

Willem A Helbing

List of Publications by Year in descending order

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Version: 2024-02-01

114
papers

6,382
citations

134610

34
h-index

78623

77
g-index

115
all docs

115
docs citations

115
times ranked

7262
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive Evaluation of Pediatric Patients with Ebstein Anomaly Requires Both Echocardiography and Cardiac Magnetic Resonance Imaging. <i>Pediatric Cardiology</i> , 2023, 44, 75-85.	0.6	2
2	Associations of maternal angiogenic factors during pregnancy with alterations in cardiac development in childhood at 10 years of age. <i>American Heart Journal</i> , 2022, 247, 100-111.	1.2	2
3	Associations between blood biomarkers, cardiac function and adverse outcome in a young tetralogy of Fallot cohort. <i>International Journal of Cardiology</i> , 2022, , .	0.8	3
4	Physical exercise training in patients with a Fontan circulation: A systematic review. <i>European Journal of Preventive Cardiology</i> , 2021, 28, 1269-1278.	0.8	40
5	Pericardial adipose tissue, cardiac structures, and cardiovascular risk factors in school-age children. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 307-313.	0.5	7
6	Ethnic differences in childhood right and left cardiac structure and function assessed by cardiac magnetic resonance imaging. <i>European Journal of Pediatrics</i> , 2021, 180, 1257-1266.	1.3	0
7	Predicting outcome in children with dilated cardiomyopathy: the use of repeated measurements of risk factors for outcome. <i>ESC Heart Failure</i> , 2021, 8, 1472-1481.	1.4	15
8	Psychological outcomes after pediatric hospitalization: the role of trauma type. <i>Children's Health Care</i> , 2021, 50, 278-292.	0.5	7
9	Patient information portal for congenital aortic and pulmonary valve disease: a stepped-wedge cluster randomised trial. <i>Open Heart</i> , 2021, 8, e001252.	0.9	0
10	Dobutamine stress testing for the evaluation of atrial and diastolic ventricular function in Fontan patients. <i>Open Heart</i> , 2021, 8, e001487.	0.9	4
11	Long-term effectiveness of eye movement desensitization and reprocessing in children and adolescents with medically related subthreshold post-traumatic stress disorder: a randomized controlled trial. <i>European Journal of Cardiovascular Nursing</i> , 2021, 20, 348-357.	0.4	1
12	Associations Between Blood Biomarkers, Cardiac Function, and Adverse Outcome in a Young Fontan Cohort. <i>Journal of the American Heart Association</i> , 2021, 10, e015022.	1.6	26
13	Hemodynamic interplay of vorticity, viscous energy loss, and kinetic energy from 4D Flow MRI and link to cardiac function in healthy subjects and Fontan patients. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1687-H1698.	1.5	6
14	P515 A 12-week tailored physical training program including dietary advice in children with Inflammatory Bowel Disease: a randomized crossover trial. <i>Journal of Crohn's and Colitis</i> , 2021, 15, S493-S494.	0.6	0
15	Segmental assessment of blood flow efficiency in the total cavopulmonary connection using four-dimensional flow magnetic resonance imaging: vortical flow is associated with increased viscous energy loss rate. <i>European Heart Journal Open</i> , 2021, 1, .	0.9	10
16	Seven-year clinical and mechanical follow-up of a Tetralogy of Fallot patient with severe pulmonary regurgitation. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, , .	0.5	0
17	Multicentre reference values for cardiac magnetic resonance imaging derived ventricular size and function for children aged 0-18 years. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 102-113.	0.5	48
18	Fetal and infant growth patterns and left and right ventricular measures in childhood assessed by cardiac MRI. <i>European Journal of Preventive Cardiology</i> , 2020, 27, 63-74.	0.8	11

