

Yong Yang

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.

30
papers

676
citations

14
h-index

26
g-index

32
ext. papers

806
ext. citations

3.2
avg, IF

3.94
L-index

#	Paper	IF	Citations
30	The Stanford VMAT TBI Technique.. <i>Practical Radiation Oncology</i> , 2022 ,	2.8	2
29	Independent verification of brachytherapy treatment plan by using deep learning inference modeling. <i>Physics in Medicine and Biology</i> , 2021 , 66,	3.8	1
28	Deep learning-augmented radiotherapy visualization with a cylindrical radioluminescence system. <i>Physics in Medicine and Biology</i> , 2021 , 66, 045014	3.8	2
27	Deep learning-augmented radioluminescence imaging for radiotherapy dose verification. <i>Medical Physics</i> , 2021 , 48, 6820-6831	4.4	0
26	Fully automated noncoplanar radiation therapy treatment planning. <i>Medical Physics</i> , 2021 , 48, 7439-7449	4.4	0
25	Deep learning-enabled EPID-based 3D dosimetry for dose verification of step-and-shoot radiotherapy. <i>Medical Physics</i> , 2021 , 48, 6810-6819	4.4	0
24	Dose Prediction for Cervical Cancer Brachytherapy Using 3D Deep Convolutional Neural Network. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2021 , 1-1	4.2	0
23	Automated multi-parameter high-dose-rate brachytherapy quality assurance via radioluminescence imaging. <i>Physics in Medicine and Biology</i> , 2020 , 65, 225005	3.8	2
22	Data-driven dose calculation algorithm based on deep U-Net. <i>Physics in Medicine and Biology</i> , 2020 , 65, 245035	3.8	7
21	Beam data modeling of linear accelerators (linacs) through machine learning and its potential applications in fast and robust linac commissioning and quality assurance. <i>Radiotherapy and Oncology</i> , 2020 , 153, 122-129	5.3	6
20	Dose distribution prediction in isodose feature-preserving voxelization domain using deep convolutional neural network. <i>Medical Physics</i> , 2019 , 46, 2978-2987	4.4	13
19	Incorporating dosimetric features into the prediction of 3D VMAT dose distributions using deep convolutional neural network. <i>Physics in Medicine and Biology</i> , 2019 , 64, 125017	3.8	19
18	Incorporating imaging information from deep neural network layers into image guided radiation therapy (IGRT). <i>Radiotherapy and Oncology</i> , 2019 , 140, 167-174	5.3	16
17	Markerless Pancreatic Tumor Target Localization Enabled By Deep Learning. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019 , 105, 432-439	4	23
16	Optimizing efficiency and safety in external beam radiotherapy using automated plan check (APC) tool and six sigma methodology. <i>Journal of Applied Clinical Medical Physics</i> , 2019 , 20, 56-64	2.3	8
15	Factor 10 Expedience of Monthly Linac Quality Assurance via an Ion Chamber Array and Automation Scripts. <i>Technology in Cancer Research and Treatment</i> , 2019 , 18, 1533033819876897	2.7	0
14	Dosimetric features-driven machine learning model for DVH prediction in VMAT treatment planning. <i>Medical Physics</i> , 2019 , 46, 857-867	4.4	26

13	A unified material decomposition framework for quantitative dual- and triple-energy CT imaging. <i>Medical Physics</i> , 2018 , 45, 2964-2977	4.4	14
12	Feasibility of optimizing intensity-modulated radiation therapy plans based on measured mucosal dose adjacent to dental fillings and toxicity outcomes. <i>Journal of Applied Clinical Medical Physics</i> , 2018 , 19, 444-452	2.3	
11	Cumulative dose of radiation therapy of hepatocellular carcinoma patients and its deterministic relation to radiation-induced liver disease. <i>Medical Dosimetry</i> , 2018 , 43, 258-266	1.3	4
10	4D VMAT planning and verification technique for dynamic tracking using a direct aperture deformation (DAD) method. <i>Journal of Applied Clinical Medical Physics</i> , 2017 , 18, 50-61	2.3	
9	Evaluation of on-board kV cone beam CT (CBCT)-based dose calculation. <i>Physics in Medicine and Biology</i> , 2007 , 52, 685-705	3.8	239
8	Towards biologically conformal radiation therapy (BCRT): selective IMRT dose escalation under the guidance of spatial biology distribution. <i>Medical Physics</i> , 2005 , 32, 1473-84	4.4	63
7	Optimization of radiotherapy dose-time fractionation with consideration of tumor specific biology. <i>Medical Physics</i> , 2005 , 32, 3666-77	4.4	65
6	Quantitative measurement of MLC leaf displacements using an electronic portal image device. <i>Physics in Medicine and Biology</i> , 2004 , 49, 1521-33	3.8	36
5	Clinical knowledge-based inverse treatment planning. <i>Physics in Medicine and Biology</i> , 2004 , 49, 5101-17	3.8	38
4	Inverse treatment planning with adaptively evolving voxel-dependent penalty scheme. <i>Medical Physics</i> , 2004 , 31, 2839-44	4.4	29
3	Incorporating leaf transmission and head scatter corrections into step-and-shoot leaf sequences for IMRT. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003 , 55, 1121-34	4	18
2	Using the volumetric effect of a finite-sized detector for routine quality assurance of multileaf collimator leaf positioning. <i>Medical Physics</i> , 2003 , 30, 433-41	4.4	14
1	A three-source model for the calculation of head scatter factors. <i>Medical Physics</i> , 2002 , 29, 2024-33	4.4	31