

Hsuan-Ming Huang

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

328
citations

840585

11
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940416

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all docs

40
docs citations

40
times ranked

477
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous Denoising of Dynamic PET Images Based on Deep Image Prior. <i>Journal of Digital Imaging</i> , 2022, 35, 834-845.	1.6	3
2	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
3	Monte Carlo evaluation of a LYSO-based Compton camera using two origin ensemble algorithms with resolution recovery. <i>Medical Physics</i> , 2021, 48, 5300-5310.	1.6	4
4	Dynamic PET reconstruction using the kernel method with non-local means denoising. <i>Biomedical Signal Processing and Control</i> , 2021, 68, 102673.	3.5	6
5	Unsupervised deep learning based image outpainting for dual-source, dual-energy computed tomography. <i>Radiation Physics and Chemistry</i> , 2021, 188, 109635.	1.4	3
6	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
7	Denoising of multi b-value diffusion-weighted MR images using deep image prior. <i>Physics in Medicine and Biology</i> , 2020, 65, 105003.	1.6	18
8	Reliable estimation of brain intravoxel incoherent motion parameters using denoised diffusion-weighted MRI. <i>NMR in Biomedicine</i> , 2020, 33, e4249.	1.6	2
9	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
10	Kernel-based curve-fitting method with spatial regularization for generation of parametric images in dynamic PET. <i>Physics in Medicine and Biology</i> , 2020, 65, 225006.	1.6	2
11	Development of a Dual-Energy Computed Tomography-Based Segmentation Method for Collateral Ligaments: A Porcine Knee Model. <i>Journal of Medical and Biological Engineering</i> , 2019, 39, 96-101.	1.0	2
12	Noise reduction in dual-energy computed tomography virtual monoenergetic imaging. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 104-113.	0.8	5
13	A kernel-based image denoising method for improving parametric image generation. <i>Medical Image Analysis</i> , 2019, 55, 41-48.	7.0	9
14	Indirect methods for improving parameter estimation of PET kinetic models. <i>Medical Physics</i> , 2019, 46, 1777-1784.	1.6	5
15	A low-count reconstruction algorithm for Compton-based prompt gamma imaging. <i>Physics in Medicine and Biology</i> , 2018, 63, 085013.	1.6	5
16	PSF reconstruction for Compton-based prompt gamma imaging. <i>Physics in Medicine and Biology</i> , 2018, 63, 035015.	1.6	17
17	Accuracy of using high-energy prompt gamma to verify proton beam range with a Compton camera: A Monte Carlo simulation study. <i>Applied Radiation and Isotopes</i> , 2018, 142, 173-180.	0.7	1
18	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

#	ARTICLE	IF	CITATIONS
19	Total variation-based method for generation of intravoxel incoherent motion parametric images in ¹H MRI. Magnetic Resonance in Medicine, 2017, 78, 1383-1391.	1.9	8
20	Use of a LYSO-based Compton camera for prompt gamma range verification in proton therapy. Medical Physics, 2017, 44, 6261-6269.	1.6	17
21	Combining Acceleration Techniques for Low-Dose X-Ray Cone Beam Computed Tomography Image Reconstruction. BioMed Research International, 2017, 2017, 1-10.	0.9	0
22	Formation of T2 - mapping using mixed-effects model. , 2016, , .		0
23	Accelerating an Ordered-Subset Low-Dose X-Ray Cone Beam Computed Tomography Image Reconstruction with a Power Factor and Total Variation Minimization. PLoS ONE, 2016, 11, e0153421.	1.1	11
24	Accuracy of dual-energy computed tomography for the quantification of iodine in a soft tissue-mimicking phantom. Journal of Applied Clinical Medical Physics, 2015, 16, 418-426.	0.8	20
25	Acceleration of MAP-EM algorithm via over-relaxation. Computerized Medical Imaging and Graphics, 2015, 40, 100-107.	3.5	2
26	Effective Anatomical Priors for Emission Tomographic Reconstruction. Journal of Medical and Biological Engineering, 2015, 35, 52-61.	1.0	5
27	Human radiation dosimetry of ¹⁸ F-FDG predicted from preclinical studies. Medical Physics, 2014, 41, 031910.	1.6	1
28	Assessment of hepatic fatty infiltration using dual-energy computed tomography: a phantom study. Physiological Measurement, 2014, 35, 597-606.	1.2	19
29	Pushing CT and MR Imaging to the Molecular Level for Studying the -Omicron- Current Challenges and Advancements. BioMed Research International, 2014, 2014, 1-17.	0.9	8
30	Hyperglycemia-induced stimulation of glucose transport in skeletal muscle measured by PET- ¹⁸ F-FDG and ¹⁸ F-2FDG. Physiological Measurement, 2012, 33, 1661-1673.	1.2	4
31	Use of anatomical information in a Bayesian reconstruction with an edge-preserving median prior. , 2012, , .		1
32	Analysis of metabolism of 6FDG: a PET glucose transport tracer. Nuclear Medicine and Biology, 2011, 38, 667-674.	0.3	5
33	A new Michaelis-Menten-based kinetic model for transport and phosphorylation of glucose and its analogs in skeletal muscle. Medical Physics, 2011, 38, 4587-4599.	1.6	8
34	Imaging of Flow Patterns with Fluorescent Molecular Rotors. Journal of Fluorescence, 2010, 20, 1087-1098.	1.3	25
35	Integrated Software Environment Based on COMKAT for Analyzing Tracer Pharmacokinetics with Molecular Imaging. Journal of Nuclear Medicine, 2010, 51, 77-84.	2.8	20
36	Myocardial insulin resistance induced by high fat feeding in heart failure is associated with preserved contractile function. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H1917-H1927.	1.5	38

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37	An accelerated ordered subsets reconstruction algorithm using an accelerating power factor for emission tomography. <i>Physics in Medicine and Biology</i> , 2010, 55, 599-614.	1.6	13
38	Fast Optical Transillumination Tomography with Large-Size Projection Acquisition. <i>Annals of Biomedical Engineering</i> , 2008, 36, 1699-1707.	1.3	0
39	A voxel-based partial volume correction in nuclear medicine. , 2006, , .		0
40	The Investigation on Emission Reconstruction on Fewer View Projections for Brain SPECT Imaging. , 0, , .		0