Yi Rong

List of Publications by Year
in descending order

80	1,130	430754 18	477173 29
papers	citations	h-index	g-index

82	82	82	1432
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Artificial intelligence can overcome challenges in brachytherapy treatment planning. Journal of Applied Clinical Medical Physics, 2022, 23, e13504.	0.8	1
2	Comprehensive Commissioning and Clinical Implementation of GammaTiles STaRT for Intracranial Brain Cancer. Advances in Radiation Oncology, 2022, 7, 100910.	0.6	3
3	Head and neck synthetic CT generated from ultraâ€lowâ€dose coneâ€beam CT following Image Gently Protocol using deep neural network. Medical Physics, 2022, 49, 3263-3277.	1.6	13
4	Implementation of Photon Treatment Back-up Workflow at a High-Volume Proton Center: Safety, Quality, and Patient Considerations. Practical Radiation Oncology, 2022, 12, e453-e459.	1.1	0
5	It is beneficial to invest resources to implement proton intracranial SRS. Journal of Applied Clinical Medical Physics, 2022, 23, .	0.8	2
6	Evaluating Automatic Segmentation for Swallowing-Related Organs for Head and Neck Cancer. Technology in Cancer Research and Treatment, 2022, 21, 153303382211057.	0.8	6
7	Adaptive Radiation Therapy (ART) Strategies and Technical Considerations: A State of the ART Review From NRG Oncology. International Journal of Radiation Oncology Biology Physics, 2021, 109, 1054-1075.	0.4	109
8	Technical Note: Vendor miscalibration of preclinical orthovoltage irradiator identified through independent output check. Medical Physics, 2021, 48, 881-889.	1.6	4
9	Computer automation for physics chart check should be adopted in clinic to replace manual chart checking for radiotherapy. Journal of Applied Clinical Medical Physics, 2021, 22, 4-8.	0.8	2
10	Rigid and Deformable Image Registration for Radiation Therapy: A Self-Study Evaluation Guide for NRG Oncology Clinical Trial Participation. Practical Radiation Oncology, 2021, 11, 282-298.	1.1	26
11	Vendorâ€provided clinical physics services are a disservice to patients and the medical physics profession. Journal of Applied Clinical Medical Physics, 2021, 22, 4-7.	0.8	0
12	Dosimetric feasibility of stereotactic ablative radiotherapy in pulmonary vein isolation for atrial fibrillation using intensityâ€modulated proton therapy. Journal of Applied Clinical Medical Physics, 2021, 22, 79-88.	0.8	2
13	Constructing Customized Multimodal Phantoms Through 3D Printing: A Preliminary Evaluation. Frontiers in Physics, 2021, 9, .	1.0	4
14	Prediction of neoadjuvant chemotherapy response in high-grade osteosarcoma: added value of non-tumorous bone radiomics using CT images. Quantitative Imaging in Medicine and Surgery, 2021, 11, 1184-1195.	1.1	8
15	A Comparison of the Distortion in the Same Field MRI and MR-Linac System With a 3D Printed Phantom. Frontiers in Oncology, 2021, 11, 579451.	1.3	2
16	Dose Summation Strategies for External Beam Radiation Therapy and Brachytherapy in Gynecologic Malignancy: A Review from the NRG Oncology and NCTN Medical Physics Subcommittees. International Journal of Radiation Oncology Biology Physics, 2021, 111, 999-1010.	0.4	7
17	Future mainstream platform for online adaptive radiotherapy will be using onâ€board MR rather than onâ€board (CB) CT images. Journal of Applied Clinical Medical Physics, 2021, 22, 4-9.	0.8	4
18	Benchmarking of Deformable Image Registration for Multiple Anatomic Sites Using Digital Data Sets With Ground-Truth Deformation Vector Fields. Practical Radiation Oncology, 2021, 11, 404-414.	1.1	12

