

# Vuyisile T Nkomo

## List of Publications by Year in descending order

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112  
papers

8,810  
citations

136950

32  
h-index

43889

91  
g-index

112  
all docs

112  
docs citations

112  
times ranked

8636  
citing authors

#	ARTICLE	IF	CITATIONS
1	Burden of valvular heart diseases: a population-based study. <i>Lancet, The</i> , 2006, 368, 1005-1011.	13.7	3,825
2	Aortic Stenosis in the Elderly. <i>Journal of the American College of Cardiology</i> , 2013, 62, 1002-1012.	2.8	935
3	Natural History of Asymptomatic Patients With Normally Functioning or Minimally Dysfunctional Bicuspid Aortic Valve in the Community. <i>Circulation</i> , 2008, 117, 2776-2784.	1.6	503
4	Clinical Outcome of Isolated Aortic Regurgitation. <i>JACC: Cardiovascular Imaging</i> , 2014, 7, 1185-1194.	5.3	443
5	Outcome and undertreatment of mitral regurgitation: a community cohort study. <i>Lancet, The</i> , 2018, 391, 960-969.	13.7	252
6	The Global Burden of Aortic Stenosis. <i>Progress in Cardiovascular Diseases</i> , 2014, 56, 565-571.	3.1	191
7	Bicuspid Aortic Valve Associated With Aortic Dilatation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003, 23, 351-356.	2.4	172
8	Rheumatic and Nonrheumatic Valvular Heart Disease. <i>Circulation</i> , 2005, 112, 3584-3591.	1.6	167
9	Reduced Left Ventricular Ejection Fraction in Patients With Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , 2018, 71, 1313-1321.	2.8	128
10	Direct Current Cardioversion of Atrial Arrhythmias in Adults With Cardiac Amyloidosis. <i>Journal of the American College of Cardiology</i> , 2019, 73, 589-597.	2.8	116
11	Quadricuspid Aortic Valve. <i>Circulation</i> , 2016, 133, 312-319.	1.6	106
12	Epidemiology and prevention of valvular heart diseases and infective endocarditis in Africa. <i>Heart</i> , 2006, 93, 1510-1519.	2.9	98
13	Perioperative risk of major non-cardiac surgery in patients with severe aortic stenosis: a reappraisal in contemporary practice. <i>European Heart Journal</i> , 2014, 35, 2372-2381.	2.2	96
14	Management of Patients With Aortic Valve Stenosis. <i>Mayo Clinic Proceedings</i> , 2018, 93, 488-508.	3.0	96
15	Transcatheter and Surgical Management of Mitral Paravalvular Leak. <i>JACC: Cardiovascular Interventions</i> , 2017, 10, 1946-1956.	2.9	81
16	Sex-related differences in calcific aortic stenosis: correlating clinical and echocardiographic characteristics and computed tomography aortic valve calcium score to excised aortic valve weight. <i>European Heart Journal</i> , 2016, 37, 693-699.	2.2	70
17	Morbidity and Mortality Associated With Balloon Aortic Valvuloplasty. <i>Circulation: Cardiovascular Interventions</i> , 2017, 10, .	3.9	70
18	Acute Changes in Left Atrial Pressure After MitraClip Are Associated With Improvement in 6-Minute Walk Distance. <i>Circulation: Cardiovascular Interventions</i> , 2017, 10, .	3.9	63

