Vuyisile T Nkomo

List of Publications by Year
in descending order

112	8,810	136950 32	43889 91
papers	citations	h-index	g-index

112	112	112	8636
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Doppler Mean Gradient Is Discordant to Aortic Valve Calcium Scores in Patients with Atrial Fibrillation Undergoing Transcatheter Aortic Valve Replacement. Journal of the American Society of Echocardiography, 2022, 35, 116-123.	2.8	8
2	Impact of Atrial Fibrillation on Outcomes of Aortic Valve Implantation. American Journal of Cardiology, 2022, 163, 50-57.	1.6	1
3	First Experience With a Novel Live 3D ICE Catheter to Guide Transcatheter Structural Heart Interventions. JACC: Cardiovascular Imaging, 2022, 15, 1502-1509.	5.3	10
4	Risk of left atrial appendage thrombus and stroke in patients with atrial fibrillation and mitral regurgitation. Heart, 2022, 108, 29-36.	2.9	1
5	Performance of Echocardiographic Algorithms for Assessment of High Aortic Bioprosthetic Valve Gradients. Journal of the American Society of Echocardiography, 2022, 35, 682-691.e2.	2.8	5
6	Immobile Leaflets at Time of Bioprosthetic Valve Implantation: A Novel Risk Factor for Early Bioprosthetic Failure. Heart Lung and Circulation, 2022, , .	0.4	3
7	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
8	Renal function changes associated with transcatheter aortic valve-in-valve for prosthetic regurgitation compared to stenosis. IJC Heart and Vasculature, 2022, 39, 100999.	1.1	0
9	Atrial mitral regurgitation: Characteristics and outcomes of transcatheter mitral valve edgeâ€toâ€edge repair. Catheterization and Cardiovascular Interventions, 2022, 100, 133-142.	1.7	4
10	Averaged Transaortic Mean Gradient during Atrial Fibrillation Does Not Accurately Reflect Aortic Stenosis Severity. Journal of the American Society of Echocardiography, 2022, 35, 885-887.	2.8	1
11	Contemporary demographics, diagnostics and outcomes in non-bacterial thrombotic endocarditis. Heart, 2022, 108, 1637-1643.	2.9	18
12	Intrinsic cardiac elastography in patients with primary mitral regurgitation: predictive role after mitral valve repair. European Heart Journal Cardiovascular Imaging, 2021, 22, 912-921.	1.2	5
13	Diastolic blood pressure predicts outcomes after aortic paravalvular leak closure. Catheterization and Cardiovascular Interventions, 2021, 97, E79-E87.	1.7	3
14	Effect of a fourthâ€generation transcatheter valve enhanced skirt on paravalvular leak. Catheterization and Cardiovascular Interventions, 2021, 97, 895-902.	1.7	18
15	Prognostic Risk Stratification of Patients with Moderate Aortic Stenosis. Journal of the American Society of Echocardiography, 2021, 34, 248-256.	2.8	36
16	Contemporary differences between bicuspid and tricuspid aortic valve in chronic aortic regurgitation. Heart, 2021, 107, 916-924.	2.9	9
17	Persistence of Left Atrial Appendage Thrombus in Patients With CardiacÂAmyloidosis. Journal of the American College of Cardiology, 2021, 77, 342-343.	2.8	9
18	Association of Transcatheter Mitral Valve Repair Availability With Outcomes of Mitral Valve Surgery. Journal of the American Heart Association, 2021, 10, e019314.	3.7	1

