Tamer A Basha

List of Publications by Year
in descending order

44 papers	1,346 citations	361045 20 h-index	344852 36 g-index
44 all docs	44 docs citations	44 times ranked	1568 citing authors

#	Article	IF	Citations
1	Detecting liver fibrosis using a machine learningâ€based approach to the quantification of the heartâ€induced deformation in tagged MR images. NMR in Biomedicine, 2020, 33, e4215.	1.6	15
2	Imaging sequence for joint myocardial <scp>T</scp>₁ mapping and fat/water separation. Magnetic Resonance in Medicine, 2019, 81, 486-494.	1.9	16
3	Gray blood late gadolinium enhancement cardiovascular magnetic resonanceÂfor improved detection of myocardial scar. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 22.	1.6	30
4	Improved dark blood late gadolinium enhancement (DBâ€LGE) imaging using an optimized joint inversion preparation and T₂ magnetization preparation. Magnetic Resonance in Medicine, 2018, 79, 351-360.	1.9	33
5	Clinical performance of highâ€resolution late gadolinium enhancement imaging with compressed sensing. Journal of Magnetic Resonance Imaging, 2017, 46, 1829-1838.	1.9	47
6	Improved segmented modified Look-Locker inversion recovery T1 mapping sequence in mice. PLoS ONE, 2017, 12, e0187621.	1.1	9
7	Joint myocardial T₁ and T₂ mapping using a combination of saturation recovery and T₂â€preparation. Magnetic Resonance in Medicine, 2016, 76, 888-896.	1.9	57
8	Free-breathing slice-interleaved myocardial T₂mapping with slice-selective T₂magnetization preparation. Magnetic Resonance in Medicine, 2016, 76, 555-565.	1.9	16
9	Comparison of spoiled gradient echo and steadyâ€state freeâ€precession imaging for native myocardial <i>T</i>₁ mapping using the sliceâ€interleaved <i>T</i>₁ mapping (STONE) sequence. NMR in Biomedicine, 2016, 29, 1486-1496.	1.6	10
10	Myocardial Native T1 Time in Patients With Hypertrophic Cardiomyopathy. American Journal of Cardiology, 2016, 118, 1057-1062.	0.7	31
11	Reproducibility of myocardial T₁ and T₂ relaxation time measurement using sliceâ€interleaved T₁ and T₂ mapping sequences. Journal of Magnetic Resonance Imaging, 2016, 44, 1159-1167.	1.9	11
12	Native Myocardial T1 as a Biomarker of Cardiac Structure in Non-Ischemic Cardiomyopathy. American Journal of Cardiology, 2016, 117, 282-288.	0.7	21
13	Left ventricular native T1 time and the risk of atrial fibrillation recurrence after pulmonary vein isolation in patients with paroxysmal atrial fibrillation. International Journal of Cardiology, 2016, 203, 848-854.	0.8	11
14	Relationship between native papillary muscle T1 time and severity of functional mitral regurgitation in patients with non-ischemic dilated cardiomyopathy. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 79.	1.6	11
15	Accelerated threeâ€dimensional cine phase contrast imaging using randomly undersampled echo planar imaging with compressed sensing reconstruction. NMR in Biomedicine, 2015, 28, 30-39.	1.6	14
16	Impact of motion correction on reproducibility and spatial variability of quantitative myocardial T2 mapping. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 46.	1.6	21
17	Freeâ€breathing postâ€contrast threeâ€dimensional T₁ mapping: Volumetric assessment of myocardial T₁ values. Magnetic Resonance in Medicine, 2015, 73, 214-222.	1.9	35
18	Freeâ€breathing multislice native myocardial T₁ mapping using the sliceâ€interleaved T₁ (STONE) sequence. Magnetic Resonance in Medicine, 2015, 74, 115-124.	1.9	83

