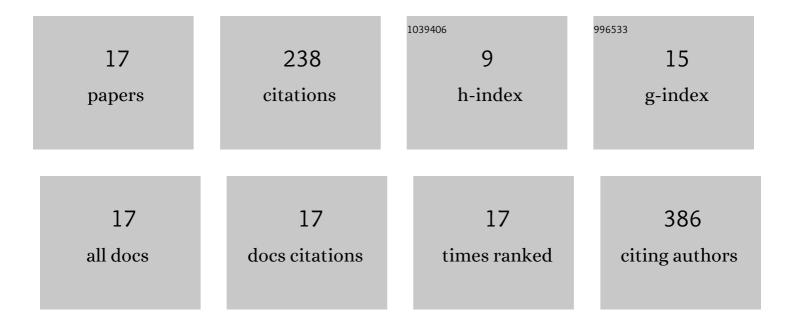
Michael W Loecher

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Reproducibility of global and segmental myocardial strain using cine DENSE at 3ÂT: a multicenter cardiovascular magnetic resonance study in healthy subjects and patients withÂheart disease. Journal of Cardiovascular Magnetic Resonance, 2022, 24, 23.	1.6	13
2	Virtual injections using 4D flow MRI with displacement corrections and constrained probabilistic streamlines. Magnetic Resonance in Medicine, 2022, 87, 2495-2511.	1.9	2
3	CG‧ENSE revisited: Results from the first ISMRM reproducibility challenge. Magnetic Resonance in Medicine, 2021, 85, 1821-1839.	1.9	22
4	Estimating cardiomyofiber strain in vivo by solving a computational model. Medical Image Analysis, 2021, 68, 101932.	7.0	11
5	Arbitrary Point Tracking with Machine Learning to Measure Cardiac Strains in Tagged MRI. Lecture Notes in Computer Science, 2021, 12738, 213-222.	1.0	5
6	On the impact of vessel wall stiffness on quantitative flow dynamics in a synthetic model of the thoracic aorta. Scientific Reports, 2021, 11, 6703.	1.6	10
7	Using synthetic data generation to train a cardiac motion tag tracking neural network. Medical Image Analysis, 2021, 74, 102223.	7.0	16
8	Estimating Aggregate Cardiomyocyte Strain Using \$In~Vivo\$ Diffusion and Displacement Encoded MRI. IEEE Transactions on Medical Imaging, 2020, 39, 656-667.	5.4	14
9	A gradient optimization toolbox for general purpose timeâ€optimal MRI gradient waveform design. Magnetic Resonance in Medicine, 2020, 84, 3234-3245.	1.9	5
10	Optimization methods for magnetic resonance imaging gradient waveform design. NMR in Biomedicine, 2020, 33, e4308.	1.6	10
11	High-Resolution Ex Vivo Microstructural MRI After Restoring Ventricular Geometry via 3D Printing. Lecture Notes in Computer Science, 2019, 11504, 177-186.	1.0	8
12	Timeâ€optimized 4D phase contrast MRI with realâ€ŧime convex optimization of gradient waveforms and fast excitation methods. Magnetic Resonance in Medicine, 2019, 82, 213-224.	1.9	10
13	Velocity reconstruction with nonconvex optimization for lowâ€velocityâ€encoding phaseâ€contrast <scp>MRI</scp> . Magnetic Resonance in Medicine, 2018, 80, 42-52.	1.9	8
14	Accelerating 4D flow MRI by exploiting vector field divergence regularization. Magnetic Resonance in Medicine, 2016, 75, 115-125.	1.9	24
15	Phase unwrapping in 4D MR flow with a 4D single-step laplacian algorithm. Journal of Magnetic Resonance Imaging, 2016, 43, 833-842.	1.9	62
16	Comparison of divergence-free algorithms for 3D MRI with three-directional velocity encoding. Journal of Cardiovascular Magnetic Resonance, 2012, 14, .	1.6	6
17	Performance of a novel piezoelectric motor at 4.7 T: applications and initial tests. Magnetic Resonance Imaging, 2008, 26, 426-432.	1.0	12