#	ARTICLE	IF	CITATIONS
19	The MIDA Mortality Risk Score: development and external validation of a prognostic model for early and late death in degenerative mitral regurgitation. <i>European Heart Journal</i> , 2018, 39, 1281-1291.	2.2	54
20	Long-Term Implications of Atrial Fibrillation in Patients With Degenerative Mitral Regurgitation. <i>Journal of the American College of Cardiology</i> , 2019, 73, 264-274.	2.8	54
21	Left Ventricular Global Longitudinal Strain Is Associated With Long-Term Outcomes in Moderate Aortic Stenosis. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e009958.	2.6	52
22	Reduction in malignant ventricular arrhythmia and appropriate shocks following surgical correction of bileaflet mitral valve prolapse. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2016, 46, 137-143.	1.3	51
23	Impact of right ventricular size and function on survival following transcatheter aortic valve replacement. <i>International Journal of Cardiology</i> , 2016, 221, 269-274.	1.7	48
24	Aetiology and outcomes of severe right ventricular dysfunction. <i>European Heart Journal</i> , 2020, 41, 1273-1282.	2.2	42
25	The effect of mitral valve surgery on ventricular arrhythmia in patients with bileaflet mitral valve prolapse. <i>Indian Pacing and Electrophysiology Journal</i> , 2016, 16, 187-191.	0.6	41
26	Successful Percutaneous Mitral Paravalvular Leak Closure Is Associated With Improved Midterm Survival. <i>Circulation: Cardiovascular Interventions</i> , 2017, 10, .	3.9	40
27	Outcomes of Patients With Severe Chronic Lung Disease Who Are Undergoing Transcatheter Aortic Valve Replacement. <i>Annals of Thoracic Surgery</i> , 2015, 100, 2136-2146.	1.3	39
28	Effect of Transcatheter Aortic Valve Replacement on Right Ventricular "Pulmonary Artery" Coupling. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 2145-2154.	2.9	39
29	Prognostic Importance and Predictors of Survival in Isolated Tricuspid Regurgitation: A Growing Problem. <i>Mayo Clinic Proceedings</i> , 2019, 94, 2032-2039.	3.0	38
30	Mitral Valve Anatomic Predictors of Hemodynamic Success With Transcatheter Mitral Valve Repair. <i>Journal of the American Heart Association</i> , 2018, 7, .	3.7	36
31	Long-Term Outcomes of Anticoagulation for Bioprosthetic Valve Thrombosis. <i>Journal of the American College of Cardiology</i> , 2020, 75, 857-866.	2.8	36
32	Prognostic Risk Stratification of Patients with Moderate Aortic Stenosis. <i>Journal of the American Society of Echocardiography</i> , 2021, 34, 248-256.	2.8	36
33	Causes of death and predictors of survival after aortic valve replacement in low flow vs. normal flow severe aortic stenosis with preserved ejection fraction. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 1270-1275.	1.2	35
34	Prognostic Impact of Pulmonary Artery Systolic Pressure in Patients Undergoing Transcatheter Aortic Valve Replacement for Aortic Stenosis. <i>American Journal of Cardiology</i> , 2014, 114, 1562-1567.	1.6	34
35	Comparative study of bicuspid vs. tricuspid aortic valve stenosis. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 3-8.	1.2	34
36	Assessment of Prosthetic Valve Function After TAVR. <i>JACC: Cardiovascular Imaging</i> , 2016, 9, 193-206.	5.3	32

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37	Transthoracic Echocardiography versus Computed Tomography for Ascending Aortic Measurements in Patients with Bicuspid Aortic Valve. <i>Journal of the American Society of Echocardiography</i> , 2017, 30, 625-635.	2.8	31
38	Association Between Echocardiography Laboratory Accreditation and the Quality of Imaging and Reporting for Valvular Heart Disease. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	2.6	29
39	Predictors of Progression in Patients With Stage B Aortic Regurgitation. <i>Journal of the American College of Cardiology</i> , 2019, 74, 2480-2492.	2.8	26
40	Utility of 30-Day Continuous Ambulatory Monitoring to Identify Patients With Delayed Occurrence of Atrioventricular Block After Transcatheter Aortic Valve Replacement. <i>Circulation: Cardiovascular Interventions</i> , 2019, 12, e007635.	3.9	26
41	Determinants of Morbidity and Mortality Associated With Isolated Tricuspid Valve Surgery. <i>Journal of the American Heart Association</i> , 2021, 10, e018417.	3.7	26
42	Left Ventricular Contractility and Wall Stress in Patients With Aortic Stenosis With Preserved or Reduced Ejection Fraction. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 357-369.	5.3	25
43	Cardiac Myxoma. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 203-206.	5.3	22
44	Characteristics and treatment strategies for severe tricuspid regurgitation. <i>Heart</i> , 2019, 105, 1244-1250.	2.9	21
45	Atrial fibrillation is not an independent predictor of outcome in patients with aortic stenosis. <i>Heart</i> , 2020, 106, 280-286.	2.9	21
46	Effect of a fourth-generation transcatheter valve enhanced skirt on paravalvular leak. <i>Catheterization and Cardiovascular Interventions</i> , 2021, 97, 895-902.	1.7	18
47	Contemporary demographics, diagnostics and outcomes in non-bacterial thrombotic endocarditis. <i>Heart</i> , 2022, 108, 1637-1643.	2.9	18
48	Quantitative Three-Dimensional Echocardiographic Correlates of Optimal Mitral Regurgitation Reduction during Transcatheter Mitral Valve Repair. <i>Journal of the American Society of Echocardiography</i> , 2019, 32, 1426-1435.e1.	2.8	17
49	Risk for Increased Mean Diastolic Gradient after Transcatheter Edge-to-Edge Mitral Valve Repair: A Quantitative Three-Dimensional Transesophageal Echocardiographic Analysis. <i>Journal of the American Society of Echocardiography</i> , 2021, 34, 595-603.e2.	2.8	16
50	Typical blood pressure response during dobutamine stress echocardiography of patients without known cardiovascular disease who have normal stress echocardiograms. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 557-563.	1.2	15
51	Left ventricular filling pressure and survival following aortic valve replacement for severe aortic stenosis. <i>Heart</i> , 2020, 106, 830-837.	2.9	15
52	High Prevalence of Severe Aortic Stenosis in Low-Flow State Associated With Atrial Fibrillation. <i>Circulation: Cardiovascular Imaging</i> , 2021, 14, e012453.	2.6	15
53	Outcomes of Transvenous Lead Extraction for Cardiovascular Implantable Electronic Device Infections in Patients With Prosthetic Heart Valves. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016, 9, .	4.8	14
54	Frequency, Predictors, and Implications of Abnormal Blood Pressure Responses During Dobutamine Stress Echocardiography. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	2.6	14

