

# Teresa Correia

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Five-minute whole-heart coronary MRA with sub-millimeter isotropic resolution, 100% respiratory scan efficiency, and 3D-PROST reconstruction. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 102-115.	3.0	73
2	Fluorescence diffuse optical tomography using the split Bregman method. <i>Medical Physics</i> , 2011, 38, 6275-6284.	3.0	57
3	Selection of regularization parameter for optical topography. <i>Journal of Biomedical Optics</i> , 2009, 14, 034044.	2.6	52
4	Accelerated Optical Projection Tomography Applied to In Vivo Imaging of Zebrafish. <i>PLoS ONE</i> , 2015, 10, e0136213.	2.5	45
5	Split operator method for fluorescence diffuse optical tomography using anisotropic diffusion regularisation with prior anatomical information. <i>Biomedical Optics Express</i> , 2011, 2, 2632.	2.9	38
6	3D whole-heart isotropic sub-millimeter resolution coronary magnetic resonance angiography with non-rigid motion-compensated PROST. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 24.	3.3	37
7	Use of Split Bregman denoising for iterative reconstruction in fluorescence diffuse optical tomography. <i>Journal of Biomedical Optics</i> , 2013, 18, 076016.	2.6	27
8	Optimized respiratory-resolved motion-compensated 3D cardiac coronary MR angiography. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2618-2629.	3.0	27
9	Identification of the optimal wavelengths for optical topography: a photon measurement density function analysis. <i>Journal of Biomedical Optics</i> , 2010, 15, 056002.	2.6	26
10	Quantitative in vivo optical tomography of cancer progression & vasculature development in adult zebrafish. <i>Oncotarget</i> , 2016, 7, 43939-43948.	1.8	23
11	A quantitative assessment of the depth sensitivity of an optical topography system using a solid dynamic tissue-phantom. <i>Physics in Medicine and Biology</i> , 2009, 54, 6277-6286.	3.0	21
12	Technical note: Accelerated nonrigid motion-compensated isotropic 3D coronary MR angiography. <i>Medical Physics</i> , 2018, 45, 214-222.	3.0	19
13	Cardiac MR: From Theory to Practice. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 826283.	2.4	18
14	An electrically-activated dynamic tissue-equivalent phantom for assessment of diffuse optical imaging systems. <i>Physics in Medicine and Biology</i> , 2008, 53, 329-337.	3.0	16
15	Quantitative fluorescence diffuse optical tomography in the presence of heterogeneities. <i>Optics Letters</i> , 2013, 38, 1903.	3.3	14
16	Wavelet-based data and solution compression for efficient image reconstruction in fluorescence diffuse optical tomography. <i>Journal of Biomedical Optics</i> , 2013, 18, 086008.	2.6	14
17	Data-driven approach to optimum wavelength selection for diffuse optical imaging. <i>Journal of Biomedical Optics</i> , 2015, 20, 016003.	2.6	13
18	Tomographic imaging with polarized light. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2012, 29, 980.	1.5	12

#	ARTICLE	IF	CITATIONS
19	Three-dimensional optical topography of brain activity in infants watching videos of human movement. <i>Physics in Medicine and Biology</i> , 2012, 57, 1135-1146.	3.0	12
20	Patch-based anisotropic diffusion scheme for fluorescence diffuse optical tomography—part 2: image reconstruction. <i>Physics in Medicine and Biology</i> , 2016, 61, 1452-1475.	3.0	8
21	Whole-heart T1 mapping using a 2D fat image navigator for respiratory motion compensation. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 178-187.	3.0	6
22	Feasibility of free-breathing quantitative myocardial perfusion using multi-echo Dixon magnetic resonance imaging. <i>Scientific Reports</i> , 2020, 10, 12684.	3.3	6
23	Effect of Blood in the Cerebrospinal Fluid on the Accuracy of Cerebral Oxygenation Measured by Near Infrared Spectroscopy. <i>Advances in Experimental Medicine and Biology</i> , 2014, 812, 233-240.	1.6	6
24	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. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 13.	3.3	5
25	Cortical Mapping of 3D Optical Topography in Infants. <i>Advances in Experimental Medicine and Biology</i> , 2013, 789, 455-461.	1.6	5
26	Slice-illuminated optical projection tomography. <i>Optics Letters</i> , 2018, 43, 5555.	3.3	5
27	Reconstruction of an optical inhomogeneity map improves fluorescence diffuse optical tomography. <i>Biomedical Physics and Engineering Express</i> , 2016, 2, 055020.	1.2	4
28	Patch-based anisotropic diffusion scheme for fluorescence diffuse optical tomography—part 1: technical principles. <i>Physics in Medicine and Biology</i> , 2016, 61, 1439-1451.	3.0	4
29	Accelerated high-resolution free-breathing 3D whole-heart T2-prepared black-blood and bright-blood cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 88.	3.3	4
30	Identification of the optimal wavelengths in optical topography using photon density measurement functions. , 2009, , .		2
31	Strain maps of the left atrium imaged with a novel high-resolution CINE MRI protocol. , 2020, 2020, 1178-1181.		2
32	Model-Based Reconstruction for Highly Accelerated First-Pass Perfusion Cardiac MRI. <i>Lecture Notes in Computer Science</i> , 2019, , 514-522.	1.3	2
33	High-Resolution Free-Breathing Quantitative First-Pass Perfusion Cardiac MR Using Dual-Echo Dixon With Spatio-Temporal Acceleration. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 884221.	2.4	2
34	A dynamic optical imaging phantom based on an array of semiconductor diodes. <i>Physics in Medicine and Biology</i> , 2008, 53, N407-N413.	3.0	1
35	Efficient image reconstruction in fluorescence diffuse optical tomography (fDOT) using data and solution compression. , 2013, , .		0
36	Physics-Informed Self-supervised Deep Learning Reconstruction for Accelerated First-Pass Perfusion Cardiac MRI. <i>Lecture Notes in Computer Science</i> , 2021, , 86-95.	1.3	0

#	ARTICLE	IF	CITATIONS
37	Optimal Selection of the Regularization Parameter for Optical Topography Image Reconstruction. , 2008, , .		0
38	In vivo multiplexed OPT and FLIM OPT of an adult zebrafish cancer disease model. , 2016, , .		0
39	Exploiting patterned illumination and detection in optical projection tomography (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock ID		