Annemien E Van Den Bosch

List of Publications by Year
in descending order

93 papers	2,538 citations	257450 24 h-index	223800 46 g-index
94 all docs	94 docs citations	94 times ranked	2675 citing authors

#	Article	IF	Citations
1	Unnatural History of Tetralogy of Fallot. Circulation, 2014, 130, 1944-1953.	1.6	187
2	The natural and unnatural history of the Mustard procedure: long-term outcome up to 40 years. European Heart Journal, 2014, 35, 1666-1674.	2.2	151
3	Long-term outcome and quality of life in adult patients after the Fontan operation. American Journal of Cardiology, 2004, 93, 1141-1145.	1.6	142
4	The Usefulness of Brain Natriuretic Peptide in Complex Congenital Heart Disease. Journal of the American College of Cardiology, 2012, 60, 2140-2149.	2.8	141
5	Three-dimensional Echocardiography in Congenital Heart Disease: An Expert Consensus Document from the European Association ofÂCardiovascular Imaging and the American Society of Echocardiography. Journal of the American Society of Echocardiography, 2017, 30, 1-27.	2.8	108
6	Prognostic Value of N-Terminal Pro-B-Type Natriuretic Peptide, Troponin-T, and Growth-Differentiation Factor 15 in Adult Congenital Heart Disease. Circulation, 2017, 135, 264-279.	1.6	93
7	Real-Time Transthoracic Three-Dimensional Echocardiographic Assessment of Left Ventricular Volume and Ejection Fraction in Congenital Heart Disease. Journal of the American Society of Echocardiography, 2006, 19, 1-6.	2.8	92
8	Comparison of Real-Time Three-Dimensional Echocardiography to Magnetic Resonance Imaging for Assessment of Left Ventricular Mass. American Journal of Cardiology, 2006, 97, 113-117.	1.6	84
9	The Unnatural History of the Ventricular Septal Defect. Journal of the American College of Cardiology, 2015, 65, 1941-1951.	2.8	84
10	N-Terminal Pro-B-Type Natriuretic Peptide andÂIts Relationship With Cardiac Function in Adults With Congenital Heart Disease. Journal of the American College of Cardiology, 2013, 62, 1203-1212.	2.8	79
11	Imaging the adult with congenital heart disease: a multimodality imaging approachâ€"position paper from the EACVI. European Heart Journal Cardiovascular Imaging, 2018, 19, 1077-1098.	1.2	71
12	Characterization of Atrial Septal Defect Assessed by Real-time 3-Dimensional Echocardiography. Journal of the American Society of Echocardiography, 2006, 19, 815-821.	2.8	63
13	Normal myocardial strain values using 2D speckle tracking echocardiography in healthy adults aged 20 to 72Âyears. Echocardiography, 2016, 33, 1665-1675.	0.9	53
14	Consensus recommendations for echocardiography in adults with congenital heart defects from the International Society of Adult Congenital Heart Disease (ISACHD). International Journal of Cardiology, 2018, 272, 77-83.	1.7	49
15	Feasibility and Accuracy of Real-time 3-Dimensional Echocardiographic Assessment of Ventricular Septal Defects. Journal of the American Society of Echocardiography, 2006, 19, 7-13.	2.8	47
16	Assessment of ventricular function in adults with repaired Tetralogy of Fallot using myocardial deformation imaging. European Heart Journal Cardiovascular Imaging, 2015, 16, jev090.	1.2	46
17	Surgical validation of real-time transthoracic 3D echocardiographic assessment of atrioventricular septal defects. International Journal of Cardiology, 2006, 112, 213-218.	1.7	35
18	Quantitative assessment of systolic right ventricular function using myocardial deformation in patients with a systemic right ventricle. European Heart Journal Cardiovascular Imaging, 2015, 16, 380-388.	1.2	35

