Jingyan Xu

List of Publications by Year in descending order

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		1306789	1125271
25	185	7	13
papers	citations	h-index	g-index

25	25	25	244
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Convex optimization algorithms in medical image reconstructionâ€"in the age of AI. Physics in Medicine and Biology, 2022, 67, 07TR01.	1.6	6
2	Efficient gradient computation for optimization of hyperparameters. Physics in Medicine and Biology, 2022, 67, 03NT01.	1.6	1
3	Patient-specific hyperparameter learning for optimization-based CT image reconstruction. Physics in Medicine and Biology, 2021, 66, 19NT01.	1.6	4
4	Threeâ€dimensional regionsâ€ofâ€interestâ€"based intraâ€operative fourâ€dimensional soft tissue perfusion imaging using a standard xâ€ray system with no gantry rotation: A simulation study for a proof of concept. Medical Physics, 2020, 47, 6087-6102.	1.6	2
5	A Robust Regularizer for Multiphase CT. IEEE Transactions on Medical Imaging, 2020, 39, 2327-2338.	5.4	2
6	Adaptive smoothing algorithms for MBIR in CT applications. , 2019, , .		1
7	A Direct Algorithm for Optimization Problems With the Huber Penalty. IEEE Transactions on Medical Imaging, 2018, 37, 162-172.	5.4	4
8	A sequential solution for anisotropic total variation image denoising with interval constraints. Physics in Medicine and Biology, 2017, 62, N428-N435.	1.6	4
9	Advancements in data-driven respiratory motion extraction methods for clinical list-mode 18F-FDG PET datasets acquired from a commercial PET scanner. , 2017, , .		0
10	Task-based image quality evaluation of iterative reconstruction methods for low dose CT using computer simulations. Physics in Medicine and Biology, 2015, 60, 2881-2901.	1.6	13
11	An Analytical Geometric Calibration Method for Circular Cone-Beam Geometry. IEEE Transactions on Medical Imaging, 2013, 32, 1731-1744.	5.4	11
12	Interior and Sparse-View Image Reconstruction Using a Mixed Region and Voxel-Based ML-EM Algorithm. IEEE Transactions on Nuclear Science, 2012, 59, 1997-2007.	1.2	4
13	Iterative image reconstruction in helical cone-beam x-ray CT using a stored system matrix approach. Physics in Medicine and Biology, 2012, 57, 3477-3497.	1.6	9
14	A Graphical Method for Determining the In-Plane Rotation Angle in Geometric Calibration of Circular Cone-Beam CT Systems. IEEE Transactions on Medical Imaging, 2012, 31, 825-833.	5.4	8
15	High performance SPECT system for simultaneous SPECT-MR imaging of small animals. , 2011, , .		5
16	The design of optimal multipinhole collimators for a seamless SPECT detector ring. , 2011, , .		1
17	Interior and sparse-view image reconstruction using a mixed region and voxel based ML-EM algorithm. , 2011, , .		1
18	Acquisition strategies of a dual head rotating 4-Segment Slant-Hole (R4SSH) SPECT System for Improved Myocardial Perfusion SPECT Imaging. , 2011, , .		2

#	Article	IF	Citations
19	Statistical Projection Completion in X-ray CT Using Consistency Conditions. IEEE Transactions on Medical Imaging, 2010, 29, 1528-1540.	5.4	35
20	Is Iterative Reconstruction Ready for MDCT?. Journal of the American College of Radiology, 2009, 6, 274-276.	0.9	57
21	Quantitative Rotating Multisegment Slant-Hole SPECT Mammography With Attenuation and Collimator-Detector Response Compensation. IEEE Transactions on Medical Imaging, 2007, 26, 906-916.	5.4	14
22	The Effects of Object Variability on the Channelized Hotelling Observer Performance in the Evaluation of R4SSH and PH Myocardial Perfusion SPECT. , 2006, , .		1
23	Optimization of Gated Liver FDG PET with Non-Uniform Respiration. , 2006, , .		0
24	Performance Evaluation of Block-Iterative Algorithms for SPECT Reconstruction. , 0, , .		0
25	Investigation of Imaging Characteristics of Rotating Multi-Segment Slant-Hole SPECT Mammography Using Signal-to-Noise Ratio Criterion. , 0, , .		0