Jinsong Ouyang

List of Publications by Year
in descending order

33 papers	687 citations	687363 13 h-index	552781 26 g-index
33 all docs	33 docs citations	33 times ranked	716 citing authors

#	Article	IF	Citations
1	Investigation of a Model-Based Time-Over-Threshold Technique for Phoswich Crystal Discrimination. IEEE Transactions on Radiation and Plasma Medical Sciences, 2022, 6, 393-403.	3.7	2
2	Impact of reconstruction parameters on lesion detection and localization in joint ictal/inter-ictal SPECT reconstruction. Annals of Nuclear Medicine, 2022, 36, 24-32.	2.2	2
3	Quantitative PET in the 2020s: a roadmap. Physics in Medicine and Biology, 2021, 66, 06RM01.	3.0	36
4	Detecting lumbar lesions in ^{99m}Tcâ€MDP SPECT by deep learning: Comparison with physicians. Medical Physics, 2021, 48, 4249-4261.	3.0	3
5	PET imaging of neurotransmission using direct parametric reconstruction. NeuroImage, 2020, 221, 117154.	4.2	1
6	Dependence of fluorodeoxyglucose (FDG) uptake on cell cycle and dry mass: a single-cell study using a multi-modal radiography platform. Scientific Reports, 2020, 10, 4280.	3.3	7
7	MRâ€based PET attenuation correction using a combined ultrashort echo time/multiâ€echo Dixon acquisition. Medical Physics, 2020, 47, 3064-3077.	3.0	12
8	Motion correction for PET data using subspace-based real-time MR imaging in simultaneous PET/MR. Physics in Medicine and Biology, 2020, 65, 235022.	3.0	11
9	Joint Direct Parametric Reconstruction for Pet Receptor Occupancy Mapping. , 2020, , .		0
10	Body motion detection and correction in cardiac PET: Phantom and human studies. Medical Physics, 2019, 46, 4898-4906.	3.0	14
11	MR-based motion correction for cardiac PET parametric imaging: a simulation study. EJNMMI Physics, 2018, 5, 3.	2.7	4
12	Joint reconstruction of Ictal/inter-ictal SPECT data for improved epileptic foci localization. Medical Physics, 2017, 44, 1437-1444.	3.0	6
13	Impact of motion and partial volume effects correction on PET myocardial perfusion imaging using simultaneous PET-MR. Physics in Medicine and Biology, 2017, 62, 326-343.	3.0	31
14	SPECT/CT. Imaging in Medical Diagnosis and Therapy, 2017, , 369-378.	0.0	0
15	Numerical observer for atherosclerotic plaque classification in spectral computed tomography. Journal of Medical Imaging, 2016, 3, 035501.	1.5	4
16	Accelerated acquisition of tagged MRI for cardiac motion correction in simultaneous PETâ€MR: Phantom and patient studies. Medical Physics, 2015, 42, 1087-1097.	3.0	34
17	Myocardial Defect Detection Using PET-CT: Phantom Studies. PLoS ONE, 2014, 9, e88200.	2.5	7
18	Quantitative simultaneous positron emission tomography and magnetic resonance imaging. Journal of Medical Imaging, 2014, 1, 033502.	1.5	7

#	Article	IF	Citations
19	Effect of time-of-flight and point spread function modeling on detectability of myocardial defects in PET. Medical Physics, 2014, 41, 062502.	3.0	15
20	4D numerical observer for lesion detection in respiratoryâ€gated PET. Medical Physics, 2014, 41, 102504.	3.0	3
21	Motion compensation for brain PET imaging using wireless MR active markers in simultaneous PETâ€“MR: Phantom and non-human primate studies. NeuroImage, 2014, 91, 129-137.	4.2	33
22	MRâ€based motion correction for PET imaging using wired active MR microcoils in simultaneous PETâ€MR: Phantom study. Medical Physics, 2014, 41, 041910.	3.0	28
23	Relative role of motion and PSF compensation in wholeâ€body oncologic PETâ€MR imaging. Medical Physics, 2014, 41, 042503.	3.0	35
24	Bias Atlases for Segmentation-Based PET Attenuation Correction Using PET-CT and MR. IEEE Transactions on Nuclear Science, 2013, 60, 3373-3382.	2.0	42
25	Magnetic Resonance-Based Motion Correction for Positron Emission Tomography Imaging. Seminars in Nuclear Medicine, 2013, 43, 60-67.	4.6	89
26	Simultaneous ^{99m}Tcâ€MDP/¹²³Iâ€MIBG tumor imaging using SPECTâ€CT: Phantom and constructed patient studies. Medical Physics, 2013, 40, 102506.	3.0	6
27	MRI-Based Nonrigid Motion Correction in Simultaneous PET/MRI. Journal of Nuclear Medicine, 2012, 53, 1284-1291.	5.0	165
28	Quantitative simultaneous cardiac SPECT using MCâ€JOSEM. Medical Physics, 2009, 36, 602-611.	3.0	20
29	Improved activity estimation with MC-JOSEM versus TEW-JOSEM in In111 SPECT. Medical Physics, 2008, 35, 2029-2040.	3.0	11
30	Fast Monte Carlo based joint iterative reconstruction for simultaneous Tc99mâˆ•I123 SPECT imaging. Medical Physics, 2007, 34, 3263-3272.	3.0	37
31	Monte Carlo-based compensation for patient scatter, detector scatter, and crosstalk contamination in In-111 SPECT imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 569, 472-476.	1.6	18
32	Fast Monte Carlo Simulation Based Joint Iterative Reconstruction for Simultaneous 99mTc/123I Brain SPECT Imaging. , 2006, , .		2
33	Fast Monte Carlo Estimation of Patient and Detector Scatter and Crosstalk Contamination in SPECT Imaging. , 0, , .		2