

Wenhua Cao

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

303
citations

1163117

8
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

386
citing authors

#	ARTICLE	IF	CITATIONS
1	On the interplay effects with proton scanning beams in stage III lung cancer. <i>Medical Physics</i> , 2014, 41, 021721.	3.0	87
2	Linear energy transfer incorporated intensity modulated proton therapy optimization. <i>Physics in Medicine and Biology</i> , 2018, 63, 015013.	3.0	59
3	Evaluation and mitigation of the interplay effects of intensity modulated proton therapy for lung cancer in a clinical setting. <i>Practical Radiation Oncology</i> , 2014, 4, e259-e268.	2.1	56
4	A risk-based modeling approach for radiation therapy treatment planning under tumor shrinkage uncertainty. <i>European Journal of Operational Research</i> , 2020, 280, 266-278.	5.7	20
5	Comparison of linear and nonlinear programming approaches for "worst case dose" and "minmax" robust optimization of intensity-modulated proton therapy dose distributions. <i>Journal of Applied Clinical Medical Physics</i> , 2017, 18, 15-25.	1.9	19
6	A biological effect-guided optimization approach using beam distal-edge avoidance for intensity-modulated proton therapy. <i>Medical Physics</i> , 2020, 47, 3816-3825.	3.0	11
7	Radiation-Induced Lymphopenia Risks of Photon Versus Proton Therapy for Esophageal Cancer Patients. <i>International Journal of Particle Therapy</i> , 2021, 8, 17-27.	1.8	11
8	Knowledge-based planning for the radiation therapy treatment plan quality assurance for patients with head and neck cancer. <i>Journal of Applied Clinical Medical Physics</i> , 2022, 23, e13614.	1.9	11
9	Exploring the advantages of intensity-modulated proton therapy: experimental validation of biological effects using two different beam intensity-modulation patterns. <i>Scientific Reports</i> , 2020, 10, 3199.	3.3	7
10	Identifying Individualized Risk Profiles for Radiotherapy-Induced Lymphopenia Among Patients With Esophageal Cancer Using Machine Learning. <i>JCO Clinical Cancer Informatics</i> , 2021, 5, 1044-1053.	2.1	7
11	A hybrid deep learning model for forecasting lymphocyte depletion during radiation therapy. <i>Medical Physics</i> , 2022, 49, 3507-3522.	3.0	6
12	Impact of respiratory motion on variable relative biological effectiveness in 4D-dose distributions of proton therapy. <i>Acta Oncologica</i> , 2017, 56, 1420-1427.	1.8	5
13	Reply to Comment on "Linear energy transfer incorporated intensity modulated proton therapy optimization". <i>Physics in Medicine and Biology</i> , 2019, 64, 058002.	3.0	1