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19	Intermodality variation of aortic dimensions: How, where and when to measure the ascending aorta. International Journal of Cardiology, 2019, 276, 230-235.	1.7	31
20	Sports participation in adults with congenital heart disease. International Journal of Cardiology, 2015, 187, 175-182.	1.7	30
21	High-sensitive troponin-T in adult congenital heart disease. International Journal of Cardiology, 2015, 184, 405-411.	1.7	28
22	Qualitative grading of aortic regurgitation: a pilot study comparing CMR 4D flow and echocardiography. International Journal of Cardiovascular Imaging, 2016, 32, 301-307.	1.5	28
23	Development and validation of a risk prediction model in patients with adult congenital heart disease. International Journal of Cardiology, 2019, 276, 87-92.	1.7	28
24	Clinical outcome of COVID-19 in patients with adult congenital heart disease. Heart, 2021, 107, 1226-1232.	2.9	28
25	Red cell distribution width in adults with congenital heart disease: A worldwide available and low-cost predictor of cardiovascular events. International Journal of Cardiology, 2018, 260, 60-65.	1.7	26
26	The prevalence of pulmonary arterial hypertension before and after atrial septal defect closure at adult age: A systematic review. American Heart Journal, 2018, 201, 63-71.	2.7	25
27	The Prognostic Value of Myocardial Deformation in Adult Patients With Corrected Tetralogy of Fallot. Journal of the American Society of Echocardiography, 2019, 32, 866-875.e2.	2.8	24
28	The prognostic value of various biomarkers in adults with pulmonary hypertension; a multi-biomarker approach. American Heart Journal, 2019, 208, 91-99.	2.7	24
29	Dynamic 3D echocardiography in virtual reality. Cardiovascular Ultrasound, 2005, 3, 37.	1.6	23
30	Quantitative assessment of systolic left ventricular function with speckle-tracking echocardiography in adult patients with repaired aortic coarctation. International Journal of Cardiovascular Imaging, 2016, 32, 777-787.	1.5	23
31	Pulmonary arterial stiffness indices assessed by intravascular ultrasound in children with early pulmonary vascular disease: prediction of advanced disease and mortality during 20-year follow-up. European Heart Journal Cardiovascular Imaging, 2018, 19, 216-224.	1.2	23
32	Prognostic value of soluble ST2 in adults with congenital heart disease. Heart, 2019, 105, 999-1006.	2.9	22
33	Prognostic Value of Serial Nâ€Terminal Proâ€Bâ€Type Natriuretic Peptide Measurements in Adults With Congenital Heart Disease. Journal of the American Heart Association, 2018, 7, .	3.7	20
34	High-Frame-Rate Echo-Particle Image Velocimetry Can Measure the High-Velocity Diastolic Flow Patterns. Circulation: Cardiovascular Imaging, 2019, 12, e008856.	2.6	20
35	A valueâ€based healthcare approach: Healthâ€related quality of life and psychosocial functioning in women with Turner syndrome. Clinical Endocrinology, 2020, 92, 434-442.	2.4	20
36	Ventricular myocardial deformation in adults after early surgical repair of atrial septal defect. European Heart Journal Cardiovascular Imaging, 2015, 16, 549-557.	1.2	19

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37	Prognostic value of galectin-3 in adults with congenital heart disease. Heart, 2018, 104, 394-400.	2.9	19
38	Echocardiographic parameters of severe pulmonary regurgitation after surgical repair of tetralogy of Fallot. Congenital Heart Disease, 2019, 14, 628-637.	0.2	18
39	Longitudinal development of psychopathology and subjective health status in CHD adults: a 30- to 43-year follow-up in a unique cohort. Cardiology in the Young, 2016, 26, 547-555.	0.8	17
40	Partial anomalous pulmonary venous return in Turner syndrome. European Journal of Radiology, 2017, 95, 141-146.	2.6	17
41	Prognostic value of left atrial size and function in adults with tetralogy of Fallot. International Journal of Cardiology, 2017, 236, 125-131.	1.7	16
42	Adverse outcome of coarctation stenting in patients with Turner syndrome. Catheterization and Cardiovascular Interventions, 2017, 89, 280-287.	1.7	16
43	Long-term clinical outcome and echocardiographic function of homografts in the right ventricular outflow tractâ€. European Journal of Cardio-thoracic Surgery, 2019, 55, 518-526.	1.4	16
44	Quantitative assessment of the entire right ventricle from one acoustic window: an attractive approach. European Heart Journal Cardiovascular Imaging, 2017, 18, 754-762.	1.2	15
45	Contrast-Enhanced High-Frame-Rate Ultrasound Imaging of Flow Patterns in Cardiac Chambers and Deep Vessels. Ultrasound in Medicine and Biology, 2020, 46, 2875-2890.	1.5	15
46	Wall shear stress angle is associated with aortic growth in bicuspid aortic valve patients. European Heart Journal Cardiovascular Imaging, 2022, 23, 1680-1689.	1.2	15
47	Associations between N-terminal pro-B-type natriuretic peptide and cardiac function in adults with corrected tetralogy of Fallot. International Journal of Cardiology, 2014, 174, 550-556.	1.7	14
48	The Prognostic Value of Soluble ST2 in Adults with Pulmonary Hypertension. Journal of Clinical Medicine, 2019, 8, 1517.	2.4	14
49	Growth differentiation factor-15 as candidate predictor for mortality in adults with pulmonary hypertension. Heart, 2020, 106, 467-473.	2.9	14
50	Inâ€depth echocardiographic analysis of left atrial function in healthy adults using speckle tracking echocardiography and volumetric analysis. Echocardiography, 2018, 35, 1956-1965.	0.9	13
51	Myocardial Stretch Post-atrial Contraction in Healthy Volunteers and Hypertrophic Cardiomyopathy Patients. Ultrasound in Medicine and Biology, 2019, 45, 1987-1998.	1.5	13
52	Early detection of ventricular arrhythmias in adults with congenital heart disease using an insertable cardiac monitor (EDVA-CHD study). International Journal of Cardiology, 2020, 305, 63-69.	1.7	13
53	Cardiovascular Morbidity and Mortality in Adult Patients With Repaired Aortic Coarctation. Journal of the American Heart Association, 2021, 10, e023199.	3.7	13
54	Prognostic value of brain natriuretic peptides in patients with pulmonary arterial hypertension: A systematic review and meta-analysis. American Heart Journal, 2022, 250, 34-44.	2.7	13

