

Tamer A Basha

List of Publications by Year in descending order

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44
papers

1,346
citations

361045

20
h-index

344852

36
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docs citations

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times ranked

1568
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined saturation/inversion recovery sequences for improved evaluation of scar and diffuse fibrosis in patients with arrhythmia or heart rate variability. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 1024-1034.	1.9	149
2	Low-dimensional structure self-learning and thresholding: Regularization beyond compressed sensing for MRI Reconstruction. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 756-767.	1.9	120
3	Free-breathing multislice native myocardial T_1 mapping using the slice-interleaved T_1 (STONE) sequence. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 115-124.	1.9	83
4	Accelerated Late Gadolinium Enhancement Cardiac MR Imaging with Isotropic Spatial Resolution Using Compressed Sensing: Initial Experience. <i>Radiology</i> , 2012, 264, 691-699.	3.6	75
5	Regional and Global Biventricular Function in Pulmonary Arterial Hypertension: A Cardiac MR Imaging Study. <i>Radiology</i> , 2013, 266, 114-122.	3.6	71
6	Accelerated isotropic submillimeter whole-heart coronary MRI: Compressed sensing versus parallel imaging. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 815-822.	1.9	64
7	Compressed sensing reconstruction for whole-heart imaging with 3D radial trajectories: A graphics processing unit implementation. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 91-102.	1.9	62
8	Improved quantitative myocardial T_2 mapping: Impact of the fitting model. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 93-105.	1.9	57
9	Joint myocardial T_1 and T_2 mapping using a combination of saturation recovery and T_2 preparation. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 888-896.	1.9	57
10	Clinical performance of high-resolution late gadolinium enhancement imaging with compressed sensing. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 1829-1838.	1.9	47
11	Accelerated aortic flow assessment with compressed sensing with and without use of the sparsity of the complex difference image. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 851-858.	1.9	38
12	Free-breathing post-contrast three-dimensional T_1 mapping: Volumetric assessment of myocardial T_1 values. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 214-222.	1.9	35
13	Improved dark blood late gadolinium enhancement (DB-LGE) imaging using an optimized joint inversion preparation and T_2 magnetization preparation. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 351-360.	1.9	33
14	Myocardial Native T1 Time in Patients With Hypertrophic Cardiomyopathy. <i>American Journal of Cardiology</i> , 2016, 118, 1057-1062.	0.7	31
15	Gray blood late gadolinium enhancement cardiovascular magnetic resonance for improved detection of myocardial scar. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 22.	1.6	30
16	Accelerated contrast-enhanced whole-heart coronary MRI using low-dimensional structure self-learning and thresholding. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1434-1443.	1.9	29
17	Free-breathing combined three-dimensional phase sensitive late gadolinium enhancement and T_1 mapping for myocardial tissue characterization. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 1032-1041.	1.9	27
18	Real-time single-heartbeat fast strain-encoded imaging of right ventricular regional function: Normal versus chronic pulmonary hypertension. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 98-106.	1.9	26

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19	Compressed sensing motion compensation (CosMo): A joint prospective-retrospective respiratory navigator for coronary MRI. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 1674-1681.	1.9	22
20	Impact of motion correction on reproducibility and spatial variability of quantitative myocardial T2 mapping. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 46.	1.6	21
21	Native Myocardial T1 as a Biomarker of Cardiac Structure in Non-Ischemic Cardiomyopathy. <i>American Journal of Cardiology</i> , 2016, 117, 282-288.	0.7	21
22	MR Myocardial Perfusion Imaging: Insights on Techniques, Analysis, Interpretation, and Findings. <i>Radiographics</i> , 2014, 34, 1636-1657.	1.4	18
23	Localized spatio-temporal constraints for accelerated CMR perfusion. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 629-639.	1.9	16
24	Free-breathing slice-interleaved myocardial T ₂ mapping with slice-selective T ₂ magnetization preparation. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 555-565.	1.9	16
25	Imaging sequence for joint myocardial T ₁ mapping and fat/water separation. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 486-494.	1.9	16
26	Improved Multimodality Data Fusion of Late Gadolinium Enhancement MRI to Left Ventricular Voltage Maps in Ventricular Tachycardia Ablation. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 1308-1317.	2.5	15
27	Accelerated free breathing ECG triggered contrast enhanced pulmonary vein magnetic resonance angiography using compressed sensing. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, 91.	1.6	15
28	Detecting liver fibrosis using a machine learning-based approach to the quantification of the heart-induced deformation in tagged MR images. <i>NMR in Biomedicine</i> , 2020, 33, e4215.	1.6	15
29	Accelerated three-dimensional cine phase contrast imaging using randomly undersampled echo planar imaging with compressed sensing reconstruction. <i>NMR in Biomedicine</i> , 2015, 28, 30-39.	1.6	14
30	3D late gadolinium enhancement in a single prolonged breath-hold using supplemental oxygenation and hyperventilation. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 850-857.	1.9	14
31	Free-breathing cardiac MR stress perfusion with real-time slice tracking. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 689-698.	1.9	14
32	Free-breathing phase contrast MRI with near 100% respiratory navigator efficiency using k-space-dependent respiratory gating. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 2172-2179.	1.9	13
33	Reproducibility of myocardial T ₁ and T ₂ relaxation time measurement using slice-interleaved T ₁ and T ₂ mapping sequences. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 1159-1167.	1.9	11
34	Left ventricular native T1 time and the risk of atrial fibrillation recurrence after pulmonary vein isolation in patients with paroxysmal atrial fibrillation. <i>International Journal of Cardiology</i> , 2016, 203, 848-854.	0.8	11
35	Relationship between native papillary muscle T1 time and severity of functional mitral regurgitation in patients with non-ischemic dilated cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 79.	1.6	11
36	Comparison of spoiled gradient echo and steady-state free-precession imaging for native myocardial T ₁ mapping using the slice-interleaved T ₁ mapping (STONE) sequence. <i>NMR in Biomedicine</i> , 2016, 29, 1486-1496.	1.6	10

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37	Improved segmented modified Look-Locker inversion recovery T1 mapping sequence in mice. PLoS ONE, 2017, 12, e0187621.	1.1	9
38	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
39	Black blood late gadolinium enhancement using combined T2 magnetization preparation and inversion recovery. Journal of Cardiovascular Magnetic Resonance, 2015, 17, O14.	1.6	7
40	Inherent fat cancellation in complementary spatial modulation of magnetization. Magnetic Resonance in Medicine, 2009, 61, 234-238.	1.9	6
41	Cine cardiac imaging using black-blood steady-state free precession (BBSSFP) at 3T. Journal of Magnetic Resonance Imaging, 2009, 30, 94-103.	1.9	5
42	An Augmented Lagrangian Based Compressed Sensing Reconstruction for Non-Cartesian Magnetic Resonance Imaging without Gridding and Re-gridding at Every Iteration. PLoS ONE, 2014, 9, e107107.	1.1	4
43	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
44	Joint image reconstruction and motion parameter estimation for free-breathing navigator-gated cardiac MRI. Proceedings of SPIE, 2013, , .	0.8	0