

# Tinsu Pan

## List of Publications by Year in descending order

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57  
papers

1,805  
citations

471477

17  
h-index

265191

42  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1734  
citing authors

#	ARTICLE	IF	CITATIONS
1	Respiration-averaged CT versus standard CT attenuation map for correction of 18F-sodium fluoride uptake in coronary atherosclerotic lesions on hybrid PET/CT. Journal of Nuclear Cardiology, 2022, 29, 430-439.	2.1	17
2	Noise reduction profile: A new method for evaluation of noise reduction techniques in CT. Medical Physics, 2022, 49, 186-200.	3.0	10
3	Data-driven gated CT: An automated respiratory gating method to enable data-driven gated PET/CT. Medical Physics, 2022, 49, 3597-3611.	3.0	5
4	Impact of pixel value truncation on image quality of low dose chest CT. Medical Physics, 2022, , .	3.0	0
5	Impact of acquisition time and misregistration with CT on data-driven gated PET. Physics in Medicine and Biology, 2022, 67, 085012.	3.0	3
6	Comparison of ejection fraction calculation between CT and SPECT at high heart rate: A dynamic cardiac phantom study. Journal of Nuclear Cardiology, 2021, 28, 311-316.	2.1	4
7	New Data-Driven Gated PET/CT Free of Misregistration Artifacts. International Journal of Radiation Oncology Biology Physics, 2021, 109, 1638-1646.	0.8	11
8	Technical Note: Scanner dependence of adaptive statistical iterative reconstruction with 3D noise power spectrum central frequency and noise magnitude ratios. Medical Physics, 2021, 48, 4993-5003.	3.0	2
9	Data-driven gated PET/CT: implications for lesion segmentation and quantitation. EJNMMI Physics, 2021, 8, 64.	2.7	9
10	Radiomic Phenotypes of High and Low Lesion SUV Components for the Prediction of Refractory Disease in Hodgkin's Lymphoma Patients Treated with ABVD Based Therapy. Blood, 2021, 138, 3996-3996.	1.4	0
11	Optimization of reconstruction and quantification of motion-corrected coronary PET-CT. Journal of Nuclear Cardiology, 2020, 27, 494-504.	2.1	43
12	Technical Note: Impact on central frequency and noise magnitude ratios by advanced CT image reconstruction techniques. Medical Physics, 2020, 47, 480-487.	3.0	23
13	Pitfalls in quantitative myocardial PET perfusion I: Myocardial partial volume correction. Journal of Nuclear Cardiology, 2020, 27, 386-396.	2.1	9
14	Comparison of enhancement quantification from virtual unenhanced images to true unenhanced images in multiphase renal Dual-Energy computed tomography: A phantom study. Journal of Applied Clinical Medical Physics, 2019, 20, 171-179.	1.9	4
15	Performance evaluation of the 5-ring GE Discovery MI PET/CT system using the national electrical manufacturers association NU 2012 Standard. Medical Physics, 2019, 46, 3025-3033.	3.0	78
16	Correlation of fluorine 18-labeled sodium fluoride uptake and arterial calcification on whole-body PET/CT in cancer patients. Nuclear Medicine Communications, 2019, 40, 604-610.	1.1	2
17	Potential effects of low-dose average CT on cardiac implantable electronic devices. Journal of Nuclear Cardiology, 2019, 26, 1161-1165.	2.1	1
18	Data-driven motion correction will replace motion-tracking devices in molecular imaging-guided radiation therapy treatment planning. Medical Physics, 2018, 45, 3477-3480.	3.0	2