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55	Characterization of atrial septal defect by simultaneous multiplane two-dimensional echocardiography. European Heart Journal Cardiovascular Imaging, 2014, 15, 1145-1151.	1.2	12
56	New Applications in Echocardiography for Ultrasound Contrast Agents in the 21st Century. Ultrasound in Medicine and Biology, 2020, 46, 1071-1081.	1.5	12
57	Matrix metalloproteinases as candidate biomarkers in adults with congenital heart disease. Biomarkers, 2016, 21, 466-473.	1.9	11
58	Transthoracic 3D echocardiographic left heart chamber quantification in patients with bicuspid aortic valve disease. International Journal of Cardiovascular Imaging, 2017, 33, 1895-1903.	1.5	11
59	Prognostic value of C-reactive protein in adults with congenital heart disease. Heart, 2021, 107, 474-481.	2.9	11
60	A Novel 13â€Segment Standardized Model for Assessment of Right Ventricular Function Using Twoâ€Dimensional <scp>iR</scp>otate Echocardiography. Echocardiography, 2016, 33, 353-361.	0.9	10
61	Health-related quality of life and lived experiences in males and females with thoracic aortic disease and their partners. Open Heart, 2020, 7, e001419.	2.3	10
62	Left ventricular strain values using 3D speckle-tracking echocardiography in healthy adults aged 20 to 72Âyears. International Journal of Cardiovascular Imaging, 2021, 37, 1189-1201.	1.5	10
63	Imaging the adult with simple shunt lesions: position paper from the EACVI and the ESC WG on ACHD. Endorsed by AEPC (Association for European Paediatric and Congenital Cardiology). European Heart Journal Cardiovascular Imaging, 2021, 22, e58-e70.	1.2	10
64	The unnatural history of pulmonary stenosis up to 40â€…years after surgical repair. Heart, 2017, 103, 273-279.	2.9	9
65	The longitudinal use of EmPHasis-10 and CAMPHOR questionnaire health-related quality of life scores in patients with pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension. Respiratory Medicine, 2021, 186, 106525.	2.9	9
66	Educational Series in Congenital Heart Disease: Three-dimensional echocardiography in congenital heart disease. Echo Research and Practice, 2019, 6, R75-R86.	2.5	9
67	Use and impact of cardiac medication during pregnancy. Future Cardiology, 2015, 11, 89-100.	1.2	8
68	Three-dimensional echocardiography for the assessment of left ventricular geometry and papillary muscle morphology in hypertrophic cardiomyopathy. Journal of Ultrasound, 2018, 21, 17-24.	1.3	8
69	Lower Plasma Melatonin Levels Predict Worse Long-Term Survival in Pulmonary Arterial Hypertension. Journal of Clinical Medicine, 2020, 9, 1248.	2.4	8
70	Risk Factors for Pulmonary Hypertension in Adults After Atrial Septal Defect Closure. American Journal of Cardiology, 2019, 123, 1336-1342.	1.6	8
71	Prevalence of Micronutrient Deficiencies and Relationship with Clinical and Patient-Related Outcomes in Pulmonary Hypertension Types I and IV. Nutrients, 2021, 13, 3923.	4.1	8
72	Prognostic value of left atrial strain in patients with congenital aortic stenosis. European Heart Journal Open, 2022, 2, .	2.3	8

