

Sebastian Bidhult

List of Publications by Year in descending order

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14
papers

302
citations

933447

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1058476

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docs citations

15
times ranked

492
citing authors

#	ARTICLE	IF	CITATIONS
1	Free-breathing fetal cardiac MRI with doppler ultrasound gating, compressed sensing, and motion compensation. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 260-272.	3.4	25
2	Measuring extracellular volume fraction by MRI: First verification of values given by clinical sequences. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 662-672.	3.0	5
3	Validation and reproducibility of cardiovascular 4D-flow MRI from two vendors using 2 parallel imaging acceleration in pulsatile flow phantom and in vivo with and without respiratory gating. <i>Acta Radiologica</i> , 2019, 60, 327-337.	1.1	41
4	A new vessel segmentation algorithm for robust blood flow quantification from two-dimensional phase-contrast magnetic resonance images. <i>Clinical Physiology and Functional Imaging</i> , 2019, 39, 327-338.	1.2	15
5	Fetal iGRASP cine CMR assisting in prenatal diagnosis of complicated cardiac malformation with impact on delivery planning. <i>Clinical Physiology and Functional Imaging</i> , 2019, 39, 231-235.	1.2	9
6	Quantification of blood flow in the fetus with cardiovascular magnetic resonance imaging using Doppler ultrasound gating: validation against metric optimized gating. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 74.	3.3	19
7	Independent validation of metric optimized gating for fetal cardiovascular phase-contrast flow imaging. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 495-503.	3.0	11
8	Disturbed left and right ventricular kinetic energy in patients with repaired tetralogy of Fallot: pathophysiological insights using 4D-flow MRI. <i>European Radiology</i> , 2018, 28, 4066-4076.	4.5	45
9	Simulation-based quantification of native T1 and T2 of the myocardium using a modified MOLLI scheme and the importance of Magnetization Transfer. <i>Magnetic Resonance Imaging</i> , 2018, 48, 96-106.	1.8	12
10	Self-gated fetal cardiac MRI with tiny golden angle iGRASP: A feasibility study. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 207-217.	3.4	45
11	Validation of T1 and T2 algorithms for quantitative MRI: performance by a vendor-independent software. <i>BMC Medical Imaging</i> , 2016, 16, 46.	2.7	12
12	Validation of a new t_2^* algorithm and its uncertainty value for cardiac and liver iron load determination from MRI magnitude images. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1717-1729.	3.0	9
13	Independent validation of four-dimensional flow MR velocities and vortex ring volume using particle imaging velocimetry and planar laser-induced fluorescence. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1064-1075.	3.0	35
14	Parallel simulations for QUAntifying RELaxation magnetic resonance constants (SQUAREMR): an example towards accurate MOLLI T1 measurements. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 104.	3.3	19