#	Article	IF	Citations
19	Improved quantitative myocardial T₂ mapping: Impact of the fitting model. Magnetic Resonance in Medicine, 2015, 74, 93-105.	1.9	57
20	Freeâ€breathing combined threeâ€dimensional phase sensitive late gadolinium enhancement and T₁ mapping for myocardial tissue characterization. Magnetic Resonance in Medicine, 2015, 74, 1032-1041.	1.9	27
21	Black blood late gadolinium enhancement using combined T2 magnetization preparation and inversion recovery. Journal of Cardiovascular Magnetic Resonance, 2015, 17, O14.	1.6	7
22	Combined saturation/inversion recovery sequences for improved evaluation of scar and diffuse fibrosis in patients with arrhythmia or heart rate variability. Magnetic Resonance in Medicine, 2014, 71, 1024-1034.	1.9	149
23	Freeâ€breathing phase contrast MRI with near 100% respiratory navigator efficiency using kâ€spaceâ€dependent respiratory gating. Magnetic Resonance in Medicine, 2014, 71, 2172-2179.	1.9	13
24	3D late gadolinium enhancement in a single prolonged breathâ€hold using supplemental oxygenation and hyperventilation. Magnetic Resonance in Medicine, 2014, 72, 850-857.	1.9	14
25	Freeâ€breathing cardiac MR stress perfusion with realâ€time slice tracking. Magnetic Resonance in Medicine, 2014, 72, 689-698.	1.9	14
26	Localized spatioâ€temporal constraints for accelerated CMR perfusion. Magnetic Resonance in Medicine, 2014, 72, 629-639.	1.9	16
27	Accelerated free breathing ECG triggered contrast enhanced pulmonary vein magnetic resonance angiography using compressed sensing. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 91.	1.6	15
28	Software platform for flexible automated reconstruction of CMR data in a clinically feasible workflow. Journal of Cardiovascular Magnetic Resonance, 2014, 16, W9.	1.6	1
29	MR Myocardial Perfusion Imaging: Insights on Techniques, Analysis, Interpretation, and Findings. Radiographics, 2014, 34, 1636-1657.	1.4	18
30	Accelerated isotropic subâ€millimeter wholeâ€heart coronary MRI: Compressed sensing versus parallel imaging. Magnetic Resonance in Medicine, 2014, 71, 815-822.	1.9	64
31	An Augmented Lagrangian Based Compressed Sensing Reconstruction for Non-Cartesian Magnetic Resonance Imaging without Gridding and Regridding at Every Iteration. PLoS ONE, 2014, 9, e107107.	1.1	4
32	Compressed sensing reconstruction for wholeâ€heart imaging with 3D radial trajectories: A graphics processing unit implementation. Magnetic Resonance in Medicine, 2013, 69, 91-102.	1.9	62
33	Improved Multimodality Data Fusion of Late Gadolinium Enhancement MRI to Left Ventricular Voltage Maps in Ventricular Tachycardia Ablation. IEEE Transactions on Biomedical Engineering, 2013, 60, 1308-1317.	2.5	15
34	Improved fat water separation with water selective inversion pulse for inversion recovery imaging in cardiac MRI. Journal of Magnetic Resonance Imaging, 2013, 37, 484-490.	1.9	7
35	Joint image reconstruction and motion parameter estimation for free-breathing navigator-gated cardiac MRI. Proceedings of SPIE, 2013, , .	0.8	0
36	Regional and Global Biventricular Function in Pulmonary Arterial Hypertension: A Cardiac MR Imaging Study. Radiology, 2013, 266, 114-122.	3.6	71

#	Article	IF	Citations
37	Accelerated aortic flow assessment with compressed sensing with and without use of the sparsity of the complex difference image. Magnetic Resonance in Medicine, 2013, 70, 851-858.	1.9	38
38	Accelerated Late Gadolinium Enhancement Cardiac MR Imaging with Isotropic Spatial Resolution Using Compressed Sensing: Initial Experience. Radiology, 2012, 264, 691-699.	3.6	75
39	Accelerated contrastâ€enhanced wholeâ€heart coronary MRI using lowâ€dimensionalâ€structure selfâ€learning and thresholding. Magnetic Resonance in Medicine, 2012, 67, 1434-1443.	1.9	29
40	Lowâ€dimensionalâ€structure selfâ€learning and thresholding: Regularization beyond compressed sensing for MRI Reconstruction. Magnetic Resonance in Medicine, 2011, 66, 756-767.	1.9	120
41	Compressedâ€sensing motion compensation (CosMo): A joint prospectiveâ€œretrospective respiratory navigator for coronary MRI. Magnetic Resonance in Medicine, 2011, 66, 1674-1681.	1.9	22
42	Realâ€time singleâ€heartbeat fast strainâ€encoded imaging of right ventricular regional function: Normal versus chronic pulmonary hypertension. Magnetic Resonance in Medicine, 2010, 64, 98-106.	1.9	26
43	Cine cardiac imaging using blackâ€blood steadyâ€state free precession (BBâ€SSFP) at 3T. Journal of Magnetic Resonance Imaging, 2009, 30, 94-103.	1.9	5
44	Inherent fat cancellation in complementary spatial modulation of magnetization. Magnetic Resonance in Medicine, 2009, 61, 234-238.	1.9	6