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73	Coronary anatomy in Turner syndrome versus patients with isolated bicuspid aortic valves. Heart, 2019, 105, 701-707.	2.9	7
74	Hypertensive response to exercise in adult patients with repaired aortic coarctation. Heart, 2022, , heartjnl-2021-320333.	2.9	7
75	Aortic dilation and growth in women with Turner syndrome. Heart, 2023, 109, 102-110.	2.9	7
76	Study protocol for a prospective cohort study to investigate Hemodynamic Adaptation to Pregnancy and Placenta-related Outcome: the HAPPO study. BMJ Open, 2019, 9, e033083.	1.9	6
77	Clinical outcome of anomalous coronary artery with interarterial course in adults: Single-center experience combined with a systematic review. International Journal of Cardiology, 2021, 335, 32-39.	1.7	6
78	Evaluation of intraventricular flow by multimodality imaging: a review and meta-analysis. Cardiovascular Ultrasound, 2021, 19, 38.	1.6	6
79	Association between N-terminal pro-brain natriuretic peptide and quality of life in adult patients with congenital heart disease. Cardiology in the Young, 2015, 25, 288-294.	0.8	5
80	Aortic Dimensions and Clinical Outcome in Patients With SMAD3 Mutations. Circulation Genomic and Precision Medicine, 2018, 11, e002329.	3.6	5
81	Prognostic significance of anterior mitral valve leaflet length in individuals with a hypertrophic cardiomyopathy gene mutation without hypertrophic changes. Journal of Ultrasound, 2018, 21, 217-224.	1.3	5
82	Left ventricular global longitudinal strain in bicupsid aortic valve patients: head-to-head comparison between computed tomography, 4D flow cardiovascular magnetic resonance and speckle-tracking echocardiography. International Journal of Cardiovascular Imaging, 2020, 36, 1771-1780.	1.5	5
83	Bicuspid aortic valve annulus: assessment of geometry and size changes during the cardiac cycle as measured with a standardized method to define the annular plane. European Radiology, 2021, 31, 8116-8129.	4.5	5
84	Abnormal Aortic Wall Properties in Women with Turner Syndrome. Aorta, 2020, 08, 121-131.	0.5	5
85	Prognostic Value of Serial High-Sensitivity Troponin TÂMeasurements in Adults With Congenital Heart Disease. Canadian Journal of Cardiology, 2020, 36, 1516-1524.	1.7	4
86	Quantitative assessment of the entire right ventricle from one acoustic window: An attractive approach in patients with congenital heart disease in daily practice. International Journal of Cardiology, 2021, 331, 75-81.	1.7	4
87	Evidence for a Role of CCR6+ T Cells in Chronic Thromboembolic Pulmonary Hypertension. Frontiers in Immunology, 2022, 13, 861450.	4.8	4
88	Evolution of blood biomarker levels following percutaneous atrial septal defect closure in adults. IJC Heart and Vasculature, 2020, 30, 100582.	1.1	3
89	Blood biomarkers in patients with bicuspid aortic valve disease. Journal of Cardiology, 2020, 76, 287-294.	1.9	3
90	Multi-plane echocardiographic assessment of right ventricular function in adults with repaired Tetralogy of Fallot. International Journal of Cardiovascular Imaging, 2021, 37, 2905-2915.	1.5	3

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91	Left ventricular high frame rate echo-particle image velocimetry: clinical application and comparison with conventional imaging. Cardiovascular Ultrasound, 2022, 20, 11.	1.6	3
92	Reply: Letter to the editor: Prognostic value of left atrial size and function in adults with tetralogy of Fallot. International Journal of Cardiology, 2017, 242, 37.	1.7	0
93	Variability in Echocardiographic Ascending Aortic Diameters due to Image Acquisition by Different Sonographers. Journal of the American Society of Echocardiography, 2020, 33, 249-252.e4.	2.8	0