Teresa Correia

List of Publications by Year
in descending order

39 papers	606 citations	623734 14 h-index	610901 24 g-index
39 all docs	39 docs citations	39 times ranked	788 citing authors

#	Article	IF	Citations
1	Cardiac MR: From Theory to Practice. Frontiers in Cardiovascular Medicine, 2022, 9, 826283.	2.4	18
2	High-Resolution Free-Breathing Quantitative First-Pass Perfusion Cardiac MR Using Dual-Echo Dixon With Spatio-Temporal Acceleration. Frontiers in Cardiovascular Medicine, 2022, 9, 884221.	2.4	2
3	Physics-Informed Self-supervised Deep Learning Reconstruction for Accelerated First-Pass Perfusion Cardiac MRI. Lecture Notes in Computer Science, 2021, , 86-95.	1.3	0
4	Wholeâ€heart T 1 mapping using a 2D fat image navigator for respiratory motion compensation. Magnetic Resonance in Medicine, 2020, 83, 178-187.	3.0	6
5	Strain maps of the left atrium imaged with a novel high-resolution CINE MRI protocol. , 2020, 2020, 1178-1181.		2
6	Feasibility of free-breathing quantitative myocardial perfusion using multi-echo Dixon magnetic resonance imaging. Scientific Reports, 2020, 10, 12684.	3.3	6
7	Accelerated high-resolution free-breathing 3D whole-heart T2-prepared black-blood and bright-blood cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 88.	3.3	4
8	3D whole-heart isotropic sub-millimeter resolution coronary magnetic resonance angiography with non-rigid motion-compensated PROST. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 24.	3.3	37
9	Fiveâ€minute wholeâ€heart coronary MRA with subâ€millimeter isotropic resolution, 100% respiratory scan efficiency, and 3Dâ€PROST reconstruction. Magnetic Resonance in Medicine, 2019, 81, 102-115.	3.0	73
10	Visualization of coronary arteries in paediatric patients using whole-heart coronary magnetic resonance angiography: comparison of image-navigation and the standard approach for respiratory motion compensation. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 13.	3.3	5
11	Model-Based Reconstruction for Highly Accelerated First-Pass Perfusion Cardiac MRI. Lecture Notes in Computer Science, 2019, , 514-522.	1.3	2
12	Exploiting patterned illumination and detection in optical projection tomography (Conference) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30		0
13	Optimized respiratoryâ€resolved motionâ€compensated 3<scp>D C</scp>artesian coronary <scp>MR</scp> angiography. Magnetic Resonance in Medicine, 2018, 80, 2618-2629.	3.0	27
14	Technical note: Accelerated nonrigid motionâ€compensated isotropic 3D coronary <scp>MR</scp> angiography. Medical Physics, 2018, 45, 214-222.	3.0	19
15	Slice-illuminated optical projection tomography. Optics Letters, 2018, 43, 5555.	3.3	5
16	Reconstruction of an optical inhomogeneity map improves fluorescence diffuse optical tomography. Biomedical Physics and Engineering Express, 2016, 2, 055020.	1.2	4
17	Patch-based anisotropic diffusion scheme for fluorescence diffuse optical tomographyâ€”part 1: technical principles. Physics in Medicine and Biology, 2016, 61, 1439-1451.	3.0	4
18	Patch-based anisotropic diffusion scheme for fluorescence diffuse optical tomographyâ€”part 2: image reconstruction. Physics in Medicine and Biology, 2016, 61, 1452-1475.	3.0	8

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19	Quantitative in vivo optical tomography of cancer progression & vasculature development in adult zebrafish. Oncotarget, 2016, 7, 43939-43948.	1.8	23
20	In vivo multiplexed OPT and FLIM OPT of an adult zebrafish cancer disease model. , 2016, , .		0
21	Data-driven approach to optimum wavelength selection for diffuse optical imaging. Journal of Biomedical Optics, 2015, 20, 016003.	2.6	13
22	Accelerated Optical Projection Tomography Applied to In Vivo Imaging of Zebrafish. PLoS ONE, 2015, 10, e0136213.	2.5	45
23	Effect of Blood in the Cerebrospinal Fluid on the Accuracy of Cerebral Oxygenation Measured by Near Infrared Spectroscopy. Advances in Experimental Medicine and Biology, 2014, 812, 233-240.	1.6	6
24	Quantitative fluorescence diffuse optical tomography in the presence of heterogeneities. Optics Letters, 2013, 38, 1903.	3.3	14
25	Use of Split Bregman denoising for iterative reconstruction in fluorescence diffuse optical tomography. Journal of Biomedical Optics, 2013, 18, 076016.	2.6	27
26	Wavelet-based data and solution compression for efficient image reconstruction in fluorescence diffuse optical tomography. Journal of Biomedical Optics, 2013, 18, 086008.	2.6	14
27	Efficient image reconstruction in fluorescence diffuse optical tomography (fDOT) using data and solution compression. , 2013, , .		0
28	Cortical Mapping of 3D Optical Topography in Infants. Advances in Experimental Medicine and Biology, 2013, 789, 455-461.	1.6	5
29	Tomographic imaging with polarized light. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 980.	1.5	12
30	Three-dimensional optical topography of brain activity in infants watching videos of human movement. Physics in Medicine and Biology, 2012, 57, 1135-1146.	3.0	12
31	Split operator method for fluorescence diffuse optical tomography using anisotropic diffusion regularisation with prior anatomical information. Biomedical Optics Express, 2011, 2, 2632.	2.9	38
32	Fluorescence diffuse optical tomography using the split Bregman method. Medical Physics, 2011, 38, 6275-6284.	3.0	57
33	Identification of the optimal wavelengths for optical topography: a photon measurement density function analysis. Journal of Biomedical Optics, 2010, 15, 056002.	2.6	26
34	A quantitative assessment of the depth sensitivity of an optical topography system using a solid dynamic tissue-phantom. Physics in Medicine and Biology, 2009, 54, 6277-6286.	3.0	21
35	Selection of regularization parameter for optical topography. Journal of Biomedical Optics, 2009, 14, 034044.	2.6	52
36	Identification of the optimal wavelengths in optical topography using photon density measurement functions. , 2009, , .		2

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37	An electrically-activated dynamic tissue-equivalent phantom for assessment of diffuse optical imaging systems. Physics in Medicine and Biology, 2008, 53, 329-337.	3.0	16
38	A dynamic optical imaging phantom based on an array of semiconductor diodes. Physics in Medicine and Biology, 2008, 53, N407-N413.	3.0	1
39	Optimal Selection of the Regularization Parameter for Optical Topography Image Reconstruction. , 2008, , .		0