#	Article	IF	Citations
19	Generalized methodology for radiomic feature selection and modelling in predicting clinical outcomes. Physics in Medicine and Biology, 2021, 66, .	1.6	3
20	Proton therapy needs further technological development to fulfill the promise of becoming a superior treatment modality (compared to photon therapy). Journal of Applied Clinical Medical Physics, 2021, 22, 4-11.	0.8	3
21	Cone-beam computed tomography-based delta-radiomics for early response assessment in radiotherapy for locally advanced lung cancer. Physics in Medicine and Biology, 2020, 65, 015009.	1.6	37
22	Impact of different b-value combinations on radiomics features of apparent diffusion coefficient in cervical cancer. Acta Radiologica, 2020, 61, 568-576.	0.5	1
23	Convolutional neural network enhancement of fast-scan low-dose cone-beam CT images for head and neck radiotherapy. Physics in Medicine and Biology, 2020, 65, 035003.	1.6	42
24	Effect and Safety of Radiation Therapy Boost to Extramesorectal Lymph Nodes in Rectal Cancer. Practical Radiation Oncology, 2020, 10, e372-e377.	1.1	7
25	â€œDose of the dayâ€•based on cone beam computed tomography and deformable image registration for lung cancer radiotherapy. Journal of Applied Clinical Medical Physics, 2020, 21, 88-94.	0.8	16
26	Deep learning vs. atlas-based models for fast auto-segmentation of the masticatory muscles on head and neck CT images. Radiation Oncology, 2020, 15, 176.	1.2	44
27	Creating a treatment plan report should be mandated as a minimum standard practice for patient care and QA documentation. Journal of Applied Clinical Medical Physics, 2020, 21, 6-9.	0.8	0
28	Clinical feasibility of MR-assisted CT-based cervical brachytherapy using MR-to-CT deformable image registration. Brachytherapy, 2020, 19, 447-456.	0.2	5
29	Current status of Radiomics for cancer management: Challenges versus opportunities for clinical practice. Journal of Applied Clinical Medical Physics, 2020, 21, 7-10.	0.8	8
30	Surface brachytherapy: Joint report of the AAPM and the GECâ€ESTRO Task Group No. 253. Medical Physics, 2020, 47, e951-e987.	1.6	22
31	Technical note: Atlasâ€based Autoâ€segmentation of masticatory muscles for head and neck cancer radiotherapy. Journal of Applied Clinical Medical Physics, 2020, 21, 233-240.	0.8	5
32	Extracting and Selecting Robust Radiomic Features from PET/MR Images in Nasopharyngeal Carcinoma. Molecular Imaging and Biology, 2020, 22, 1581-1591.	1.3	18
33	Integrating tumor and nodal radiomics to predict lymph node metastasis in gastric cancer. Radiotherapy and Oncology, 2020, 150, 89-96.	0.3	35
34	Stereotactic body radiotherapy: No longer a special procedure?. Journal of Applied Clinical Medical Physics, 2020, 21, 6-9.	0.8	0
35	Expanding the reach of medical physics: Immunotherapy should be included as part of the curriculum for medical physics education and training. Journal of Applied Clinical Medical Physics, 2020, 21, 6-10.	0.8	0
36	Prognostic factors and patterns of recurrence after curative resection for patients with distal cholangiocarcinoma. Radiotherapy and Oncology, 2020, 147, 111-117.	0.3	24

#	Article	IF	Citations
37	Radiation therapy considerations during the COVIDâ€19 Pandemic: Literature review and expert opinions. Journal of Applied Clinical Medical Physics, 2020, 21, 6-12.	0.8	14
38	Clinical Enhancement in AI-Based Post-processed Fast-Scan Low-Dose CBCT for Head and Neck Adaptive Radiotherapy. Frontiers in Artificial Intelligence, 2020, 3, 614384.	2.0	9
39	We are ready for clinical implementation of Carbon Ion Radiotherapy in the United States. Journal of Applied Clinical Medical Physics, 2020, 21, 6-9.	0.8	18
40	Parallel perspectives for building sustainable safety initiatives. Journal of Applied Clinical Medical Physics, 2019, 20, 5-10.	0.8	0
41	Characterizing mechanical and medical imaging properties of polyvinyl chlorideâ€based tissueâ€mimicking materials. Journal of Applied Clinical Medical Physics, 2019, 20, 176-183.	0.8	15
42	MRâ€linac is the best modality for lung SBRT. Journal of Applied Clinical Medical Physics, 2019, 20, 7-11.	0.8	6
43	Clinical practice workflow in Radiation Oncology should be highly standardized. Journal of Applied Clinical Medical Physics, 2019, 20, 6-9.	0.8	9
44	Design and fabrication of a personalized anthropomorphic phantom using 3D printing and tissue equivalent materials. Quantitative Imaging in Medicine and Surgery, 2019, 9, 94-100.	1.1	40
45	Three discipline collaborative radiation therapy (3DCRT) special debate: The United States should build additional proton therapy facilities. Journal of Applied Clinical Medical Physics, 2019, 20, 7-12.	0.8	7
46	3D-printed breast phantom for multi-purpose and multi-modality imaging. Quantitative Imaging in Medicine and Surgery, 2019, 9, 63-74.	1.1	58
47	Factors associated with deformation accuracy and modes of failure for MRI-optimized cervical brachytherapy using deformable image registration. Brachytherapy, 2019, 18, 378-386.	0.2	5
48	Radiation oncology alternative payment model to medical physics profession: More benefits than detriments. Journal of Applied Clinical Medical Physics, 2019, 20, 6-9.	0.8	2
49	Artificial intelligence will reduce the need for clinical medical physicists. Journal of Applied Clinical Medical Physics, 2018, 19, 6-9.	0.8	32
50	Medical physicists should meet with patients as part of the initial consult. Journal of Applied Clinical Medical Physics, 2018, 19, 6-9.	0.8	8
51	Robust optimization in lung treatment plans accounting for geometric uncertainty. Journal of Applied Clinical Medical Physics, 2018, 19, 19-26.	0.8	30
52	Voices for gender equity in medical physics. Journal of Applied Clinical Medical Physics, 2018, 19, 6-10.	0.8	6
53	Converting Treatment Plans From Helical Tomotherapy to L-Shape Linac: Clinical Workflow and Dosimetric Evaluation. Technology in Cancer Research and Treatment, 2018, 17, 153303381878527.	0.8	2
54	Parallel/Opposed Editorial: <scp>DMP</scp>/residency programs are more sustainable than <scp>MPA</scp>s for the future of the medical physics profession. Journal of Applied Clinical Medical Physics, 2018, 19, 330-334.	0.8	0