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55	Long-Term Outcomes After Transcatheter and Surgical Aortic Valve Replacement in Patients With Cirrhosis: A Guide for the Hepatologist. <i>Hepatology</i> , 2020, 72, 1735-1746.	7.3	14
56	Characteristics and outcomes of patients with normal left atrial pressure undergoing transcatheter mitral valve repair. <i>Heart</i> , 2020, 106, 898-903.	2.9	14
57	Delayed Transcatheter Heart Valve Migration and Failure. <i>JACC: Cardiovascular Imaging</i> , 2014, 7, 960-962.	5.3	13
58	Temporal Trends in Resource Use, Cost, and Outcomes of Transcatheter Aortic Valve Replacement in the United States. <i>Mayo Clinic Proceedings</i> , 2020, 95, 2665-2673.	3.0	13
59	Infective endocarditis following transcatheter aortic valve replacement: Diagnostic yield of echocardiography and associated echo-Doppler findings. <i>International Journal of Cardiology</i> , 2018, 271, 392-395.	1.7	12
60	Eustachian valve cyst. <i>Journal of the American Society of Echocardiography</i> , 2001, 14, 1224-1226.	2.8	11
61	Hemodynamics and Prognostic Impact of Concomitant Mitral Stenosis in Patients Undergoing Surgical or Transcatheter Aortic Valve Replacement for Aortic Stenosis. <i>Circulation</i> , 2019, 140, 1251-1260.	1.6	11
62	Impact of Aortic Valve Replacement for Severe Aortic Stenosis on Perioperative Outcomes Following Major Noncardiac Surgery. <i>Mayo Clinic Proceedings</i> , 2020, 95, 727-737.	3.0	11
63	A Novel Assessment Using Projected Transmitral Gradient Improves Diagnostic Yield of Doppler Hemodynamics in Rheumatic and Calcific Mitral Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 559-570.	5.3	10
64	First Experience With a Novel Live 3D ICE Catheter to Guide Transcatheter Structural Heart Interventions. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 1502-1509.	5.3	10
65	Indications for surgery for aortic regurgitation. <i>Current Cardiology Reports</i> , 2003, 5, 105-109.	2.9	9
66	Prognostic Implication of Electrocardiographic Left Ventricular Strain in Patients Who Underwent Transcatheter Aortic Valve Implantation. <i>American Journal of Cardiology</i> , 2018, 122, 1042-1046.	1.6	9
67	Contemporary differences between bicuspid and tricuspid aortic valve in chronic aortic regurgitation. <i>Heart</i> , 2021, 107, 916-924.	2.9	9
68	Persistence of Left Atrial Appendage Thrombus in Patients With Cardiac Amyloidosis. <i>Journal of the American College of Cardiology</i> , 2021, 77, 342-343.	2.8	9
69	Post Procedural Peak Left Atrial Contraction Strain Predicts Recurrence of Arrhythmia after Catheter Ablation of Atrial Fibrillation. <i>Cardiovascular Ultrasound</i> , 2021, 19, 22.	1.6	8
70	Doppler Mean Gradient Is Discordant to Aortic Valve Calcium Scores in Patients with Atrial Fibrillation Undergoing Transcatheter Aortic Valve Replacement. <i>Journal of the American Society of Echocardiography</i> , 2022, 35, 116-123.	2.8	8
71	Reduction in Right Atrial Pressures Is Associated With Hemodynamic Improvements After Transcatheter Edge-to-Edge Repair of the Tricuspid Valve. <i>Circulation: Cardiovascular Interventions</i> , 2021, 14, CIRCINTERVENTIONS121010557.	3.9	8
72	Significant LVOT obstruction after mitral valve in ring procedure. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, jev235.	1.2	7

