

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
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996533

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18
all docs

18
docs citations

18
times ranked

835
citing authors

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