Deshan Yang

List of Publications by Year
in descending order

38 papers	1,165 citations	471509 17 h-index	377865 34 g-index
38 all docs	38 docs citations	38 times ranked	1350 citing authors

#	Article	IF	Citations
1	GroupRegNet: a groupwise one-shot deep learning-based 4D image registration method. Physics in Medicine and Biology, 2021, 66, 045030.	3.0	18
2	Dualâ€storage phosphor proton therapy dosimetry: Simultaneous quantification of dose and linear energy transfer. Medical Physics, 2021, 48, 1941-1955.	3.0	4
3	Development of a storage phosphor imaging system for proton pencil beam spot profile determination. Medical Physics, 2021, 48, 5459-5471.	3.0	0
4	Technical Note: Automatic segmentation of CT images for ventral body composition analysis. Medical Physics, 2020, 47, 5723-5730.	3.0	10
5	Quantitative proton radiation therapy dosimetry using the storage phosphor europiumâ€doped potassium chloride. Medical Physics, 2020, 47, 5287-5300.	3.0	3
6	Using prediction models to evaluate magnetic resonance image guided radiation therapy plans. Physics and Imaging in Radiation Oncology, 2020, 16, 99-102.	2.9	3
7	Dose uncertainty and resolution of polymer gel dosimetry using an MRI guided radiation therapy systemâ€™s onboard 0.35ÂT scanner. Physica Medica, 2020, 73, 8-12.	0.7	14
8	Development and evaluation of machine learning models for voxel dose predictions in online adaptive magnetic resonance guided radiation therapy. Journal of Applied Clinical Medical Physics, 2020, 21, 60-69.	1.9	8
9	Automatic large quantity landmark pairs detection in 4DCT lung images. Medical Physics, 2019, 46, 4490-4501.	3.0	13
10	Development and Validation of a Bayesian Network Method to Detect External Beam Radiation Therapy Physician Order Errors. International Journal of Radiation Oncology Biology Physics, 2019, 105, 423-431.	0.8	6
11	Lessons Learned From the First Human Low-Field MRI Guided Radiation Therapy of the Heart in the Presence of an Implantable Cardiac Defibrillator. Practical Radiation Oncology, 2019, 9, 274-279.	2.1	14
12	A machine learning approach to the accurate prediction of monitor units for a compact proton machine. Medical Physics, 2018, 45, 2243-2251.	3.0	27
13	Effect of Radiation Treatment Volume Reduction on Lymphopenia in Patients Receiving Chemoradiotherapy for Glioblastoma. International Journal of Radiation Oncology Biology Physics, 2018, 101, 217-225.	0.8	67
14	An adaptive motion regularization technique to support sliding motion in deformable image registration. Medical Physics, 2018, 45, 735-747.	3.0	19
15	A novel <scp>MRI</scp> segmentation method using <scp>CNN</scp>â€based correction network for <scp>MRI</scp>â€guided adaptive radiotherapy. Medical Physics, 2018, 45, 5129-5137.	3.0	109
16	Toward adaptive proton therapy guided with a mobile helical CT scanner. Radiotherapy and Oncology, 2018, 129, 479-485.	0.6	11
17	Optimization of treatment planning workflow and tumor coverage during daily adaptive magnetic resonance image guided radiation therapy (MR-IGRT) of pancreatic cancer. Radiation Oncology, 2018, 13, 51.	2.7	30
18	Technical Note: A method to evaluate dosimetric effects on organs-at-risk for treatment delivery systematic uncertainties. Medical Physics, 2017, 44, 1552-1557.	3.0	2

#	Article	IF	Citations
19	A Method to Recognize Anatomical Site and Image Acquisition View in X-ray Images. Journal of Digital Imaging, 2017, 30, 751-760.	2.9	3
20	A method to detect landmark pairs accurately between intraâ€patient volumetric medical images. Medical Physics, 2017, 44, 5859-5872.	3.0	14
21	Automatic xâ€ray image contrast enhancement based on parameter autoâ€optimization. Journal of Applied Clinical Medical Physics, 2017, 18, 218-223.	1.9	11
22	Adaptive anatomical preservation optimal denoising for radiation therapy daily MRI. Journal of Medical Imaging, 2017, 4, 1.	1.5	0
23	Simulated Online Adaptive Magnetic Resonanceâ€"Guided Stereotactic Body Radiation Therapy for the Treatment of Oligometastatic Disease of the Abdomen and Central Thorax: Characterization of Potential Advantages. International Journal of Radiation Oncology Biology Physics, 2016, 96, 1078-1086.	0.8	113
24	Accelerated fast iterative shrinkage thresholding algorithms for sparsityâ€regularized coneâ€beam CT image reconstruction. Medical Physics, 2016, 43, 1849-1872.	3.0	30
25	A GPUâ€accelerated Monte Carlo dose calculation platform and its application toward validating an MRIâ€guided radiation therapy beam model. Medical Physics, 2016, 43, 4040-4052.	3.0	46
26	Online Magnetic Resonance Image Guided Adaptive Radiation Therapy: First Clinical Applications. International Journal of Radiation Oncology Biology Physics, 2016, 94, 394-403.	0.8	245
27	SIFT-based dense pixel tracking on 0.35 T cine-MR images acquired during image-guided radiation therapy with application to gating optimization. Medical Physics, 2015, 43, 279-293.	3.0	34
28	Quality of Intensity Modulated Radiation Therapy Treatment Plans Using a 60 Co Magnetic Resonance Image Guidance Radiation Therapy System. International Journal of Radiation Oncology Biology Physics, 2015, 92, 771-778.	0.8	69
29	Three-dimensional dose accumulation in pseudo-split-field IMRT and brachytherapy for locally advanced cervical cancer. Brachytherapy, 2015, 14, 481-489.	0.5	9
30	Patient-Specific Quality Assurance for the Delivery of 60Co Intensity Modulated Radiation Therapy Subject to a 0.35-T Lateral Magnetic Field. International Journal of Radiation Oncology Biology Physics, 2015, 91, 65-72.	0.8	61
31	CBCT volumetric coverage extension using a pair of complementary circular scans with complementary kV detector lateral and longitudinal offsets. Physics in Medicine and Biology, 2014, 59, 6327-6339.	3.0	7
32	Software tool for physics chart checks. Practical Radiation Oncology, 2014, 4, e217-e225.	2.1	15
33	Automated radiation therapy treatment plan workflow using a commercial application programming interface. Practical Radiation Oncology, 2014, 4, 358-367.	2.1	34
34	Catching errors with patient-specific pretreatment machine log file analysis. Practical Radiation Oncology, 2013, 3, 80-90.	2.1	48
35	Initial experience with TrueBeam trajectory log files for radiation therapy delivery verification. Practical Radiation Oncology, 2013, 3, e199-e208.	2.1	34
36	Advanced Human Coronary Plaque Wall Thickness Correlates Positively With Flow Shear Stress and Negatively With Plaque Wall Stress: An IVUS-Based FSI Study. , 2013, , .		0

#	Article	IF	Citations
37	Technical Note: Electronic chart checks in a paperless radiation therapy clinic. Medical Physics, 2012, 39, 4726-4732.	3.0	33
38	Current role of PET in oncology: Potentials and challenges in the management of non-small cell lung cancer. , 2008, , .		1