO Journal, 2003, 22, 1732-1742.	7.8	85
98	Revisiting the role of nephrectomy for advanced renovascular disease. American Journal of Medicine, 2003, 114, 729-735.	1.5	25
99	Kir6.2 is required for adaptation to stress. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 13278-13283.	7.1	279
100	Renal artery stenosis and hypertension in pregnancy. American Journal of Hypertension, 2002, 15, A20.	2.0	1
101	Impact of gender on rest Tc-99m sestamibi-gated left ventricular ejection fraction. American Journal of Cardiology, 2002, 89, 1238-1241.	1.6	11
102	The role of nephrectomy for pressor kidney in the current era. American Journal of Hypertension, 2001, 14, A254-A255.	2.0	0