#	Article	IF	Citations
19	A Novel Assessment Using Projected Transmitral Gradient Improves Diagnostic Yield of Doppler Hemodynamics in Rheumatic and CalcificÂMitral Stenosis. JACC: Cardiovascular Imaging, 2021, 14, 559-570.	5.3	10
20	Atrial fibrillation is associated with large beat-to-beat variability in mitral and tricuspid annulus dimensions. European Heart Journal Cardiovascular Imaging, 2021, , .	1.2	6
21	Efficacy and safety of percutaneous mitral balloon valvotomy in patients with mitral stenosis: A systematic review and meta-analysis. IJC Heart and Vasculature, 2021, 33, 100765.	1.1	2
22	Gradient changes in bioprosthetic valve thrombosis: duration of anticoagulation and strategies to improve detection. Open Heart, 2021, 8, e001608.	2.3	6
23	Stroke Associated With Infective Endocarditis After Transcatheter Aortic Valve Replacement Is Devastating. Journal of the American College of Cardiology, 2021, 77, 2288-2290.	2.8	1
24	Hemolysis after transcatheter mitral valve replacement in degenerated bioprostheses, annuloplasty rings, and mitral annular calcification: Incidence, patient characteristics, and clinical outcomes. Catheterization and Cardiovascular Interventions, 2021, 98, 776-785.	1.7	3
25	Post Procedural Peak Left Atrial Contraction Strain Predicts Recurrence of Arrhythmia after Catheter Ablation of Atrial Fibrillation. Cardiovascular Ultrasound, 2021, 19, 22.	1.6	8
26	Risk for Increased Mean Diastolic Gradient after Transcatheter Edge-to-Edge Mitral Valve Repair: A Quantitative Three-Dimensional Transesophageal Echocardiographic Analysis. Journal of the American Society of Echocardiography, 2021, 34, 595-603.e2.	2.8	16
27	Clinical predictors and impact of postoperative mean gradient on outcome after transcatheter edgeâ€toâ€edge mitral valve repair. Catheterization and Cardiovascular Interventions, 2021, 98, E932-E937.	1.7	1
28	High Prevalence of Severe Aortic Stenosis in Low-Flow State Associated With Atrial Fibrillation. Circulation: Cardiovascular Imaging, 2021, 14, e012453.	2.6	15
29	Effect of eliminating preâ€discharge transthoracic echocardiogram on outcomes after TAVR. Catheterization and Cardiovascular Interventions, 2021, , .	1.7	1
30	Cardiac Amyloidosis in Patients With Persistent Left Atrial Thrombus. Journal of the American College of Cardiology, 2021, 78, e87.	2.8	1
31	Determinants of Morbidity and Mortality Associated With Isolated Tricuspid Valve Surgery. Journal of the American Heart Association, 2021, 10, e018417.	3.7	26
32	Reduction in Right Atrial Pressures Is Associated With Hemodynamic Improvements After Transcatheter Edge-to-Edge Repair of the Tricuspid Valve. Circulation: Cardiovascular Interventions, 2021, 14, CIRCINTERVENTIONS121010557.	3.9	8
33	Left Ventricular Contractility and WallÂStress in Patients With AorticÂStenosis With Preserved or Reduced Ejection Fraction. JACC: Cardiovascular Imaging, 2020, 13, 357-369.	5.3	25
34	Incidence, Mechanisms, and Predictors of Mean Systolic Gradients â‰¥20 mm Hg after Transcatheter Aortic Valve Implantation. American Journal of Cardiology, 2020, 125, 941-947.	1.6	1
35	Impact of Stroke Volume Index and Left Ventricular Ejection Fraction on Mortality After Aortic Valve Replacement. Mayo Clinic Proceedings, 2020, 95, 69-76.	3.0	4
36	Predictive value of left ventricular diastolic chamber stiffness in patients with severe aortic stenosis undergoing aortic valve replacement. European Heart Journal Cardiovascular Imaging, 2020, 21, 1160-1168.	1.2	6

