

Chih-Chieh Liu

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

474
citations

1162367

8
h-index

996533

15
g-index

18
all docs

18
docs citations

18
times ranked

835
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous PET-MRI reveals brain function in activated and resting state on metabolic, hemodynamic and multiple temporal scales. <i>Nature Medicine</i> , 2013, 19, 1184-1189.	15.2	152
2	PET Image Denoising Using a Deep Neural Network Through Fine Tuning. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2019, 3, 153-161.	2.7	148
3	Higher SNR PET image prediction using a deep learning model and MRI image. <i>Physics in Medicine and Biology</i> , 2019, 64, 115004.	1.6	51
4	Shine-Through in PET/MR Imaging: Effects of the Magnetic Field on Positron Range and Subsequent Image Artifacts. <i>Journal of Nuclear Medicine</i> , 2015, 56, 951-954.	2.8	26
5	Design and evaluation of gapless curved scintillator arrays for simultaneous high-resolution and high-sensitivity brain PET. <i>Physics in Medicine and Biology</i> , 2019, 64, 235004.	1.6	15
6	Dose image prediction for range and width verifications from carbon ion-induced secondary electron bremsstrahlung x-rays using deep learning workflow. <i>Medical Physics</i> , 2020, 47, 3520-3532.	1.6	15
7	Partial-ring PET image restoration using a deep learning based method. <i>Physics in Medicine and Biology</i> , 2019, 64, 225014.	1.6	14
8	A deep learning approach for converting prompt gamma images to proton dose distributions: A Monte Carlo simulation study. <i>Physica Medica</i> , 2020, 69, 110-119.	0.4	12
9	Generation of Brain Dual-Energy CT from Single-Energy CT Using Deep Learning. <i>Journal of Digital Imaging</i> , 2021, 34, 149-161.	1.6	9
10	Improving edge crystal identification in flood histograms using triangular shape crystals. <i>Biomedical Physics and Engineering Express</i> , 2018, 4, 025031.	0.6	6
11	A low-count reconstruction algorithm for Compton-based prompt gamma imaging. <i>Physics in Medicine and Biology</i> , 2018, 63, 085013.	1.6	5
12	A general-threshold filtering method for improving intravoxel incoherent motion parameter estimates. <i>Physics in Medicine and Biology</i> , 2018, 63, 175008.	1.6	5
13	Indirect methods for improving parameter estimation of PET kinetic models. <i>Medical Physics</i> , 2019, 46, 1777-1784.	1.6	5
14	Performance evaluation of dual-ended readout PET detectors based on BGO arrays with different reflector arrangements. <i>Physics in Medicine and Biology</i> , 2021, 66, 215001.	1.6	5
15	PET Image Denoising Using Deep Neural Network. , 2017, , .		4
16	Effects of MR-invisible objects and object attenuation on PET quantification in small animal PET/MR imaging. , 2013, , .		1
17	SU-FF-I-65: A Diagnostic X-Ray Simulator for Out-Patient-Department Examinations. <i>Medical Physics</i> , 2005, 32, 1918-1919.	1.6	1
18	Co-localization of fluorescent signals using deep learning with Manders overlapping coefficient. , 2021, 11596, .		0