

Mikael Kanski

List of Publications by Year in descending order

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papers

736
citations

516561

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docs citations

26
times ranked

1234
citing authors

#	ARTICLE	IF	CITATIONS
1	Vortex Ring Formation in the Left Ventricle of the Heart: Analysis by 4D Flow MRI and Lagrangian Coherent Structures. <i>Annals of Biomedical Engineering</i> , 2012, 40, 2652-2662.	1.3	114
2	Quantification and visualization of cardiovascular 4D velocity mapping accelerated with parallel imaging or k-t BLAST: head to head comparison and validation at 1.5 T and 3 T. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011, 13, 55.	1.6	91
3	Left ventricular fluid kinetic energy time curves in heart failure from cardiovascular magnetic resonance 4D flow data. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 111.	1.6	76
4	Contrast-Enhanced CMR Overestimates Early Myocardial Infarct Size. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 1379-1389.	2.3	55
5	Whole-heart four-dimensional flow can be acquired with preserved quality without respiratory gating, facilitating clinical use: a head-to-head comparison. <i>BMC Medical Imaging</i> , 2015, 15, 20.	1.4	42
6	Validation and reproducibility of cardiovascular 4D-flow MRI from two vendors using 2 \times parallel imaging acceleration in pulsatile flow phantom and in vivo with and without respiratory gating. <i>Acta Radiologica</i> , 2019, 60, 327-337.	0.5	41
7	Treatment with the C5a receptor antagonist ADC-1004 reduces myocardial infarction in a porcine ischemia-reperfusion model. <i>BMC Cardiovascular Disorders</i> , 2010, 10, 45.	0.7	39
8	Optimal timing of hypothermia in relation to myocardial reperfusion. <i>Basic Research in Cardiology</i> , 2011, 106, 697-708.	2.5	36
9	Pulmonary blood volume indexed to lung volume is reduced in newly diagnosed systemic sclerosis compared to normals – a prospective clinical cardiovascular magnetic resonance study addressing pulmonary vascular changes. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, 86.	1.6	27
10	Pulmonary Blood Volume Variation Decreases after Myocardial Infarction in Pigs: A Quantitative and Noninvasive MR Imaging Measure of Heart Failure. <i>Radiology</i> , 2010, 256, 415-423.	3.6	26
11	Decreased global myocardial perfusion at adenosine stress as a potential new biomarker for microvascular disease in systemic sclerosis: a magnetic resonance study. <i>BMC Cardiovascular Disorders</i> , 2018, 18, 16.	0.7	26
12	Hemodynamic forces in the left and right ventricles of the human heart using 4D flow magnetic resonance imaging: Phantom validation, reproducibility, sensitivity to respiratory gating and free analysis software. <i>PLoS ONE</i> , 2018, 13, e0195597.	1.1	24
13	Apyrase treatment of myocardial infarction according to a clinically applicable protocol fails to reduce myocardial injury in a porcine model. <i>BMC Cardiovascular Disorders</i> , 2010, 10, 1.	0.7	23
14	Experimental validation of contrast-enhanced SSFP cine CMR for quantification of myocardium at risk in acute myocardial infarction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 12.	1.6	22
15	Importance of standardizing timing of hematocrit measurement when using cardiovascular magnetic resonance to calculate myocardial extracellular volume (ECV) based on pre- and post-contrast T1 mapping. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 46.	1.6	22
16	Infarct quantification using 3D inversion recovery and 2D phase sensitive inversion recovery; validation in patients and ex vivo. <i>BMC Cardiovascular Disorders</i> , 2013, 13, 110.	0.7	16
17	Myocardium at risk can be determined by ex vivo T2-weighted magnetic resonance imaging even in the presence of gadolinium: comparison to myocardial perfusion single photon emission computed tomography. <i>European Heart Journal Cardiovascular Imaging</i> , 2013, 14, 261-268.	0.5	15
18	Vortex ring mixing as a measure of diastolic function of the human heart: Phantom validation and initial observations in healthy volunteers and patients with heart failure. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 1386-1397.	1.9	15

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19	ST-segment dynamics during reperfusion period and the size of myocardial injury in experimental myocardial infarction. <i>Journal of Electrocardiology</i> , 2011, 44, 74-81.	0.4	9
20	Pulmonary blood volume measured by cardiovascular magnetic resonance: influence of pulmonary transit time methods and left atrial volume. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 123.	1.6	6
21	Measuring extracellular volume fraction by MRI: First verification of values given by clinical sequences. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 662-672.	1.9	5
22	Increased pulmonary blood volume variation in patients with heart failure compared to healthy controls: a noninvasive, quantitative measure of heart failure. <i>Journal of Applied Physiology</i> , 2020, 128, 324-337.	1.2	4
23	The pulmonary blood volume variation is higher in patients with heart failure compared to healthy controls. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, P288.	1.6	1
24	Heart filling exceeds emptying during late ventricular systole in patients with systolic heart failure and healthy subjects – a cardiac MRI study. <i>Clinical Physiology and Functional Imaging</i> , 2019, 39, 192-200.	0.5	1
25	The Authors Reply. <i>JACC: Cardiovascular Imaging</i> , 2016, 9, 1016-1017.	2.3	0
26	Regional contributions to left ventricular stroke volume determined by cardiac magnetic resonance imaging in cardiac resynchronization therapy. <i>BMC Cardiovascular Disorders</i> , 2021, 21, 519.	0.7	0