#	Article	IF	Citations
37	Transcatheter Implantation of SAPIEN S3 Valve in a Large Flexible Tricuspid Annuloplasty Ring. Structural Heart, 2020, 4, 448-450.	0.6	0
38	Atrial fibrillation is not an independent predictor of outcome in patients with aortic stenosis. Heart, 2020, 106, 280-286.	2.9	21
39	Relationship Between Anemia and Sudden Cardiac Death in Patients With Severe Aortic Stenosis. American Journal of Cardiology, 2020, 136, 107-114.	1.6	4
40	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
41	Left ventricular filling pressure and survival following aortic valve replacement for severe aortic stenosis. Heart, 2020, 106, 830-837.	2.9	15
42	Long-Term Outcomes of Anticoagulation for Bioprosthetic Valve Thrombosis. Journal of the American College of Cardiology, 2020, 75, 857-866.	2.8	36
43	Longâ€Term Outcomes After Transcatheter and Surgical Aortic Valve Replacement in Patients With Cirrhosis: A Guide for the Hepatologist. Hepatology, 2020, 72, 1735-1746.	7.3	14
44	Aetiology and outcomes of severe right ventricular dysfunction. European Heart Journal, 2020, 41, 1273-1282.	2.2	42
45	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
46	Characteristics and outcomes of patients with normal left atrial pressure undergoing transcatheter mitral valve repair. Heart, 2020, 106, 898-903.	2.9	14
47	Left Ventricular Global Longitudinal Strain Is Associated With Long-Term Outcomes in Moderate Aortic Stenosis. Circulation: Cardiovascular Imaging, 2020, 13, e009958.	2.6	52
48	Temporal Trends in Resource Use, Cost, and Outcomes of Transcatheter Aortic Valve Replacement in the United States. Mayo Clinic Proceedings, 2020, 95, 2665-2673.	3.0	13
49	Thromboembolic Complications of Annuloplasty Rings. JACC: Cardiovascular Imaging, 2020, 14, 1659-1665.	5.3	1
50	Prognostic Importance and Predictors of Survival in Isolated Tricuspid Regurgitation: A Growing Problem. Mayo Clinic Proceedings, 2019, 94, 2032-2039.	3.0	38
51	Hemodynamics and Prognostic Impact of Concomitant Mitral Stenosis in Patients Undergoing Surgical or Transcatheter Aortic Valve Replacement for Aortic Stenosis. Circulation, 2019, 140, 1251-1260.	1.6	11
52	Epidemiology of heart valve disease. , 2019, , 41-62.		2
53	Effect of Transcatheter Aortic Valve Replacement on Right Ventricularâ€“Pulmonary ArteryÂCoupling. JACC: Cardiovascular Interventions, 2019, 12, 2145-2154.	2.9	39
54	Predictors of Progression in Patients With Stage B Aortic Regurgitation. Journal of the American College of Cardiology, 2019, 74, 2480-2492.	2.8	26

#	Article	IF	Citations
55	Quantitative Three-Dimensional Echocardiographic Correlates of Optimal Mitral Regurgitation Reduction during Transcatheter Mitral Valve Repair. Journal of the American Society of Echocardiography, 2019, 32, 1426-1435.e1.	2.8	17
56	Long-Term Implications of Atrial Fibrillation in Patients With Degenerative Mitral Regurgitation. Journal of the American College of Cardiology, 2019, 73, 264-274.	2.8	54
57	Left ventricular remodeling and function after transapical versus transfemoral transcatheter aortic valve replacement. Catheterization and Cardiovascular Interventions, 2019, 94, 738-744.	1.7	5
58	Direct Current Cardioversion of AtrialÂArrhythmias in Adults With CardiacÂAmyloidosis. Journal of the American College of Cardiology, 2019, 73, 589-597.	2.8	116
59	Reply. Journal of the American College of Cardiology, 2019, 73, 2911-2913.	2.8	1
60	Characteristics and treatment strategies for severe tricuspid regurgitation. Heart, 2019, 105, 1244-1250.	2.9	21
61	Utility of 30-Day Continuous Ambulatory Monitoring to Identify Patients With Delayed Occurrence of Atrioventricular Block After Transcatheter Aortic Valve Replacement. Circulation: Cardiovascular Interventions, 2019, 12, e007635.	3.9	26
62	Outcome and undertreatment of mitral regurgitation: a community cohort study. Lancet, The, 2018, 391, 960-969.	13.7	252
63	Management of Patients With Aortic ValveÂStenosis. Mayo Clinic Proceedings, 2018, 93, 488-508.	3.0	96
64	The MIDA Mortality Risk Score: development and external validation of a prognostic model for early and late death in degenerative mitral regurgitation. European Heart Journal, 2018, 39, 1281-1291.	2.2	54
65	Mitral Valve Anatomic Predictors of Hemodynamic Success With Transcatheter Mitral Valve Repair. Journal of the American Heart Association, 2018, 7, .	3.7	36
66	Reduced Left Ventricular Ejection Fraction in Patients With Aortic Stenosis. Journal of the American College of Cardiology, 2018, 71, 1313-1321.	2.8	128
67	Comparative study of bicuspid vs. tricuspid aortic valve stenosis. European Heart Journal Cardiovascular Imaging, 2018, 19, 3-8.	1.2	34
68	Infective endocarditis following transcatheter aortic valve replacement: Diagnostic yield of echocardiography and associated echo-Doppler findings. International Journal of Cardiology, 2018, 271, 392-395.	1.7	12
69	Aortic valve hemodynamics in atrial fibrillation: Should the highest Doppler signal be used to estimate severity of aortic stenosis?. Echocardiography, 2018, 35, 869-871.	0.9	5
70	Prognostic Implication of Electrocardiographic Left Ventricular Strain in Patients Who Underwent Transcatheter Aortic Valve Implantation. American Journal of Cardiology, 2018, 122, 1042-1046.	1.6	9
71	Cardiac Myxoma. JACC: Cardiovascular Imaging, 2017, 10, 203-206.	5.3	22
72	Morbidity and Mortality Associated With Balloon Aortic Valvuloplasty. Circulation: Cardiovascular Interventions, 2017, 10, .	3.9	70

