

# Jinsong Ouyang

## List of Publications by Year in descending order

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papers

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citations

687220

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docs citations

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times ranked

716  
citing authors

#	ARTICLE	IF	CITATIONS
1	MRI-Based Nonrigid Motion Correction in Simultaneous PET/MRI. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1284-1291.	2.8	165
2	Magnetic Resonance-Based Motion Correction for Positron Emission Tomography Imaging. <i>Seminars in Nuclear Medicine</i> , 2013, 43, 60-67.	2.5	89
3	Bias Atlases for Segmentation-Based PET Attenuation Correction Using PET-CT and MR. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 3373-3382.	1.2	42
4	Fast Monte Carlo based joint iterative reconstruction for simultaneous Tc99m-1123 SPECT imaging. <i>Medical Physics</i> , 2007, 34, 3263-3272.	1.6	37
5	Quantitative PET in the 2020s: a roadmap. <i>Physics in Medicine and Biology</i> , 2021, 66, 06RM01.	1.6	36
6	Relative role of motion and PSF compensation in whole-body oncologic PET-MR imaging. <i>Medical Physics</i> , 2014, 41, 042503.	1.6	35
7	Accelerated acquisition of tagged MRI for cardiac motion correction in simultaneous PET-MR: Phantom and patient studies. <i>Medical Physics</i> , 2015, 42, 1087-1097.	1.6	34
8	Motion compensation for brain PET imaging using wireless MR active markers in simultaneous PET-MR: Phantom and non-human primate studies. <i>NeuroImage</i> , 2014, 91, 129-137.	2.1	33
9	Impact of motion and partial volume effects correction on PET myocardial perfusion imaging using simultaneous PET-MR. <i>Physics in Medicine and Biology</i> , 2017, 62, 326-343.	1.6	31
10	MR-based motion correction for PET imaging using wired active MR microcoils in simultaneous PET-MR: Phantom study. <i>Medical Physics</i> , 2014, 41, 041910.	1.6	28
11	Quantitative simultaneous cardiac SPECT using MC-JOSEM. <i>Medical Physics</i> , 2009, 36, 602-611.	1.6	20
12	Monte Carlo-based compensation for patient scatter, detector scatter, and crosstalk contamination in In-111 SPECT imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 569, 472-476.	0.7	18
13	Effect of time-of-flight and point spread function modeling on detectability of myocardial defects in PET. <i>Medical Physics</i> , 2014, 41, 062502.	1.6	15
14	Body motion detection and correction in cardiac PET: Phantom and human studies. <i>Medical Physics</i> , 2019, 46, 4898-4906.	1.6	14
15	MR-based PET attenuation correction using a combined ultrashort echo time/multi-echo Dixon acquisition. <i>Medical Physics</i> , 2020, 47, 3064-3077.	1.6	12
16	Improved activity estimation with MC-JOSEM versus TEW-JOSEM in In111 SPECT. <i>Medical Physics</i> , 2008, 35, 2029-2040.	1.6	11
17	Motion correction for PET data using subspace-based real-time MR imaging in simultaneous PET/MR. <i>Physics in Medicine and Biology</i> , 2020, 65, 235022.	1.6	11
18	Myocardial Defect Detection Using PET-CT: Phantom Studies. <i>PLoS ONE</i> , 2014, 9, e88200.	1.1	7

#	ARTICLE	IF	CITATIONS
19	Quantitative simultaneous positron emission tomography and magnetic resonance imaging. Journal of Medical Imaging, 2014, 1, 033502.	0.8	7
20	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.	1.6	7
21	Simultaneous <sup>99m</sup> Tcâ€MDP/ <sup>123</sup> Iâ€MIBG tumor imaging using SPECTâ€CT: Phantom and constructed patient studies. Medical Physics, 2013, 40, 102506.	1.6	6
22	Joint reconstruction of ictal/inter-ictal SPECT data for improved epileptic foci localization. Medical Physics, 2017, 44, 1437-1444.	1.6	6
23	Numerical observer for atherosclerotic plaque classification in spectral computed tomography. Journal of Medical Imaging, 2016, 3, 035501.	0.8	4
24	MR-based motion correction for cardiac PET parametric imaging: a simulation study. EJNMMI Physics, 2018, 5, 3.	1.3	4
25	4D numerical observer for lesion detection in respiratoryâ€gated PET. Medical Physics, 2014, 41, 102504.	1.6	3
26	Detecting lumbar lesions in <sup>99m</sup> Tcâ€MDP SPECT by deep learning: Comparison with physicians. Medical Physics, 2021, 48, 4249-4261.	1.6	3
27	Fast Monte Carlo Estimation of Patient and Detector Scatter and Crosstalk Contamination in SPECT Imaging. , 0, , .		2
28	Fast Monte Carlo Simulation Based Joint Iterative Reconstruction for Simultaneous <sup>99m</sup> Tc/ <sup>123</sup> I Brain SPECT Imaging. , 2006, , .		2
29	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.	2.7	2
30	Impact of reconstruction parameters on lesion detection and localization in joint ictal/inter-ictal SPECT reconstruction. Annals of Nuclear Medicine, 2022, 36, 24-32.	1.2	2
31	PET imaging of neurotransmission using direct parametric reconstruction. NeuroImage, 2020, 221, 117154.	2.1	1
32	SPECT/CT. Imaging in Medical Diagnosis and Therapy, 2017, , 369-378.	0.0	0
33	Joint Direct Parametric Reconstruction for Pet Receptor Occupancy Mapping. , 2020, , .		0