Chun-Chien Shieh

List of Publications by Citations

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	Toward the development of intrafraction tumor deformation tracking using a dynamic multi-leaf collimator. *Medical Physics*, **2014**, 41, 061703	4.4	45
23	Image quality in thoracic 4D cone-beam CT: a sensitivity analysis of respiratory signal, binning method, reconstruction algorithm, and projection angular spacing. *Medical Physics*, **2014**, 41, 041912	4.4	31
22	A Bayesian approach for three-dimensional markerless tumor tracking using kV imaging during lung radiotherapy. *Physics in Medicine and Biology*, **2017**, 62, 3065-3080	3.8	27
21	SPARE: Sparse-view reconstruction challenge for 4D cone-beam CT from a 1-min scan. *Medical Physics*, **2019**, 46, 3799-3811	4.4	21
20	Markerless tumor tracking using short kilovoltage imaging arcs for lung image-guided radiotherapy. *Physics in Medicine and Biology*, **2015**, 60, 9437-54	3.8	20
19	Respiratory motion guided four dimensional cone beam computed tomography: encompassing irregular breathing. *Physics in Medicine and Biology*, **2014**, 59, 579-95	3.8	14
18	A deep learning framework for automatic detection of arbitrarily shaped fiducial markers in intrafraction fluoroscopic images. *Medical Physics*, **2019**, 46, 2286-2297	4.4	12
17	The first implementation of respiratory triggered 4DCBCT on a linear accelerator. *Physics in Medicine and Biology*, **2016**, 61, 3488-99	3.8	12
16	Optimizing 4DCBCT projection allocation to respiratory bins. *Physics in Medicine and Biology*, **2014**, 59, 5631-49	3.8	12
15	Quantifying the image quality and dose reduction of respiratory triggered 4D cone-beam computed tomography with patient-measured breathing. *Physics in Medicine and Biology*, **2015**, 60, 9493-513	3.8	11
14	Improving thoracic four-dimensional cone-beam CT reconstruction with anatomical-adaptive image regularization (AAIR). *Physics in Medicine and Biology*, **2015**, 60, 841-68	3.8	9
13	A comparison of gantry-mounted x-ray-based real-time target tracking methods. *Medical Physics*, **2018**, 45, 1222-1232	4.4	8
12	Functional imaging equivalence and proof of concept for image-guided adaptive radiotherapy with fixed gantry and rotating couch. *Advances in Radiation Oncology*, **2016**, 1, 365-372	3.3	8
11	Quantifying the reproducibility of lung ventilation images between 4-Dimensional Cone Beam CT and 4-Dimensional CT. *Medical Physics*, **2017**, 44, 1771-1781	4.4	6
10	The first prospective implementation of markerless lung target tracking in an experimental quality assurance procedure on a standard linear accelerator. *Physics in Medicine and Biology*, **2020**, 65, 025008	3.8	6
9	A CBCT study of the gravity-induced movement in rotating rabbits. *Physics in Medicine and Biology*, **2018**, 63, 105012	3.8	5
8	Real-time direct diaphragm tracking using kV imaging on a standard linear accelerator. *Medical Physics*, **2019**, 46, 4481-4489	4.4	5

List of Publications

7	Evaluating reconstruction algorithms for respiratory motion guided acquisition. *Physics in Medicine and Biology*, **2020**, 65, 175009	3.8	4
6	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. *Medical Physics*, **2019**, 46, 4116-4126	4.4	3
5	Towards patient connected imaging with ACROBEAT: Adaptive CaRdiac cOne BEAm computed Tomography. *Physics in Medicine and Biology*, **2019**, 64, 065006	3.8	3
4	Real-time respiratory triggered four dimensional cone-beam CT halves imaging dose compared to conventional 4D CBCT. *Physics in Medicine and Biology*, **2019**, 64, 07NT01	3.8	2
3	Cone-beam CT reconstruction with gravity-induced motion. *Physics in Medicine and Biology*, **2018**, 63, 205007	3.8	2
2	MArkerless image Guidance using Intrafraction Kilovoltage x-ray imaging (MAGIK): study protocol for a phase I interventional study for lung cancer radiotherapy.. *BMJ Open*, **2022**, 12, e057135	3	
1	Pre-treatment and real-time image guidance for a fixed-beam radiotherapy system. *Physics in Medicine and Biology*, **2021**, 66, 064003	3.8	