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19	Outcome after surgical repair of tetralogy of Fallot: A systematic review and meta-analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 220-236.e8.	0.4	20
20	Does Repeated Measurement of a 6-Min Walk Test Contribute to Risk Prediction in Children with Dilated Cardiomyopathy?. <i>Pediatric Cardiology</i> , 2020, 41, 223-229.	0.6	0
21	Ventricular response to dobutamine stress cardiac magnetic resonance imaging is associated with adverse outcome during 8-year follow-up in patients with repaired Tetralogy of Fallot. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 1039-1046.	0.5	6
22	Long-term follow-up after transatrial transpulmonary repair of tetralogy of Fallot: influence of timing on outcome. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 57, 635-643.	0.6	13
23	The clinical impact of phase offset errors and different correction methods in cardiovascular magnetic resonance phase contrast imaging: a multi-scanner study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 68.	1.6	10
24	Atrial function in Fontan patients assessed by CMR: Relation with exercise capacity and long-term outcomes. <i>International Journal of Cardiology</i> , 2020, 312, 56-61.	0.8	11
25	EMDR for children with medically related subthreshold PTSD: short-term effects on PTSD, blood-injection-injury phobia, depression and sleep. <i>HÅrre Utbildning</i> , 2020, 11, 1705598.	1.4	15
26	Disproportionate intraventricular viscous energy loss in Fontan patients: analysis by 4D flow MRI. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 323-333.	0.5	29
27	Stress increases intracardiac 4D flow cardiovascular magnetic resonance -derived energetics and vorticity and relates to VO2max in Fontan patients. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 43.	1.6	18
28	P422Evaluation of semi-automated threshold-based CMR post-processing of ventricular size and function in a large healthy pediatric cohort. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, .	0.5	0
29	Relation of Fontan Baffle Stroke Volume to Fontan Failure and Lower Exercise Capacity in Patients With an Atriopulmonary Fontan. <i>American Journal of Cardiology</i> , 2019, 124, 151-157.	0.7	5
30	Staged total cavopulmonary connection: serial comparison of intra-atrial lateral tunnel and extracardiac conduit taking account of current surgical adaptations. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019, 29, 453-460.	0.5	7
31	Reference values for two-dimensional myocardial strain echocardiography of the left ventricle in healthy children. <i>Cardiology in the Young</i> , 2019, 29, 325-337.	0.4	18
32	P5280The impact of background phase offset errors in cardiovascular magnetic resonance phase contrast imaging: a multi-scanner study. <i>European Heart Journal</i> , 2019, 40, .	1.0	0
33	Current outcomes and treatment of tetralogy of Fallot. <i>F1000Research</i> , 2019, 8, 1530.	0.8	78
34	Four-dimensional flow magnetic resonance imaging-derived blood flow energetics of the inferior vena cava-to-extracardiac conduit junction in Fontan patients. <i>European Journal of Cardio-thoracic Surgery</i> , 2019, 55, 1202-1210.	0.6	15
35	Tetralogy of Fallot in the Current Era. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2019, 31, 496-504.	0.4	21
36	Right ventricular function in infants with bronchopulmonary dysplasia and pulmonary hypertension: a pilot study. <i>Pulmonary Circulation</i> , 2019, 9, 1-9.	0.8	13

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37	Ventricular Response to Dobutamine Stress CMR Is a Predictor for Outcome in Fontan Patients. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 368-370.	2.3	8
38	A compromised maternal vitamin D status is associated with congenital heart defects in offspring. <i>Early Human Development</i> , 2018, 117, 50-56.	0.8	26
39	Paediatric Ebstein's anomaly: how clinical presentation predicts mortality. <i>Archives of Disease in Childhood</i> , 2018, 103, 859-863.	1.0	8
40	Longitudinal Myocardial Deformation Does Not Predict Single Ventricle Ejection Fraction Assessed by Cardiac Magnetic Resonance Imaging in Children with a Total Cavopulmonary Connection. <i>Pediatric Cardiology</i> , 2018, 39, 283-293.	0.6	11
41	Patient and physician view on patient information and decision-making in congenital aortic and pulmonary valve surgery. <i>Open Heart</i> , 2018, 5, e000872.	0.9	10
42	The Ross Procedure: A Systematic Review, Meta-Analysis, and Microsimulation. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2018, 11, e004748.	0.9	66
43	Eye movement desensitization and reprocessing (EMDR) in children and adolescents with subthreshold PTSD after medically related trauma: design of a randomized controlled trial. <i>HÅrre Utbildning</i> , 2018, 9, 1536287.	1.4	8
44	Stress in the Single Ventricle. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e007991.	1.3	0
45	State of the art of the Fontan strategy for treatment of univentricular heart disease. <i>F1000Research</i> , 2018, 7, 935.	0.8	41
46	Genome-wide methylation analysis identifies novel CpG loci for perimembranous ventricular septal defects in human. <i>Epigenomics</i> , 2017, 9, 241-251.	1.0	10
47	Distribution of strain patterns in children with dilated cardiomyopathy. <i>Echocardiography</i> , 2017, 34, 881-887.	0.3	6
48	Six-Minute Walk Test as a Predictor for Outcome in Children with Dilated Cardiomyopathy and Chronic Stable Heart Failure. <i>Pediatric Cardiology</i> , 2017, 38, 465-471.	0.6	17
49	Tracking of structural and functional cardiac measures from infancy into school-age. <i>European Journal of Preventive Cardiology</i> , 2017, 24, 1408-1415.	0.8	12
50	Surgical outcome in pediatric patients with Ebstein's anomaly: A multicenter, long-term study. <i>Congenital Heart Disease</i> , 2017, 12, 32-39.	0.0	11
51	Medically Related Post-traumatic Stress in Children and Adolescents with Congenital Heart Defects. <i>Frontiers in Pediatrics</i> , 2017, 5, 20.	0.9	32
52	Knowledge-based reconstruction for measurement of right ventricular volumes on cardiovascular magnetic resonance images in a mixed population. <i>Congenital Heart Disease</i> , 2017, 12, 561-569.	0.0	1
53	Does functional health status predict health-related quality of life in children after Fontan operation?. <i>Cardiology in the Young</i> , 2016, 26, 459-468.	0.4	22
54	Usefulness of Serial N-terminal Pro-B-type Natriuretic Peptide Measurements to Predict Cardiac Death in Acute and Chronic Dilated Cardiomyopathy in Children. <i>American Journal of Cardiology</i> , 2016, 118, 1723-1729.	0.7	20