#	Article	IF	Citations
73	Transthoracic Echocardiography versus Computed Tomography for Ascending Aortic Measurements in Patients with Bicuspid AorticÂValve. Journal of the American Society of Echocardiography, 2017, 30, 625-635.	2.8	31
74	Frequency, Predictors, and Implications of Abnormal Blood Pressure Responses During Dobutamine Stress Echocardiography. Circulation: Cardiovascular Imaging, 2017, 10, .	2.6	14
75	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
76	Transcatheter and Surgical Management ofÂMitralÂParavalvular Leak. JACC: Cardiovascular Interventions, 2017, 10, 1946-1956.	2.9	81
77	Association Between Echocardiography Laboratory Accreditation and the Quality of Imaging and Reporting for Valvular Heart Disease. Circulation: Cardiovascular Imaging, 2017, 10, .	2.6	29
78	Successful Percutaneous Mitral Paravalvular Leak Closure Is Associated With Improved Midterm Survival. Circulation: Cardiovascular Interventions, 2017, 10, .	3.9	40
79	Abstract 21016: Left Atrial Dysfunction Persists After Transapical but Not Transfemoral Transcatheter Aortic Valve Replacement and is Associated With Worse Outcomes. Circulation, 2017, 136, .	1.6	0
80	The effect of mitral valve surgery on ventricular arrhythmia in patients with bileaflet mitral valve prolapse. Indian Pacing and Electrophysiology Journal, 2016, 16, 187-191.	0.6	41
81	Outcomes of Transvenous Lead Extraction for Cardiovascular Implantable Electronic Device Infections in Patients With Prosthetic Heart Valves. Circulation: Arrhythmia and Electrophysiology, 2016, 9, .	4.8	14
82	Impact of right ventricular size and function on survival following transcatheter aortic valve replacement. International Journal of Cardiology, 2016, 221, 269-274.	1.7	48
83	Reduction in malignant ventricular arrhythmia and appropriate shocks following surgical correction of bileaflet mitral valve prolapse. Journal of Interventional Cardiac Electrophysiology, 2016, 46, 137-143.	1.3	51
84	47-Year-Old Woman With Chest Pain. Mayo Clinic Proceedings, 2016, 91, 367-371.	3.0	0
85	Quadricuspid Aortic Valve. Circulation, 2016, 133, 312-319.	1.6	106
86	Cardiac resynchronization therapy in low-flow low-gradient aortic stenosis. European Heart Journal Cardiovascular Imaging, 2016, 17, 145-145.	1.2	0
87	Assessment of Prosthetic Valve FunctionÂAfter TAVR. JACC: Cardiovascular Imaging, 2016, 9, 193-206.	5.3	32
88	Sex-related differences in calcific aortic stenosis: correlating clinical and echocardiographic characteristics and computed tomography aortic valve calcium score to excised aortic valve weight. European Heart Journal, 2016, 37, 693-699.	2.2	70
89	Typical blood pressure response during dobutamine stress echocardiography of patients without known cardiovascular disease who have normal stress echocardiograms. European Heart Journal Cardiovascular Imaging, 2016, 17, 557-563.	1.2	15
90	Significant LVOT obstruction after mitral valve in ring procedure:. European Heart Journal Cardiovascular Imaging, 2015, 16, jev235.	1.2	7