#	Article	IF	Citations
55	Fabrication of an anthropomorphic heterogeneous mouse phantom for multimodality medical imaging. Physics in Medicine and Biology, 2018, 63, 195011.	1.6	13
56	Radiomics for Response and Outcome Assessment for Non-Small Cell Lung Cancer. Technology in Cancer Research and Treatment, 2018, 17, 153303381878278.	0.8	71
57	3D printing technology will eventually eliminate the need of purchasing commercial phantoms for clinical medical physics <scp>QA</scp> procedures. Journal of Applied Clinical Medical Physics, 2018, 19, 8-12.	0.8	22
58	<scp>CAMPEP</scp> graduate program standards should require a dedicated course in Magnetic Resonance Imaging physics. Journal of Applied Clinical Medical Physics, 2018, 19, 5-8.	0.8	3
59	Robust optimization in lung treatment plans accounting for geometric uncertainty. , 2018, 19, 19.		1
60	Dosimetric Considerations in Respiratory-Gated Deep Inspiration Breath-Hold for Left Breast Irradiation. Technology in Cancer Research and Treatment, 2017, 16, 22-32.	0.8	25
61	Maximizing the cost benefit of physics residency interview. Journal of Applied Clinical Medical Physics, 2017, 18, 5-8.	0.8	1
62	Globalism versus Nationalism in Medical Physics. Journal of Applied Clinical Medical Physics, 2017, 18, 5-8.	0.8	0
63	Are inâ€house diagnostic MR physicists necessary for clinical implementation of MRI guided radiotherapy?. Journal of Applied Clinical Medical Physics, 2017, 18, 6-9.	0.8	11
64	The more <scp>IGRT</scp> systems, the merrier?. Journal of Applied Clinical Medical Physics, 2017, 18, 7-11.	0.8	6
65	<scp>MBA</scp> degree is needed for leadership roles in Medical Physics profession. Journal of Applied Clinical Medical Physics, 2017, 18, 6-9.	0.8	5
66	MRI in breast cancer radiotherapy in prone and supine positions. Frontiers in Bioscience - Landmark, 2017, 22, 570-579.	3.0	5
67	A standardized checklist is optimal for patients' chart check. Journal of Applied Clinical Medical Physics, 2017, 18, 5-8.	0.8	3
68	Acute Toxicity From Breast Cancer Radiation Using Helical Tomotherapy With a Simultaneous Integrated Boost. Technology in Cancer Research and Treatment, 2016, 15, 257-265.	0.8	14
69	Inter-Fraction Tumor Volume Response during Lung Stereotactic Body Radiation Therapy Correlated to Patient Variables. PLoS ONE, 2016, 11, e0153245.	1.1	7
70	Technical Report: TGâ€142 compliant and comprehensive quality assurance tests for respiratory gating. Medical Physics, 2015, 42, 6488-6497.	1.6	18
71	Minimal Inter-Fractional Fiducial Migration during Image-Guided Lung Stereotactic Body Radiotherapy Using SuperLock Nitinol Coil Fiducial Markers. PLoS ONE, 2015, 10, e0131945.	1.1	11
72	Radiotherapy treatment for nonmelanoma skin cancer. Expert Review of Anticancer Therapy, 2015, 15, 765-776.	1.1	34

#	Article	IF	Citations
73	Treating Cutaneous T-Cell Lymphoma with Highly Irregular Surfaces with Photon Irradiation Using Rice as Tissue Compensator. Frontiers in Oncology, 2015, 5, 49.	1.3	3
74	A planning study for palliative spine treatment using StatRT and megavoltage CT simulation. Journal of Applied Clinical Medical Physics, 2011, 12, 97-107.	0.8	8
75	Treatment Planning for Pulsed Reduced Dose-Rate Radiotherapy in Helical Tomotherapy. International Journal of Radiation Oncology Biology Physics, 2011, 79, 934-942.	0.4	17
76	Dosimetric and clinical review of helical tomotherapy. Expert Review of Anticancer Therapy, 2011, 11, 309-320.	1.1	19
77	Basics of Particle Therapy II Biologic and Dosimetric Aspects of Clinical Hadron Therapy. American Journal of Clinical Oncology: Cancer Clinical Trials, 2010, 33, 646-649.	0.6	13
78	Surface applicator calibration and commissioning of an electronic brachytherapy system for	1.6	33
79	The effect and stability of MVCT images on adaptive TomoTherapy. Journal of Applied Clinical Medical Physics, 2010, 11, 4-14.	0.8	32
80	Hypofractionated Breast and Chest Wall Irradiation Using Simultaneous in-field Boost IMRT Delivered via Helical Tomotherapy. Technology in Cancer Research and Treatment, 2008, 7, 433-439.	0.8	17