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55	Drug therapy in the prevention of failure of the Fontan circulation: a systematic review. <i>Cardiology in the Young</i> , 2016, 26, 842-850.	0.4	25
56	Maternal obesity, gestational weight gain and childhood cardiac outcomes: role of childhood body mass index. <i>International Journal of Obesity</i> , 2016, 40, 1070-1078.	1.6	28
57	Prospective Evaluation of Sleep Apnea as Manifestation of Heart Failure in Children. <i>Pediatric Cardiology</i> , 2016, 37, 248-254.	0.6	8
58	Long-Term Serial Follow-Up of Pulmonary Artery Size and Wall Shear Stress in Fontan Patients. <i>Pediatric Cardiology</i> , 2016, 37, 637-645.	0.6	17
59	Response profiles of oxygen uptake efficiency during exercise in healthy children. <i>European Journal of Preventive Cardiology</i> , 2016, 23, 865-873.	0.8	23
60	Quantification of myocardial deformation in children by cardiovascular magnetic resonance feature tracking: determination of reference values for left ventricular strain and strain rate. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 8.	1.6	29
61	Ventricular myocardial deformation in adults after early surgical repair of atrial septal defect. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 549-557.	0.5	19
62	Assessment of ventricular function in adults with repaired Tetralogy of Fallot using myocardial deformation imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, jev090.	0.5	46
63	Indications for cardiovascular magnetic resonance in children with congenital and acquired heart disease: an expert consensus paper of the Imaging Working Group of the AEPC and the Cardiovascular Magnetic Resonance Section of the EACVI. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 281-297.	0.5	122
64	Paediatric subvalvular aortic stenosis: a systematic review and meta-analysis of natural history and surgical outcome. <i>European Journal of Cardio-thoracic Surgery</i> , 2015, 48, 212-220.	0.6	21
65	Cardiac magnetic resonance imaging in children. <i>Pediatric Radiology</i> , 2015, 45, 20-26.	1.1	9
66	Comprehensive rhythm evaluation in a large contemporary Fontan population. <i>European Journal of Cardio-thoracic Surgery</i> , 2015, 48, 833-841.	0.6	30
67	Management of children with dilated cardiomyopathy in The Netherlands: Implications of a low early transplantation rate. <i>Journal of Heart and Lung Transplantation</i> , 2015, 34, 963-969.	0.3	45
68	Ventricular function and cardiac reserve in contemporary Fontan patients. <i>International Journal of Cardiology</i> , 2015, 196, 73-80.	0.8	32
69	Reply to Mizuno and Niwa. <i>European Journal of Cardio-thoracic Surgery</i> , 2015, 47, 1112-1113.	0.6	1
70	Regional Ventricular Performance and Exercise Training in Children and Young Adults After Repair of Tetralogy of Fallot. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, .	1.3	25
71	Long-term outcomes of transatrial transpulmonary repair of tetralogy of Fallot. <i>European Journal of Cardio-thoracic Surgery</i> , 2015, 47, 527-534.	0.6	56
72	The effect of exercise training on cardiac remodelling in children and young adults with corrected tetralogy of Fallot or Fontan circulation: A randomized controlled trial. <i>International Journal of Cardiology</i> , 2015, 179, 97-104.	0.8	42

