

# Chun-Chien Shieh

## List of Publications by Year in Descending Order

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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.

24  
papers

266  
citations

10  
h-index

15  
g-index

27  
ext. papers

337  
ext. citations

3.7  
avg, IF

3.11  
L-index

#	Paper	IF	Citations
24	MArkerless image Guidance using Intrafraction Kilovoltage x-ray imaging (MAGIK): study protocol for a phase I interventional study for lung cancer radiotherapy.. <i>BMJ Open</i> , <b>2022</b> , 12, e057135	3	
23	Pre-treatment and real-time image guidance for a fixed-beam radiotherapy system. <i>Physics in Medicine and Biology</i> , <b>2021</b> , 66, 064003	3.8	
22	Evaluating reconstruction algorithms for respiratory motion guided acquisition. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 175009	3.8	4
21	The first prospective implementation of markerless lung target tracking in an experimental quality assurance procedure on a standard linear accelerator. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 025008	3.8	6
20	Dual cardiac and respiratory gated thoracic imaging via adaptive gantry velocity and projection rate modulation on a linear accelerator: A Proof-of-Concept Simulation Study. <i>Medical Physics</i> , <b>2019</b> , 46, 4116-4126	4.4	3
19	A deep learning framework for automatic detection of arbitrarily shaped fiducial markers in intrafraction fluoroscopic images. <i>Medical Physics</i> , <b>2019</b> , 46, 2286-2297	4.4	12
18	Real-time direct diaphragm tracking using kV imaging on a standard linear accelerator. <i>Medical Physics</i> , <b>2019</b> , 46, 4481-4489	4.4	5
17	SPARE: Sparse-view reconstruction challenge for 4D cone-beam CT from a 1-min scan. <i>Medical Physics</i> , <b>2019</b> , 46, 3799-3811	4.4	21
16	Towards patient connected imaging with ACROBEAT: Adaptive CaRdiac cOne BEAm computed Tomography. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 065006	3.8	3
15	Real-time respiratory triggered four dimensional cone-beam CT halves imaging dose compared to conventional 4D CBCT. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 07NT01	3.8	2
14	A CBCT study of the gravity-induced movement in rotating rabbits. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 105012	3.8	5
13	A comparison of gantry-mounted x-ray-based real-time target tracking methods. <i>Medical Physics</i> , <b>2018</b> , 45, 1222-1232	4.4	8
12	Cone-beam CT reconstruction with gravity-induced motion. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 205007	3.8	2
11	Quantifying the reproducibility of lung ventilation images between 4-Dimensional Cone Beam CT and 4-Dimensional CT. <i>Medical Physics</i> , <b>2017</b> , 44, 1771-1781	4.4	6
10	A Bayesian approach for three-dimensional markerless tumor tracking using kV imaging during lung radiotherapy. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 3065-3080	3.8	27
9	The first implementation of respiratory triggered 4DCBCT on a linear accelerator. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 3488-99	3.8	12
8	Functional imaging equivalence and proof of concept for image-guided adaptive radiotherapy with fixed gantry and rotating couch. <i>Advances in Radiation Oncology</i> , <b>2016</b> , 1, 365-372	3.3	8

7	Improving thoracic four-dimensional cone-beam CT reconstruction with anatomical-adaptive image regularization (AAIR). <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 841-68	3.8	9
6	Quantifying the image quality and dose reduction of respiratory triggered 4D cone-beam computed tomography with patient-measured breathing. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 9493-513	3.8	11
5	Markerless tumor tracking using short kilovoltage imaging arcs for lung image-guided radiotherapy. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 9437-54	3.8	20
4	Respiratory motion guided four dimensional cone beam computed tomography: encompassing irregular breathing. <i>Physics in Medicine and Biology</i> , <b>2014</b> , 59, 579-95	3.8	14
3	Toward the development of intrafraction tumor deformation tracking using a dynamic multi-leaf collimator. <i>Medical Physics</i> , <b>2014</b> , 41, 061703	4.4	45
2	Image quality in thoracic 4D cone-beam CT: a sensitivity analysis of respiratory signal, binning method, reconstruction algorithm, and projection angular spacing. <i>Medical Physics</i> , <b>2014</b> , 41, 041912	4.4	31
1	Optimizing 4DCBCT projection allocation to respiratory bins. <i>Physics in Medicine and Biology</i> , <b>2014</b> , 59, 5631-49	3.8	12