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19	Medical imaging data in the digital innovation age. Medical Physics, 2018, 45, e40-e52.	3.0	13
20	A 4D global respiratory motion model of the thorax based on <scp>CT</scp> images: A proof of concept. Medical Physics, 2018, 45, 3043-3051.	3.0	11
21	Association of lung fluorodeoxyglucose uptake with radiation pneumonitis after concurrent chemoradiation for non-small cell lung cancer. Clinical and Translational Radiation Oncology, 2017, 4, 1-7.	1.7	10
22	Target volume and artifact evaluation of a new data-driven 4D CT. Practical Radiation Oncology, 2017, 7, e345-e354.	2.1	11
23	Cardiac atlas development and validation for automatic segmentation of cardiac substructures. Radiotherapy and Oncology, 2017, 122, 66-71.	0.6	76
24	Iterative volume of interest based 4D cone-beam <scp>CT</scp>. Medical Physics, 2017, 44, 6515-6528.	3.0	3
25	New prospective 4D-CT for mitigating the effects of irregular respiratory motion. Physics in Medicine and Biology, 2017, 62, N350-N361.	3.0	12
26	Recent Advances and Future Progress in PET Instrumentation. Seminars in Nuclear Medicine, 2016, 46, 5-19.	4.6	147
27	Evaluation of intrinsic respiratory signal determination methods for 4D CBCT adapted for mice. Medical Physics, 2015, 42, 154-164.	3.0	2
28	Internal respiratory surrogate in multislice 4D CT using a combination of Fourier transform and anatomical features. Medical Physics, 2015, 42, 4338-4348.	3.0	5
29	A Pilot Evaluation of a 4-Dimensional Cone-Beam Computed Tomographic Scheme Based on Simultaneous Motion Estimation and Image Reconstruction. International Journal of Radiation Oncology Biology Physics, 2015, 91, 410-418.	0.8	17
30	Preliminary clinical evaluation of a 4D-CBCT estimation technique using prior information and limited-angle projections. Radiotherapy and Oncology, 2015, 115, 22-29.	0.6	48
31	Motion of the Esophagus Due to Cardiac Motion. PLoS ONE, 2014, 9, e89126.	2.5	18
32	Biomedical Imaging: Role and Opportunities of Medical Imaging in the "Omics" Era. BioMed Research International, 2014, 2014, 1-2.	1.9	3
33	Upright cone beam CT imaging using the onboard imager. Medical Physics, 2014, 41, 061906.	3.0	9
34	A hybrid reconstruction algorithm for fast and accurate 4D cone-beam CT imaging. Medical Physics, 2014, 41, 071903.	3.0	33
35	New weighted maximum-intensity-projection images from cine CT for delineation of the lung tumor plus motion. Medical Physics, 2013, 40, 061901.	3.0	5
36	Attenuation Correction Strategies for Positron Emission Tomography/Computed Tomography and 4-Dimensional Positron Emission Tomography/Computed Tomography. PET Clinics, 2013, 8, 37-50.	3.0	8

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37	Recent Advances in Hybrid Imaging for Radiation Therapy Planning: The Cutting Edge. PET Clinics, 2011, 6, 207-226.	3.0	2
38	Shifted Helical Computed Tomography to Optimize Cardiac Positron Emission Tomography—Computed Tomography Coregistration: Quantitative Improvement and Limitations. Molecular Imaging, 2010, 9, 7290.2010.00015.	1.4	5
39	Implementation of an Automated Respiratory Amplitude Gating Technique for PET/CT: Clinical Evaluation. Journal of Nuclear Medicine, 2010, 51, 16-24.	5.0	66
40	An investigation of 4D cone-beam CT algorithms for slowly rotating scanners. Medical Physics, 2010, 37, 5044-5053.	3.0	74
41	A 2D-spline patient specific model for use in radiation therapy. , 2009, , .		7
42	Implementation and optimization of a new Super-Resolution technique in PET imaging. , 2009, , .		2
43	A comparison of 4D cone-beam CT algorithms for slowly rotating scanners. , 2009, , .		0
44	Cine Computed Tomography Without Respiratory Surrogate in Planning Stereotactic Radiotherapy for Non—Small-Cell Lung Cancer. International Journal of Radiation Oncology Biology Physics, 2009, 73, 433-441.	0.8	27
45	Voxel-based reconstruction combined with motion detection for slow rotating 4D CBCT. , 2008, , .		2
46	PET/CT will become standard practice for radiotherapy simulation and planning. Medical Physics, 2008, 35, 3825-3827.	3.0	1
47	PET/CT in radiation oncology. Medical Physics, 2008, 35, 4955-4966.	3.0	35
48	Analysis of the dependence of PET/CT quantification on iterative reconstruction parameters. , 2007, , .		2
49	Improvement of the cine-CT based 4D-CT imaging. Medical Physics, 2007, 34, 4499-4503.	3.0	70
50	Quantitative assessment of four-dimensional computed tomography image acquisition quality. Journal of Applied Clinical Medical Physics, 2007, 8, 1-20.	1.9	27
51	Attenuation correction of PET cardiac data with low-dose average CT in PET/CT. Medical Physics, 2006, 33, 3931-3938.	3.0	99
52	Attenuation correction of PET images with respiration-averaged CT images in PET/CT. Journal of Nuclear Medicine, 2005, 46, 1481-7.	5.0	164
53	4D-CT imaging of a volume influenced by respiratory motion on multi-slice CT. Medical Physics, 2004, 31, 333-340.	3.0	544
54	Segmentation of contrast enhanced CT images for attenuation correction of PET/CT data. , 0, , .		16

#	ARTICLE	IF	CITATIONS
55	Investigation of Respiration Motion of the Heart Based on Semi-Automated Segmentation and Modeling of Respiratory-Gated CT Data. , 0, , .		4
56	Investigating the Optimum Lower Energy Threshold of a New Research PET/CT Scanner. , 0, , .		0
57	Anatomical validation of automatic respiratory motion correction for coronary 18Fâ€sodium fluoride positron emission tomography by expert measurements from fourâ€dimensional computed tomography. Medical Physics, 0, , .	3.0	4