Hermann KÃ¶rperich

List of Publications by Year
in descending order

48	1,638	331670 21	289244 40
papers	citations	h-index	g-index

51	51	51	1599
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Noninvasive Quantification of Left-to-Right Shunt in Pediatric Patients. Circulation, 2001, 103, 2476-2482.	1.6	284
2	Operator-Independent Isotropic Three-Dimensional Magnetic Resonance Imaging for Morphology in Congenital Heart Disease. Circulation, 2004, 110, 163-169.	1.6	167
3	Sex-Specific Pediatric Percentiles for Ventricular Size and Mass as Reference Values for Cardiac MRI. Circulation: Cardiovascular Imaging, 2010, 3, 65-76.	2.6	151
4	Autologous stem cell therapy in the treatment of limb ischaemia induced chronic tissue ulcers of diabetic foot patients. International Journal of Clinical Practice, 2012, 66, 384-393.	1.7	128
5	Flow Volume and Shunt Quantification in Pediatric Congenital Heart Disease by Real-Time Magnetic Resonance Velocity Mapping. Circulation, 2004, 109, 1987-1993.	1.6	99
6	Rapid Left-to-Right Shunt Quantification in Children by Phase-Contrast Magnetic Resonance Imaging Combined With Sensitivity Encoding (SENSE). Circulation, 2003, 108, 1355-1361.	1.6	94
7	Impact of Gender and Age on Cardiovascular Function Late After Repair of Tetralogy of Fallot. Circulation: Cardiovascular Imaging, 2011, 4, 703-711.	2.6	59
8	Atrial Septal Defects in Pediatric Patients: Noninvasive Sizing with Cardiovascular MR Imaging. Radiology, 2003, 228, 361-369.	7.3	52
9	Coronary anomalies assessed by wholeâ€heart isotropic 3D magnetic resonance imaging for cardiac morphology in congenital heart disease. Journal of Magnetic Resonance Imaging, 2009, 29, 320-327.	3.4	50
10	Wound therapy with autologous bone marrow stem cells in diabetic patients with ischaemia-induced tissue ulcers affecting the lower limbs. International Journal of Clinical Practice, 2007, 61, 690-694.	1.7	43
11	Reference values for atrial size and function in children and young adults by cardiac MR: A study of the german competence network congenital heart defects. Journal of Magnetic Resonance Imaging, 2011, 33, 1028-1039.	3.4	43
12	Blood Flow Quantification in Adults by Phase-Contrast MRI Combined with Sense - A Validation Study. Journal of Cardiovascular Magnetic Resonance, 2005, 7, 361-369.	3.3	38
13	Three-dimensional, isotropic MRI: a unified approach to quantification and visualization in congenital heart disease. International Journal of Cardiovascular Imaging, 2005, 21, 283-292.	1.5	37
14	Left ventricular volumetry in healthy children and adolescents: comparison of two different real-time three-dimensional matrix transducers with cardiovascular magnetic resonance. European Journal of Echocardiography, 2010, 11, 138-148.	2.3	37
15	Is Torsion a Suitable Echocardiographic Parameter to Detect Acute Changes in Left Ventricular Afterload in Children?. Journal of the American Society of Echocardiography, 2009, 22, 1121-1128.	2.8	34
16	Knowledge-Based Reconstruction of Right Ventricular Volumes Using Real-time Three-dimensional Echocardiographic as Well as Cardiac Magnetic Resonance Images: Comparison With a Cardiac Magnetic Resonance Standard. Journal of the American Society of Echocardiography, 2014, 27, 1087-1097.	2.8	28
17	Impact of respiration on stroke volumes in paediatric controls and in patients after Fontan procedure assessed by MR real-time phase-velocity mapping. European Heart Journal Cardiovascular Imaging, 2015, 16, 198-209.	1.2	28
18	Cardiovascular Magnetic Resonance Imaging for Intensive Care Infants: Safe and Effective?. Pediatric Cardiology, 2009, 30, 146-152.	1.3	25