#	Article	IF	Citations
91	Causes of death and predictors of survival after aortic valve replacement in low flow vs. normal flow severe aortic stenosis with preserved ejection fraction. European Heart Journal Cardiovascular Imaging, 2015, 16, 1270-1275.	1.2	35
92	The Impassable Septum. JACC: Cardiovascular Interventions, 2015, 8, e183-e185.	2.9	1
93	Mechanisms of Mitral Valve Dysfunction Following Mitral Valve Repair for Degenerative Disease. JACC: Cardiovascular Imaging, 2015, 8, 1223-1227.	5.3	7
94	Rapid pannus formation: a rare cause of mitral stenosis following successful mitral valve repair. European Heart Journal Cardiovascular Imaging, 2015, 17, jev245.	1.2	0
95	Outcomes of Patients With Severe Chronic Lung Disease Who Are Undergoing Transcatheter Aortic Valve Replacement. Annals of Thoracic Surgery, 2015, 100, 2136-2146.	1.3	39
96	Clinical Outcome of IsolatedÂTricuspidÂRegurgitation. JACC: Cardiovascular Imaging, 2014, 7, 1185-1194.	5.3	443
97	The Global Burden of Aortic Stenosis. Progress in Cardiovascular Diseases, 2014, 56, 565-571.	3.1	191
98	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
99	Delayed Transcatheter Heart Valve MigrationÂand Failure. JACC: Cardiovascular Imaging, 2014, 7, 960-962.	5.3	13
100	23-Year-Old Woman With Syncope. Mayo Clinic Proceedings, 2014, 89, e93-e97.	3.0	0
101	Perioperative risk of major non-cardiac surgery in patients with severe aortic stenosis: a reappraisal in contemporary practice. European Heart Journal, 2014, 35, 2372-2381.	2.2	96
102	An Approach to the Stepwise Management of Severe Mitral Regurgitation with Optimal Cardiac Pacemaker Function. Indian Pacing and Electrophysiology Journal, 2014, 14, 75-78.	0.6	2
103	Plugged!. Journal of the American College of Cardiology, 2013, 61, 356.	2.8	0
104	Aortic Stenosis in the Elderly. Journal of the American College of Cardiology, 2013, 62, 1002-1012.	2.8	935
105	Mitral Regurgitation. , 2009, , 221-246.		6
106	Natural History of Asymptomatic Patients With Normally Functioning or Minimally Dysfunctional Bicuspid Aortic Valve in the Community. Circulation, 2008, 117, 2776-2784.	1.6	503
107	Epidemiology and prevention of valvular heart diseases and infective endocarditis in Africa. Heart, 2006, 93, 1510-1519.	2.9	98
108	Burden of valvular heart diseases: a population-based study. Lancet, The, 2006, 368, 1005-1011.	13.7	3,825

#	Article	IF	Citations
109	Rheumatic and Nonrheumatic Valvular Heart Disease. Circulation, 2005, 112, 3584-3591.	1.6	167
110	Indications for surgery for aortic regurgitation. Current Cardiology Reports, 2003, 5, 105-109.	2.9	9
111	Bicuspid Aortic Valve Associated With Aortic Dilatation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 351-356.	2.4	172
112	Eustachian valve cyst. Journal of the American Society of Echocardiography, 2001, 14, 1224-1226.	2.8	11