

# Ching-Han Hsu

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44  
papers

545  
citations

11  
h-index

22  
g-index

48  
ext. papers

619  
ext. citations

3.2  
avg, IF

3.39  
L-index

#	Paper	IF	Citations
44	Fully 3D Bayesian image reconstruction for the ECAT EXACT HR+. <i>IEEE Transactions on Nuclear Science</i> , <b>1998</b> , 45, 1096-1103	1.7	101
43	Zone-size nonuniformity of 18F-FDG PET regional textural features predicts survival in patients with oropharyngeal cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2015</b> , 42, 419-28	8.8	90
42	Visual Sensing for Urban Flood Monitoring. <i>Sensors</i> , <b>2015</b> , 15, 20006-29	3.8	69
41	Are dual-phase 18F-FDG PET scans necessary in nasopharyngeal carcinoma to assess the primary tumour and loco-regional nodes?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2005</b> , 32, 541-8	8.8	46
40	Cyber surveillance for flood disasters. <i>Sensors</i> , <b>2015</b> , 15, 2369-87	3.8	32
39	A large deformation diffeomorphic metric mapping solution for diffusion spectrum imaging datasets. <i>NeuroImage</i> , <b>2012</b> , 63, 818-34	7.9	32
38	Respiration-Averaged CT for Attenuation Correction of PET Images - Impact on PET Texture Features in Non-Small Cell Lung Cancer Patients. <i>PLoS ONE</i> , <b>2016</b> , 11, e0150509	3.7	18
37	Angiogenic evaluation of ginsenoside Rg 1 from Panax ginseng in fluorescent transgenic mice. <i>Vascular Pharmacology</i> , <b>2008</b> , 49, 37-43	5.9	15
36	Quantitative analysis of the therapeutic effect of magnolol on MPTP-induced mouse model of Parkinson's disease using in vivo 18F-9-fluoropropyl-(+)-dihydrotetrabenazine PET imaging. <i>PLoS ONE</i> , <b>2017</b> , 12, e0173503	3.7	15
35	Correction for susceptibility-induced distortion in echo-planar imaging using field maps and model-based point spread function. <i>IEEE Transactions on Medical Imaging</i> , <b>2009</b> , 28, 1850-7	11.7	13
34	A study of lesion contrast recovery for iterative PET image reconstructions versus filtered backprojection using an anthropomorphic thoracic phantom. <i>Computerized Medical Imaging and Graphics</i> , <b>2002</b> , 26, 119-27	7.6	13
33	Human breast tumor cells express multimodal imaging reporter genes. <i>Molecular Imaging and Biology</i> , <b>2008</b> , 10, 253-63	3.8	11
32	A maximum likelihood expectation maximization algorithm with thresholding. <i>Computerized Medical Imaging and Graphics</i> , <b>2005</b> , 29, 571-8	7.6	9
31	[F]FP-(+)-DTBZ PET study in a lactacystin-treated rat model of Parkinson disease. <i>Annals of Nuclear Medicine</i> , <b>2017</b> , 31, 506-513	2.5	8
30	Neonatal Death and Heart Failure in Mouse with Transgenic HSP60 Expression. <i>BioMed Research International</i> , <b>2015</b> , 2015, 539805	3	8
29	Novel scatter correction for three-dimensional positron emission tomography by use of a beam stopper device. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2005</b> , 551, 540-552	1.2	7
28	Dose estimation of the radiation workers in the SK cyclotron center using dual-TLD method. <i>Radiation Measurements</i> , <b>2010</b> , 45, 691-693	1.5	6