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73	Mechanisms of Mitral Valve Dysfunction Following Mitral Valve Repair for Degenerative Disease. JACC: Cardiovascular Imaging, 2015, 8, 1223-1227.	5.3	7
74	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
75	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
76	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
77	Gradient changes in bioprosthetic valve thrombosis: duration of anticoagulation and strategies to improve detection. Open Heart, 2021, 8, e001608.	2.3	6
78	Mitral Regurgitation. , 2009, , 221-246.		6
79	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
80	Left ventricular remodeling and function after transapical versus transfemoral transcatheter aortic valve replacement. Catheterization and Cardiovascular Interventions, 2019, 94, 738-744.	1.7	5
81	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
82	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
83	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
84	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
85	Relationship Between Anemia and Sudden Cardiac Death in Patients With Severe Aortic Stenosis. American Journal of Cardiology, 2020, 136, 107-114.	1.6	4
86	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
87	Diastolic blood pressure predicts outcomes after aortic paravalvular leak closure. Catheterization and Cardiovascular Interventions, 2021, 97, E79-E87.	1.7	3
88	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
89	Immobile Leaflets at Time of Bioprosthetic Valve Implantation: A Novel Risk Factor for Early Bioprosthetic Failure. Heart Lung and Circulation, 2022, , .	0.4	3
90	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

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91	Epidemiology of heart valve disease. , 2019, , 41-62.		2
92	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
93	The Impassable Septum. JACC: Cardiovascular Interventions, 2015, 8, e183-e185.	2.9	1
94	Reply. Journal of the American College of Cardiology, 2019, 73, 2911-2913.	2.8	1
95	Incidence, Mechanisms, and Predictors of Mean Systolic Gradients $\geq 20$ mm Hg after Transcatheter Aortic Valve Implantation. American Journal of Cardiology, 2020, 125, 941-947.	1.6	1
96	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
97	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
98	Clinical predictors and impact of postoperative mean gradient on outcome after transcatheter edge-to-edge mitral valve repair. Catheterization and Cardiovascular Interventions, 2021, 98, E932-E937.	1.7	1
99	Effect of eliminating pre-discharge transthoracic echocardiogram on outcomes after TAVR. Catheterization and Cardiovascular Interventions, 2021, , .	1.7	1
100	Cardiac Amyloidosis in Patients With Persistent Left Atrial Thrombus. Journal of the American College of Cardiology, 2021, 78, e87.	2.8	1
101	Thromboembolic Complications of Annuloplasty Rings. JACC: Cardiovascular Imaging, 2020, 14, 1659-1665.	5.3	1
102	Impact of Atrial Fibrillation on Outcomes of Aortic Valve Implantation. American Journal of Cardiology, 2022, 163, 50-57.	1.6	1
103	Risk of left atrial appendage thrombus and stroke in patients with atrial fibrillation and mitral regurgitation. Heart, 2022, 108, 29-36.	2.9	1
104	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
105	Plugged!. Journal of the American College of Cardiology, 2013, 61, 356.	2.8	0
106	23-Year-Old Woman With Syncope. Mayo Clinic Proceedings, 2014, 89, e93-e97.	3.0	0
107	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
108	47-Year-Old Woman With Chest Pain. Mayo Clinic Proceedings, 2016, 91, 367-371.	3.0	0

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109	Cardiac resynchronization therapy in low-flow low-gradient aortic stenosis. European Heart Journal Cardiovascular Imaging, 2016, 17, 145-145.	1.2	0
110	Transcatheter Implantation of SAPIEN S3 Valve in a Large Flexible Tricuspid Annuloplasty Ring. Structural Heart, 2020, 4, 448-450.	0.6	0
111	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
112	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