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73	Cardiovascular diseases in grandparents and the risk of congenital heart diseases in grandchildren. <i>Journal of Developmental Origins of Health and Disease</i> , 2014, 5, 152-158.	0.7	2
74	Ventricular response to dobutamine stress relates to the change in peak oxygen uptake during the 5-year follow-up in young patients with repaired tetralogy of Fallot. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 189-194.	0.5	17
75	Computational fluid dynamics in Fontan patients to evaluate power loss during simulated exercise. <i>Heart</i> , 2014, 100, 696-701.	1.2	30
76	Unnatural History of Tetralogy of Fallot. <i>Circulation</i> , 2014, 130, 1944-1953.	1.6	187
77	Vocational challenges in congenital heart disease. <i>Netherlands Heart Journal</i> , 2014, 22, 214-215.	0.3	1
78	Exercise capacity in children after total cavopulmonary connection: Lateral tunnel versus extracardiac conduit technique. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 1490-1497.	0.4	39
79	Aerobic Exercise Influences Quality of Life of Children and Youngsters With Congenital Heart Disease: A Randomized Controlled Trial. <i>Journal of Adolescent Health</i> , 2014, 55, 65-72.	1.2	64
80	Long-term Outcome and Quality of Life after Arterial Switch Operation: A Prospective Study with a Historical Comparison. <i>Congenital Heart Disease</i> , 2013, 8, 203-210.	0.0	37
81	Abnormal right atrial and right ventricular diastolic function relate to impaired clinical condition in patients operated for tetralogy of Fallot. <i>International Journal of Cardiology</i> , 2013, 167, 833-839.	0.8	54
82	5-year serial follow-up of clinical condition and ventricular function in patients after repair of tetralogy of Fallot. <i>International Journal of Cardiology</i> , 2013, 169, 439-444.	0.8	26
83	Enlarged right ventricular size at 11 yearsâ€™ follow-up after closure of secundum-type atrial septal defect in children. <i>Cardiology in the Young</i> , 2013, 23, 7-13.	0.4	11
84	Normal values for cardiopulmonary exercise testing in children. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2011, 18, 48-54.	3.1	75
85	Test-Retest Variability of Volumetric Right Ventricular Measurements Using Real-Time Three-Dimensional Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2011, 24, 671-679.	1.2	34
86	Birth Prevalence of Congenital Heart Disease Worldwide. <i>Journal of the American College of Cardiology</i> , 2011, 58, 2241-2247.	1.2	2,400
87	Safety and observer variability of cardiac magnetic resonance imaging combined with low-dose dobutamine stress-testing in patients with complex congenital heart disease. <i>International Journal of Cardiology</i> , 2011, 147, 214-218.	0.8	13
88	Right ventricular quantification in clinical practice: two-dimensional vs. three-dimensional echocardiography compared with cardiac magnetic resonance imaging. <i>European Journal of Echocardiography</i> , 2011, 12, 656-664.	2.3	137
89	Intra-observer and interobserver variability of biventricular function, volumes and mass in patients with congenital heart disease measured by CMR imaging. <i>International Journal of Cardiovascular Imaging</i> , 2010, 26, 57-64.	0.7	100
90	Tetralogy of Fallot â€” Does MR imaging have the answers?. <i>Progress in Pediatric Cardiology</i> , 2010, 28, 29-34.	0.2	1