27	A geometric system model of finite aperture in small animal pinhole SPECT imaging. <i>Computerized Medical Imaging and Graphics</i> , <b>2006</b> , 30, 181-5	7.6	6
26	Cardiac fibrosis in mouse expressing DsRed tetramers involves chronic autophagy and proteasome degradation insufficiency. <i>Oncotarget</i> , <b>2016</b> , 7, 54274-54289	3.3	6
25	Evaluation of neutron spectra in the SK cyclotron room under different operation parameters. <i>Radiation Measurements</i> , <b>2011</b> , 46, 1745-1749	1.5	5
24	RU486-inducible recombination in the salivary glands of lactoferrin promoter-driven green fluorescent Cre transgenic mice. <i>Genesis</i> , <b>2010</b> , 48, 585-95	1.9	5
23	Scatter correction for 3D PET using beam stoppers combined with dual-energy window acquisition: a feasibility study. <i>Physics in Medicine and Biology</i> , <b>2005</b> , 50, 4593-607	3.8	5
22	A Novel Cell Irradiation System Using 90 <sup>circ</sup> -Scattering Technique. <i>IEEE Transactions on Nuclear Science</i> , <b>2011</b> , 58, 95-98	1.7	4
21	Uncertainty Comparison of Visual Sensing in Adverse Weather Conditions. <i>Sensors</i> , <b>2016</b> , 16,	3.8	4
20	Potential Use of Environmental Biological Samples for Retrospective Electron Paramagnetic Resonance Dosimetry of Radiation Accidents. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 6867	2.6	2
19	A Tri-fusion Reporter Mouse Reveals Tissue-Specific FGF1B Promoter Activity in vivo. <i>Scientific Reports</i> , <b>2019</b> , 9, 11143	4.9	2
18	A compact biological cell irradiation system with a Van de Graaff accelerator. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2013</b> , 315, 360-363	1.2	2
17	DNA double-strand breaks induced along the trajectory of particles. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2011</b> , 269, 3129-3131	1.2	2
16	Detection of experimentally induced pulmonary granuloma inflammation in monocyte chemoattractant protein-1 reporter mice. <i>Molecular Imaging and Biology</i> , <b>2010</b> , 12, 163-73	3.8	2
15	AN ADDITIVE POISSON DATA MODELING OF ATTENUATION MAP RECONSTRUCTION FROM POST-INJECTION POSITRON EMISSION TOMOGRAPHY TRANSMISSION SCAN. <i>Biomedical Engineering - Applications, Basis and Communications</i> , <b>2010</b> , 22, 177-184	0.6	1
14	System matrix based on sensitivity model for small animal multi-pinhole SPECT system <b>2010</b> ,		1
13	Effect of geometric models on convergence rate in iterative PET image reconstructions. <i>Journal of Instrumentation</i> , <b>2009</b> , 4, P05010-P05010	1	1
12	On the convergence of iterative ordered-subset algorithms in small animal PET <b>2008</b> ,		1
11	STATISTICAL POSITRON EMISSION TOMOGRAPHY IMAGE RECONSTRUCTION: SYSTEM GEOMETRIC MODELS AND ITERATIVE ALGORITHMS. <i>Biomedical Engineering - Applications, Basis and Communications</i> , <b>2002</b> , 14, 47-54	0.6	1
10	Finite aperture modeling in small animal pinhole SPECT imaging		1

9	Three corrections for overshoot effect improved the dose for step-and-shoot intensity-modulated radiation therapy. <i>PLoS ONE</i> , <b>2021</b> , 16, e0250243	3.7	1
8	An accurate and efficient system model of iterative image reconstruction in high-resolution pinhole SPECT for small animal research. <i>Journal of Instrumentation</i> , <b>2009</b> , 4, P06007-P06007	1	0
7	Development and efficacy testing of a new optically stimulated luminescence ring dosimeter and algorithm. <i>Radiation Measurements</i> , <b>2019</b> , 124, 109-115	1.5	
6	Fast iterative reconstruction for helical pinhole SPECT imaging. <i>Bio-Medical Materials and Engineering</i> , <b>2015</b> , 26 Suppl 1, S1371-80	1	
5	AN EFFICIENT SENSITIVITY CALCULATION OF TILTED APERTURES FOR PRECLINICAL MULTI-PINHOLE SPECT. <i>Biomedical Engineering - Applications, Basis and Communications</i> , <b>2015</b> , 27, 1550006	0.6	
4	AN INVESTIGATION OF GRADIENT-BASED RECONSTRUCTION ALGORITHMS FOR STATISTICAL PET TRANSMISSION IMAGING. <i>Biomedical Engineering - Applications, Basis and Communications</i> , <b>2003</b> , 15, 179-185	0.6	
3	A FULLY THREE-DIMENSIONAL BAYESIAN IMAGE RECONSTRUCTION FOR SMALL ANIMAL PINHOLE SPECT. <i>Biomedical Engineering - Applications, Basis and Communications</i> , <b>2004</b> , 16, 180-184	0.6	
2	Bayesian estimator for positron emission tomography imaging using a prior image model with mixed continuity constraints. <i>Journal of Electronic Imaging</i> , <b>2000</b> , 9, 260	0.7	
1	Cardiac Myopathy in Conditional Hsp60 Transgenic Mice. <i>Heat Shock Proteins</i> , <b>2019</b> , 209-223	0.2	