

A list of publications using Segment software solutions

2021

1. [Cardiac hypoxic resistance and decreasing lactate during maximum apnea in elite breath hold divers](#)
T Kjeld, J Møller, K Fogh, EG Hansen, HC Arendrup... - Scientific Reports, 2021 - nature.com
2. [Characterization of anisotropic turbulence behavior in pulsatile blood flow](#)
M Andersson, M Karlsson - Biomechanics and Modeling in ..., 2021 - Springer
3. [Sacubitril/valsartan ameliorates cardiac hypertrophy and preserves diastolic function in cardiac pressure overload](#)
ES Nordén, BA Bendiksen, H Andresen... - ESC heart ..., 2021 - Wiley Online Library
4. [Cardiac magnetic resonance imaging: insights into developmental programming and its consequences for aging](#)
GD Clarke, J Li, AH Kuo, AJ Moody... - ... origins of health and ..., 2021 - cambridge.org
5. [MRI-based in vivo detection of coronary microvascular dysfunction before alterations in cardiac function induced by short-term high-fat diet in mice](#)
G Kwiatkowski, A Bar, A Jaształ, S Chłopicki - Scientific Reports, 2021 - nature.com
6. [Importance of complex blood flow in the assessment of aortic regurgitation severity using phase contrast magnetic resonance imaging](#)
F Truedsson, CL Polte, SA Gao, ÅA Johnsson... - Int J Cardiovasc Imaging , 2021 - Springer
7. [Fully self-gated whole-heart 4D flow imaging from a 5-minute scan](#)
A Pruitt, A Rich, Y Liu, N Jin, L Potter... - Magnetic ..., 2021 - Wiley Online Library
8. [Fully self-gated free-running 3D Cartesian cardiac CINE with isotropic whole-heart coverage in less than 2 min](#)
T Küstner, A Bustin, O Jaubert... - NMR in ..., 2021 - Wiley Online Library
9. [Comparison of cine and real-time cardiac MRI in rhesus macaques](#)
A Moussavi, S Mißbach, CS Ferrel, H Ghasemipour... - Scientific reports, 2021 - nature.com
10. [Expedient assessment of post-infarct remodeling by native cardiac magnetic resonance imaging in mice](#)
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11. [An anterior anastomosis for the modified fontan connection: a hemodynamic analysis](#)
ZA Wei, K Ratnayaka, B Si, S Singh-Gryzbon... - Seminars in Thoracic ..., 2021 - Elsevier

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D Verouhis, P Sörensson, A Gourine... - Catheterization and ..., 2021 - Wiley Online Library
13. [Stent interventions for pulmonary artery stenosis improve bi-ventricular flow efficiency in a swine model](#)
RJ Pewowaruk, GP Barton... - Journal of ..., 2021 - jcmr-online.biomedcentral.com
14. [Electro-Mechanical Whole-Heart Digital Twins: A Fully Coupled Multi-Physics Approach](#)
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15. [Reliability and reproducibility of cardiac MRI quantification of peak exercise function with long-axis views](#)
AA Kirkham, MV Goonasekera, BC Mattiello... - Plos one, 2021 - journals.plos.org
16. [Remodeling after myocardial infarction and effects of heart failure treatment investigated by hyperpolarized \[1-13C\]pyruvate magnetic resonance spectroscopy](#)
RS Tougaard, C Laustsen, TR Lassen... - Magnetic ..., 2021 - Wiley Online Library
17. [Electromechanical modeling of human ventricles with ischemic cardiomyopathy: numerical simulations in sinus rhythm and under arrhythmia](#)
M Salvador, M Fedele, PC Africa, E Sung... - Computers in Biology ..., 2021 - Elsevier
18. [Redox ratio in the left ventricle of the growth restricted fetus is positively correlated with cardiac output](#)
CG Dimasi, J Lazniewska, SE Plush... - Journal of ..., 2021 - Wiley Online Library
19. [The Role of Regional Myocardial Topography Post-Myocardial Infarction on Infarct Extension](#)
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20. [Effects of Uncertainty of Outlet Boundary Conditions in a Patient-Specific Case of Aortic Coarctation](#)
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25. [Automated left atrial time-resolved segmentation in MRI long-axis cine images using active contours](#)
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26. [Measuring Aqueduct of Sylvius Cerebrospinal Fluid Flow in Multiple Sclerosis Using Different Software](#)
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27. [TVnet: Automated Time-Resolved Tracking of the Tricuspid Valve Plane in MRI Long-Axis Cine Images with a Dual-Stage Deep Learning Pipeline](#)
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45. [Atrioventricular plane displacement versus mitral and tricuspid annular plane systolic excursion: A comparison between cardiac magnetic resonance and M-mode ...](#)
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47. [Biventricular Strain Imaging with Cardiac MRI in Genotyped and Histology Validated Amyloid Cardiomyopathy](#)
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48. [Morphological Analysis of the Right Ventricular Endocardial Wall in Pulmonary Hypertension](#)
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4. [Cardiomyocyte transplantation after myocardial infarction alters the immune response in the heart](#)
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6. [Non-Newtonian effects on patient-specific modeling of Fontan hemodynamics](#)
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9. [Assessment of cerebral blood flow pulsatility and cerebral arterial compliance with 4D flow MRI](#)
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23. [Impact of aortoseptal angle abnormalities and discrete subaortic stenosis on left-ventricular outflow tract hemodynamics: preliminary computational ...](#)
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24. [Sector-wise golden-angle phase contrast with high temporal resolution for evaluation of left ventricular diastolic dysfunction](#)
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25. [\[68Ga\]-NODAGA-RGD Positron Emission Tomography \(PET\) for Assessment of Post Myocardial Infarction Angiogenesis as a Predictor for Left Ventricular ...](#)
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