

Yusheng Li

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

263
citations

932766

10
h-index

1058022

14
g-index

30
all docs

30
docs citations

30
times ranked

350
citing authors

#	ARTICLE	IF	CITATIONS
1	Attenuation correction in emission tomography using the emission data—A review. <i>Medical Physics</i> , 2016, 43, 807-832.	1.6	82
2	Noise propagation for iterative penalized-likelihood image reconstruction based on Fisher information. <i>Physics in Medicine and Biology</i> , 2011, 56, 1083-1103.	1.6	30
3	Transmission-less attenuation estimation from time-of-flight PET histo-images using consistency equations. <i>Physics in Medicine and Biology</i> , 2015, 60, 6563-6583.	1.6	22
4	Image-Based Modeling of PSF Deformation With Application to Limited Angle PET Data. <i>IEEE Transactions on Nuclear Science</i> , 2016, 63, 2599-2606.	1.2	17
5	The geometric response function for convergent slit-slat collimators. <i>Physics in Medicine and Biology</i> , 2009, 54, 1469-1482.	1.6	16
6	Fourier rebinning and consistency equations for time-of-flight PET planograms. <i>Inverse Problems</i> , 2016, 32, 095004.	1.0	16
7	Practical joint reconstruction of activity and attenuation with autonomous scaling for time-of-flight PET. <i>Physics in Medicine and Biology</i> , 2020, 65, 235037.	1.6	14
8	Image reconstructions from super-sampled data sets with resolution modeling in PET imaging. <i>Medical Physics</i> , 2014, 41, 121912.	1.6	14
9	A unified Fourier theory for time-of-flight PET data. <i>Physics in Medicine and Biology</i> , 2016, 61, 601-624.	1.6	13
10	Effects of TOF Resolution Models on Edge Artifacts in PET Reconstruction From Limited-Angle Data. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2020, 4, 603-612.	2.7	12
11	LOR-interleaving image reconstruction for PET imaging with fractional-crystal collimation. <i>Physics in Medicine and Biology</i> , 2015, 60, 647-670.	1.6	9
12	Consistency equations in native detector coordinates and timing calibration for time-of-flight PET. <i>Biomedical Physics and Engineering Express</i> , 2019, 5, 025010.	0.6	6
13	LOR-interleaving image reconstruction for PET with collimation. , 2012, , .		2
14	Model-Based Normalization of a Fractional-Crystal Collimator for Small-Animal PET Imaging. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2017, 1, 262-267.	2.7	2
15	Motion Displacement Field Estimation using Time-of-Flight PET Histoimages. , 2019, , .		2
16	Feasibility of a high-resolution pixellated detector for C-SPECT. , 2009, , .		1
17	View sampling requirements for cardiac SPECT. , 2010, , .		1
18	Model-based normalization of a fractional-crystal collimator prototype for small-animal PET imaging. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
19	Optimization for Blob-Based Image Reconstruction With Generalized Kaiser-Bessel Basis Functions. IEEE Transactions on Computational Imaging, 2018, 4, 257-270.	2.6	1
20	optical redox imaging of fixed unstained tissue slides to identify biomarkers for breast cancer diagnosis/prognosis: feasibility study. , 2018, 10472, .		1
21	Joint reconstruction of activity and attenuation with autonomous scaling for time-of-flight PET. , 2019, , .		1
22	Analytic derivation of pinhole collimator sensitivity for a general source distribution. , 2009, , .		0
23	Development of a modular detector system for C-SPECT. , 2010, , .		0
24	Image reconstructions from super-sampled data sets in PET imaging. , 2013, , .		0
25	Investigation of super-sampling techniques with blob-based super-resolution reconstructions for PET imaging. , 2014, , .		0
26	Image-based modeling of PSF deformation with application to limited angle PET data. , 2015, , .		0
27	Developing an Expert System to Improve Lesion Quantification for Personalized PET Imaging. , 2017, , .		0
28	Axial Fourier Rebinning for Time-of-Flight PET. , 2017, , .		0
29	Maximum Likelihood Joint Reconstruction of Activity and Attenuation Factors from Time-of-Flight PET Histoimages. , 2018, , .		0
30	Effects of TOF Resolution Models on Edge Artifacts in PET Reconstruction from Limited Angle Data. , 2019, , .		0