

Jing Tang

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

750
citations

623734

14
h-index

752698

20
g-index

40
all docs

40
docs citations

40
times ranked

740
citing authors

#	ARTICLE	IF	CITATIONS
1	Four-dimensional (4D) image reconstruction strategies in dynamic PET: Beyond conventional independent frame reconstruction. <i>Medical Physics</i> , 2009, 36, 3654-3670.	3.0	137
2	Bayesian PET image reconstruction incorporating anato-functional joint entropy. <i>Physics in Medicine and Biology</i> , 2009, 54, 7063-7075.	3.0	91
3	Noise propagation in resolution modeled PET imaging and its impact on detectability. <i>Physics in Medicine and Biology</i> , 2013, 58, 6945-6968.	3.0	51
4	Direct 4D reconstruction of parametric images incorporating anato-functional joint entropy. <i>Physics in Medicine and Biology</i> , 2010, 55, 4261-4272.	3.0	47
5	Artificial Neural Network Enhanced Bayesian PET Image Reconstruction. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 1297-1309.	8.9	46
6	Four-Dimensional Image Reconstruction Strategies in Cardiac-Gated and Respiratory-Gated PET Imaging. <i>PET Clinics</i> , 2013, 8, 51-67.	3.0	38
7	Direct 4D parametric imaging for linearized models of reversibly binding PET tracers using generalized AB-EM reconstruction. <i>Physics in Medicine and Biology</i> , 2012, 57, 733-755.	3.0	35
8	3.5D dynamic PET image reconstruction incorporating kinetics-based clusters. <i>Physics in Medicine and Biology</i> , 2012, 57, 5035-5055.	3.0	33
9	Machine learning methods for optimal prediction of motor outcome in Parkinson's disease. <i>Physica Medica</i> , 2020, 69, 233-240.	0.7	32
10	Optimization of Rb-82 PET acquisition and reconstruction protocols for myocardial perfusion defect detection. <i>Physics in Medicine and Biology</i> , 2009, 54, 3161-3171.	3.0	31
11	Anatomy assisted PET image reconstruction incorporating multi-resolution joint entropy. <i>Physics in Medicine and Biology</i> , 2015, 60, 31-48.	3.0	29
12	Artificial Neural Network-Based Prediction of Outcome in Parkinson's Disease Patients Using DaTscan SPECT Imaging Features. <i>Molecular Imaging and Biology</i> , 2019, 21, 1165-1173.	2.6	29
13	Sparsity-constrained PET image reconstruction with learned dictionaries. <i>Physics in Medicine and Biology</i> , 2016, 61, 6347-6368.	3.0	27
14	Improved motor outcome prediction in Parkinson's disease applying deep learning to DaTscan SPECT images. <i>Computers in Biology and Medicine</i> , 2021, 132, 104312.	7.0	19
15	Sparsity-based PET image reconstruction using MRI learned dictionaries. , 2014, , .		13
16	MRI-assisted dual motion correction for myocardial perfusion defect detection in PET imaging. <i>Medical Physics</i> , 2017, 44, 4536-4547.	3.0	12
17	Quantitative study of cardiac motion estimation and abnormality classification in emission computed tomography. <i>Medical Engineering and Physics</i> , 2011, 33, 563-572.	1.7	10
18	Bayesian PET image reconstruction incorporating anato-functional joint entropy. , 2008, , .		9

#	ARTICLE	IF	CITATIONS
19	Resolution modeled PET image reconstruction incorporating space-variance of positron range: Rubidium-82 cardiac PET imaging. , 2008, , .		9
20	Improved myocardial perfusion PET imaging using artificial neural networks. Physics in Medicine and Biology, 2020, 65, 145010.	3.0	7
21	Direct 4D parametric image reconstruction with plasma input and reference tissue models in reversible binding imaging. , 2009, , .		6
22	Prediction of outcome in Parkinsonâ€™s disease patients from DAT SPECT images using a convolutional neural network. , 2018, , .		6
23	Direct 4D reconstruction of parametric images incorporating anato-functional joint entropy. , 2008, , .		5
24	Anatomy assisted MAP-EM PET image reconstruction incorporating joint entropies of wavelet subband image pairs. , 2009, , .		5
25	Comparison of 3D OS-EM and 4D MAP-RBI-EM Reconstruction Algorithms for Cardiac Motion Abnormality Classification Using a Motion Observer. IEEE Transactions on Nuclear Science, 2010, 57, 2571-2577.	2.0	5
26	Enhancing ejection fraction measurement through 4D respiratory motion compensation in cardiac PET imaging. Physics in Medicine and Biology, 2017, 62, 4496-4513.	3.0	5
27	Effect of MR truncation compensation on quantitative PET image reconstruction for whole-body PET/MR. , 2011, , .		3
28	MRI assisted motion correction in dual-gated 5D myocardial perfusion PET imaging. , 2012, , .		3
29	MRI guided myocardial perfusion PET image reconstruction. , 2013, , .		2
30	Optimization of Rb-82 PET acquisition and reconstruction protocols for myocardial perfusion defect detection. , 2008, , .		1
31	Enhancing Bayesian PET image reconstruction using neural networks. , 2017, , .		1
32	Learning-Based Attenuation Correction for Brain PET/MRI Using Artificial Neural Networks. , 2017, , .		1
33	Improved myocardial perfusion PET imaging with MRI assisted reconstruction incorporating multi-resolution joint entropy. Physics in Medicine and Biology, 2018, 63, 175017.	3.0	1
34	Dictionary learning constrained direct parametric estimation in dynamic myocardial perfusion PET. IEEE Transactions on Medical Imaging, 2021, 40, 1-1.	8.9	1
35	Cardiac Motion Estimation from Gated Emission Computed Tomography Images. , 2006, , .		0
36	Cluster-based priors for MAP PET image reconstruction. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
37	Performance evaluation of the Inveon PET scanner using GATE based on the NEMA NU-4 standards. , 2013, , .		0
38	Anatomy-guided brain PET imaging incorporating a joint prior model. , 2014, , .		0
39	Improved myocardial perfusion PET imaging with MRI learned dictionaries. , 2014, , .		0
40	Anatomy-assisted direct parametric PET imaging for myocardial blood flow abnormality detection. , 2015, , .		0