

# 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  
h-index

940416

16  
g-index

40  
all docs

40  
docs citations

40  
times ranked

477  
citing authors

#	ARTICLE	IF	CITATIONS
1	Myocardial insulin resistance induced by high fat feeding in heart failure is associated with preserved contractile function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H1917-H1927.	1.5	38
2	Imaging of Flow Patterns with Fluorescent Molecular Rotors. <i>Journal of Fluorescence</i> , 2010, 20, 1087-1098.	1.3	25
3	Integrated Software Environment Based on COMKAT for Analyzing Tracer Pharmacokinetics with Molecular Imaging. <i>Journal of Nuclear Medicine</i> , 2010, 51, 77-84.	2.8	20
4	Accuracy of dual-energy computed tomography for the quantification of iodine in a soft tissue-mimicking phantom. <i>Journal of Applied Clinical Medical Physics</i> , 2015, 16, 418-426.	0.8	20
5	Assessment of hepatic fatty infiltration using dual-energy computed tomography: a phantom study. <i>Physiological Measurement</i> , 2014, 35, 597-606.	1.2	19
6	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
7	Use of a LYSO-based Compton camera for prompt gamma range verification in proton therapy. <i>Medical Physics</i> , 2017, 44, 6261-6269.	1.6	17
8	PSF reconstruction for Compton-based prompt gamma imaging. <i>Physics in Medicine and Biology</i> , 2018, 63, 035015.	1.6	17
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	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
11	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
12	Accelerating an Ordered-Subset Low-Dose X-Ray Cone Beam Computed Tomography Image Reconstruction with a Power Factor and Total Variation Minimization. <i>PLoS ONE</i> , 2016, 11, e0153421.	1.1	11
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	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
15	A new Michaelis-Menten-based kinetic model for transport and phosphorylation of glucose and its analogs in skeletal muscle. <i>Medical Physics</i> , 2011, 38, 4587-4599.	1.6	8
16	Pushing CT and MR Imaging to the Molecular Level for Studying the Omics: Current Challenges and Advancements. <i>BioMed Research International</i> , 2014, 2014, 1-17.	0.9	8
17	Total variation-based method for generation of intravoxel incoherent motion parametric images in MRI. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1383-1391.	1.9	8
18	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

#	ARTICLE	IF	CITATIONS
19	Analysis of metabolism of 6FDG: a PET glucose transport tracer. Nuclear Medicine and Biology, 2011, 38, 667-674.	0.3	5
20	Effective Anatomical Priors for Emission Tomographic Reconstruction. Journal of Medical and Biological Engineering, 2015, 35, 52-61.	1.0	5
21	A low-count reconstruction algorithm for Compton-based prompt gamma imaging. Physics in Medicine and Biology, 2018, 63, 085013.	1.6	5
22	A general-threshold filtering method for improving intravoxel incoherent motion parameter estimates. Physics in Medicine and Biology, 2018, 63, 175008.	1.6	5
23	Noise reduction in dual-energy computed tomography virtual monoenergetic imaging. Journal of Applied Clinical Medical Physics, 2019, 20, 104-113.	0.8	5
24	Indirect methods for improving parameter estimation of PET kinetic models. Medical Physics, 2019, 46, 1777-1784.	1.6	5
25	Hyperglycemia-induced stimulation of glucose transport in skeletal muscle measured by PET- $^{18}\text{F}$ FDG and $^{18}\text{F}$ 2FDG. Physiological Measurement, 2012, 33, 1661-1673.	1.2	4
26	Monte Carlo evaluation of a LYSO-based Compton camera using two origin ensemble algorithms with resolution recovery. Medical Physics, 2021, 48, 5300-5310.	1.6	4
27	Unsupervised deep learning based image outpainting for dual-source, dual-energy computed tomography. Radiation Physics and Chemistry, 2021, 188, 109635.	1.4	3
28	Simultaneous Denoising of Dynamic PET Images Based on Deep Image Prior. Journal of Digital Imaging, 2022, 35, 834-845.	1.6	3
29	Acceleration of MAP-EM algorithm via over-relaxation. Computerized Medical Imaging and Graphics, 2015, 40, 100-107.	3.5	2
30	Development of a Dual-Energy Computed Tomography-Based Segmentation Method for Collateral Ligaments: A Porcine Knee Model. Journal of Medical and Biological Engineering, 2019, 39, 96-101.	1.0	2
31	Reliable estimation of brain intravoxel incoherent motion parameters using denoised diffusion-weighted MRI. NMR in Biomedicine, 2020, 33, e4249.	1.6	2
32	Kernel-based curve-fitting method with spatial regularization for generation of parametric images in dynamic PET. Physics in Medicine and Biology, 2020, 65, 225006.	1.6	2
33	Use of anatomical information in a Bayesian reconstruction with an edge-preserving median prior. , 2012, , .		1
34	Human radiation dosimetry of $^{18}\text{F}$ FDG predicted from preclinical studies. Medical Physics, 2014, 41, 031910.	1.6	1
35	Accuracy of using high-energy prompt gamma to verify proton beam range with a Compton camera: A Monte Carlo simulation study. Applied Radiation and Isotopes, 2018, 142, 173-180.	0.7	1
36	The Investigation on Emission Reconstruction on Fewer View Projections for Brain SPECT Imaging. , , .		0

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37	A voxel-based partial volume correction in nuclear medicine. , 2006, , .		0
38	Fast Optical Transillumination Tomography with Large-Size Projection Acquisition. Annals of Biomedical Engineering, 2008, 36, 1699-1707.	1.3	0
39	Formation of T2 $\hat{=}$ mapping using mixed-effects model. , 2016, , .		0
40	Combining Acceleration Techniques for Low-Dose X-Ray Cone Beam Computed Tomography Image Reconstruction. BioMed Research International, 2017, 2017, 1-10.	0.9	0