

Jingyan Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8640034/publications.pdf>

Version: 2024-02-01

25
papers

185
citations

1306789

7
h-index

1125271

13
g-index

25
all docs

25
docs citations

25
times ranked

244
citing authors

#	ARTICLE	IF	CITATIONS
1	Is Iterative Reconstruction Ready for MDCT?. Journal of the American College of Radiology, 2009, 6, 274-276.	0.9	57
2	Statistical Projection Completion in X-ray CT Using Consistency Conditions. IEEE Transactions on Medical Imaging, 2010, 29, 1528-1540.	5.4	35
3	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
4	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
5	An Analytical Geometric Calibration Method for Circular Cone-Beam Geometry. IEEE Transactions on Medical Imaging, 2013, 32, 1731-1744.	5.4	11
6	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
7	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
8	Convex optimization algorithms in medical image reconstruction in the age of AI. Physics in Medicine and Biology, 2022, 67, 07TR01.	1.6	6
9	High performance SPECT system for simultaneous SPECT-MR imaging of small animals. , 2011, , .		5
10	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
11	A sequential solution for anisotropic total variation image denoising with interval constraints. Physics in Medicine and Biology, 2017, 62, N428-N435.	1.6	4
12	A Direct Algorithm for Optimization Problems With the Huber Penalty. IEEE Transactions on Medical Imaging, 2018, 37, 162-172.	5.4	4
13	Patient-specific hyperparameter learning for optimization-based CT image reconstruction. Physics in Medicine and Biology, 2021, 66, 19NT01.	1.6	4
14	Acquisition strategies of a dual head rotating 4-Segment Slant-Hole (R4SSH) SPECT System for Improved Myocardial Perfusion SPECT Imaging. , 2011, , .		2
15	Three-dimensional regions of interest based intraoperative four-dimensional soft tissue perfusion imaging using a standard x-ray system with no gantry rotation: A simulation study for a proof of concept. Medical Physics, 2020, 47, 6087-6102.	1.6	2
16	A Robust Regularizer for Multiphase CT. IEEE Transactions on Medical Imaging, 2020, 39, 2327-2338.	5.4	2
17	The Effects of Object Variability on the Channelized Hotelling Observer Performance in the Evaluation of R4SSH and PH Myocardial Perfusion SPECT. , 2006, , .		1
18	The design of optimal multipinhole collimators for a seamless SPECT detector ring. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
19	Interior and sparse-view image reconstruction using a mixed region and voxel based ML-EM algorithm. , 2011, , .		1
20	Adaptive smoothing algorithms for MBIR in CT applications. , 2019, , .		1
21	Efficient gradient computation for optimization of hyperparameters. Physics in Medicine and Biology, 2022, 67, 03NT01.	1.6	1
22	Performance Evaluation of Block-Iterative Algorithms for SPECT Reconstruction. , 0, , .		0
23	Investigation of Imaging Characteristics of Rotating Multi-Segment Slant-Hole SPECT Mammography Using Signal-to-Noise Ratio Criterion. , 0, , .		0
24	Optimization of Gated Liver FDG PET with Non-Uniform Respiration. , 2006, , .		0
25	Advancements in data-driven respiratory motion extraction methods for clinical list-mode 18F-FDG PET datasets acquired from a commercial PET scanner. , 2017, , .		0