Jean-Baptiste Thibault

List of Publications by Year
in descending order

18 papers	1,629 citations	933447 10 h-index	1281871 11 g-index
18 all docs	18 docs citations	18 times ranked	1362 citing authors

#	Article	IF	Citations
1	A three‐dimensional statistical approach to improved image quality for multislice helical CT. Medical Physics, 2007, 34, 4526-4544.	3.0	806
2	Fast Model-Based X-Ray CT Reconstruction Using Spatially Nonhomogeneous ICD Optimization. IEEE Transactions on Image Processing, 2011, 20, 161-175.	9.8	242
3	Recent Advances in CT Image Reconstruction. Current Radiology Reports, 2013, 1, 39-51.	1.4	104
4	Model-Based Iterative Reconstruction for Dual-Energy X-Ray CT Using a Joint Quadratic Likelihood Model. IEEE Transactions on Medical Imaging, 2014, 33, 117-134.	8.9	95
5	A three-dimensional weighted cone beam filtered backprojection (CB-FBP) algorithm for image reconstruction in volumetric CT under a circular source trajectory. Physics in Medicine and Biology, 2005, 50, 3889-3905.	3.0	74
6	Model-Based Iterative Reconstruction Versus Adaptive Statistical Iterative Reconstruction and Filtered Back Projection in Liver 64-MDCT: Focal Lesion Detection, Lesion Conspicuity, and Image Noise. American Journal of Roentgenology, 2013, 200, 1071-1076.	2.2	71
7	Dual-energy CT and its potential use for quantitative myocardial CT perfusion. Journal of Cardiovascular Computed Tomography, 2012, 6, 308-317.	1.3	51
8	<title>A recursive filter for noise reduction in statistical iterative tomographic imaging</title>. , 2006, 6065, 264.		41
9	Accelerating Ordered Subsets Image Reconstruction for X-ray CT Using Spatially Nonuniform Optimization Transfer. IEEE Transactions on Medical Imaging, 2013, 32, 1965-1978.	8.9	41
10	A Gaussian Mixture MRF for Model-Based Iterative Reconstruction With Applications to Low-Dose X-Ray CT. IEEE Transactions on Computational Imaging, 2016, 2, 359-374.	4.4	24
11	2.5D Deep Learning For CT Image Reconstruction Using A Multi-GPU Implementation. , 2018, , .		22
12	Prior-Guided Metal Artifact Reduction for Iterative X-Ray Computed Tomography. IEEE Transactions on Medical Imaging, 2019, 38, 1532-1542.	8.9	17
13	Gaussian mixture Markov random field for image denoising and reconstruction. , 2013, , .		12
14	Block-based iterative coordinate descent. , 2010, , .		11
15	Statistical x-ray computed tomography imaging from photon-starved measurements. Proceedings of SPIE, 2014, , .	0.8	9
16	Spatial resolution enhancement in CT iterative reconstruction. , 2009, , .		8
17	System modeling studies in iterative X-ray CT reconstruction. , 2008, , .		1
18	Modeling and estimation of detector response and focal spot profile for high-resolution iterative CT reconstruction. , 2013, , .		0