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19	18F-FDG PET/CT-imaging of left ventricular assist device infection: a retrospective quantitative intrapatient analysis. Journal of Nuclear Cardiology, 2019, 26, 1212-1221.	2.1	25
20	Validation and Reference Values for Three-Dimensional Echocardiographic RightÂVentricular Volumetry in Children: AÂMulticenter Study. Journal of the American Society of Echocardiography, 2018, 31, 1050-1063.	2.8	24
21	Atypical atrial septal defects in children: noninvasive evaluation by cardiac MRI. Pediatric Radiology, 2008, 38, 1188-1194.	2.0	21
22	MRI and MRS studies on the time course of rat brain lesions and the effect of drug treatment: Volume quantification and characterization of tissue heterogeneity by parameter selection. Magnetic Resonance in Medicine, 1993, 30, 174-182.	3.0	20
23	Ultrafast Time-Resolved Contrast-Enhanced 3D Pulmonary Venous Cardiovascular Magnetic Resonance Angiography Using SENSE Combined with CENTRA-Keyhole. Journal of Cardiovascular Magnetic Resonance, 2007, 9, 77-87.	3.3	19
24	Calculation of Pediatric Left Ventricular Mass: Validation and Reference Values Using Real-Time Three-Dimensional Echocardiography. Journal of the American Society of Echocardiography, 2015, 28, 275-283.	2.8	14
25	Left Atrial Volumes and Phasic Function in Healthy Children: Reference Values Using Real-Time Three-Dimensional Echocardiography. Journal of the American Society of Echocardiography, 2019, 32, 1036-1045.e9.	2.8	13
26	Left-Ventricular Reference Myocardial Strain Assessed by Cardiovascular Magnetic Resonance Feature Tracking and fSENCâ€"Impact of Temporal Resolution and Cardiac Muscle Mass. Frontiers in Cardiovascular Medicine, 2021, 8, 764496.	2.4	13
27	Noninvasive Coronary Angiography Focusing on Calcification. Journal of Computer Assisted Tomography, 2009, 33, 179-185.	0.9	11
28	The Desmin Mutation DES-c.735G>C Causes Severe Restrictive Cardiomyopathy by Inducing In-Frame Skipping of Exon-3. Biomedicines, 2021, 9, 1400.	3.2	11
29	Find Me If You Can: First Clinical Experience Using the Novel CARTOFINDER Algorithm in a Routine Workflow for Atrial Fibrillation Ablation. Journal of Clinical Medicine, 2021, 10, 2979.	2.4	10
30	Left Ventricular Non-Compaction Cardiomyopathy-Still More Questions than Answers. Journal of Clinical Medicine, 2022, 11, 4135.	2.4	10
31	Evaluation of left ventricular torsion in children with hypertrophic cardiomyopathy. Cardiology in the Young, 2014, 24, 245-252.	0.8	9
32	Differentiation of Impaired From Preserved Hemodynamics in Patients With Fontan Circulation Using Real-time Phase-velocity Cardiovascular Magnetic Resonance. Journal of Thoracic Imaging, 2017, 32, 159-168.	1.5	9
33	Left ventricular rotation and rightâ€"left ventricular interaction in congenital heart disease: the acute effects of interventional closure of patent arterial ducts and atrial septal defects. Cardiology in the Young, 2014, 24, 661-674.	0.8	8
34	Centile Curves for Velocity-Time Integral Times Heart Rate as a Function of Ventricular Length: TheÂUse of Minute Distance Is Advantageous toÂEnhance Clinical Reliability in Children. Journal of the American Society of Echocardiography, 2018, 31, 105-112.e2.	2.8	6
35	Magnetic-Resonance-Imaging-Based Left Atrial Strain and Left Atrial Strain Rate as Diagnostic Parameters in Cardiac Amyloidosis. Journal of Clinical Medicine, 2022, 11, 3150.	2.4	6
36	Model versus non-model based left ventricular volumetry - A matter of imaging modality or quantification software?. Journal of Biomedical Graphics and Computing, 2013, 3, .	0.2	3

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37	Impact of different respiratory monitoring techniques on respiration-dependent stroke-volume measurements assessed by real-time magnetic resonance imaging. Zeitschrift Fur Medizinische Physik, 2019, 29, 349-358.	1.5	3
38	Multi-parametric analyses to investigate dependencies of normal left atrial strain by cardiovascular magnetic resonance feature tracking. Scientific Reports, 2022, 12, .	3.3	3
39	Percentiles for left ventricular rotation: comparison of reference values to paediatric patients with pacemaker-induced dyssynchrony. European Heart Journal Cardiovascular Imaging, 2014, 15, 1101-1107.	1.2	2
40	Evaluation strategies for determination of left ventricular indices: Pros and Cons of model vs. non-model based quantification software. IFMBE Proceedings, 2009, , 603-606.	0.3	1
41	Left ventricular mass estimation by real-time 3D echocardiography favourably competes with CMR in congenital left ventricular disease. Scientific Reports, 2019, 9, 11888.	3.3	0
42	Are peak velocities determined by 2D phase-contrast MRI comparable to those assessed by real-time phase-contrast MRI and pulse wave echocardiography?. Thoracic and Cardiovascular Surgeon, 2014, 62, .	1.0	0
43	4D-RV-Function 2â€"A Promising for Three Dimensional Echocardiographic Datasets in Children and Young Adults?. Thoracic and Cardiovascular Surgeon, 2015, 63, .	1.0	0
44	Can Normalization to Organ Size and Heart Rate Increase Clinical Utility in the Interpretation of Aortic and Pulmonary Velocity Time Integral in Children?. Thoracic and Cardiovascular Surgeon, 2015, 63, .	1.0	0
45	Cardiac MRI in Patients with Anorexia Nervosaâ€"Evaluation of Hemodynamic Status. Thoracic and Cardiovascular Surgeon, 2015, 63, .	1.0	0
46	Classification of Fontan Hemodynamics by Respiration Using Real-Time Phase-Contrast Magnetic Resonance. Thoracic and Cardiovascular Surgeon, 2016, 64, .	1.0	0
47	Comprehensive Quantification of the Right Ventricle: Pediatric Reference Values from 0 to 18 Years. Thoracic and Cardiovascular Surgeon, 2016, 64, .	1.0	0
48	Multimodality Assessment of Left Ventricular Mass in Patients with Congenital Heart Disease: What Are the Differences?. Thoracic and Cardiovascular Surgeon, 2017, 65, S111-S142.	1.0	0