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91	Accuracy of Knowledge-Based Reconstruction for Measurement of Right Ventricular Volume and Function in Patients With Tetralogy of Fallot. <i>American Journal of Cardiology</i> , 2010, 105, 993-999.	0.7	43
92	Usefulness of Real-Time Three-Dimensional Echocardiography to Identify Right Ventricular Dysfunction in Patients With Congenital Heart Disease. <i>American Journal of Cardiology</i> , 2010, 106, 843-850.	0.7	41
93	Results of staged total cavopulmonary connection for functionally univentricular hearts; comparison of intra-atrial lateral tunnel and extracardiac conduit. <i>European Journal of Cardio-thoracic Surgery</i> , 2010, 37, 934-941.	0.6	63
94	Clinical Value of Real-Time Three-Dimensional Echocardiography for Right Ventricular Quantification in Congenital Heart Disease: Validation With Cardiac Magnetic Resonance Imaging. <i>Journal of the American Society of Echocardiography</i> , 2010, 23, 134-140.	1.2	130
95	Cardiac stress testing after surgery for congenital heart disease. <i>Current Opinion in Pediatrics</i> , 2010, 22, 579-586.	1.0	8
96	Stress imaging in congenital cardiac disease. <i>Cardiology in the Young</i> , 2009, 19, 552-562.	0.4	21
97	Clinical outcome 5 to 18 years after the Fontan operation performed on children younger than 5 years. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009, 138, 89-95.	0.4	34
98	Normal biventricular function, volumes, and mass in children aged 8 to 17 years. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 29, 552-559.	1.9	103
99	Assessment of biventricular functional reserve and NT-proBNP levels in patients with RV volume overload after repair of tetralogy of Fallot at young age. <i>International Journal of Cardiology</i> , 2009, 133, 364-370.	0.8	33
100	Follow-up outcomes 10 years after arterial switch operation for transposition of the great arteries: comparison of cardiological health status and health-related quality of life to those of the a normal reference population. <i>European Journal of Pediatrics</i> , 2008, 167, 995-1004.	1.3	39
101	Evaluating the systemic right ventricle by CMR: the importance of consistent and reproducible delineation of the cavity. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2008, 10, 40.	1.6	156
102	Pulmonary artery size and function after Fontan operation at a young age. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 1101-1107.	1.9	23
103	Long-term intellectual functioning and school-related behavioural outcomes in children and adolescents after invasive treatment for congenital heart disease. <i>British Journal of Developmental Psychology</i> , 2008, 26, 457-470.	0.9	18
104	Usefulness of Cardiac Magnetic Resonance Imaging Combined With Low-Dose Dobutamine Stress to Detect an Abnormal Ventricular Stress Response in Children and Young Adults After Fontan Operation at Young Age. <i>American Journal of Cardiology</i> , 2008, 101, 1657-1662.	0.7	52
105	Diastolic Function in Repaired Tetralogy of Fallot at Rest and during Stress: Assessment with MR Imaging. <i>Radiology</i> , 2007, 243, 212-219.	3.6	81
106	Clinical condition at mid-to-late follow-up after transatrial transpulmonary repair of tetralogy of Fallot. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007, 133, 470-477.	0.4	52
107	Recommendations from the Association for European Paediatric Cardiology for training in congenital cardiovascular magnetic resonance imaging. <i>Cardiology in the Young</i> , 2006, 16, 410.	0.4	16
108	Exercise MR Imaging in the Assessment of Pulmonary Regurgitation and Biventricular Function in Patients after Tetralogy of Fallot Repair. <i>Radiology</i> , 2002, 223, 204-211.	3.6	129

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109	Biventricular response to supine physical exercise in young adults assessed with ultrafast magnetic resonance imaging. <i>American Journal of Cardiology</i> , 2001, 87, 601-605.	0.7	74
110	Prolonged cardiac recovery from exercise in asymptomatic adults late after atrial correction of transposition of the great arteries: evaluation with magnetic resonance flow mapping. <i>American Journal of Cardiology</i> , 2001, 88, 1011-1017.	0.7	20
111	Right Ventricular Diastolic Function in Children With Pulmonary Regurgitation After Repair of Tetralogy of Fallot: Volumetric Evaluation by Magnetic Resonance Velocity Mapping. <i>Journal of the American College of Cardiology</i> , 1996, 28, 1827-1835.	1.2	231
112	Quantification of pulmonary and systemic blood flow by magnetic resonance velocity mapping in the assessment of atrial-level shunts. <i>International Journal of Cardiovascular Imaging</i> , 1996, 12, 143-152.	0.2	16
113	Comparison of echocardiographic methods with magnetic resonance imaging for assessment of right ventricular function in children. <i>American Journal of Cardiology</i> , 1995, 76, 589-594.	0.7	250
114	Quantification of right ventricular function with magnetic resonance imaging in children with normal hearts and with congenital heart disease. <i>American Heart Journal</i> , 1995, 130, 828-837.	1.2	173