Yingli Yang

List of Publications by Year
in descending order

43 papers	1,017 citations	394421 19 h-index	454955 30 g-index
43 all docs	43 docs citations	43 times ranked	1158 citing authors

#	Article	IF	Citations
1	Longitudinal diffusion MRI for treatment response assessment: Preliminary experience using an MRIâ€guided triâ€cobalt 60 radiotherapy system. Medical Physics, 2016, 43, 1369-1373.	3.0	95
2	Online Adaptive Radiation Therapy: Implementation of a New Process of Care. Cureus, 2017, 9, e1618.	0.5	77
3	Deep learning approaches using 2D and 3D convolutional neural networks for generating male pelvic synthetic computed tomography from magnetic resonance imaging. Medical Physics, 2019, 46, 3788-3798.	3.0	65
4	A Phase II Trial of 5-Day Neoadjuvant Radiotherapy for Patients with High-Risk Primary Soft Tissue Sarcoma. Clinical Cancer Research, 2020, 26, 1829-1836.	7.0	63
5	Artificial Intelligence in magnetic Resonance guided Radiotherapy: Medical and physical considerations on state of art and future perspectives. Physica Medica, 2021, 85, 175-191.	0.7	60
6	Respiratory motion-resolved, self-gated 4D-MRI using rotating cartesian k-space (ROCK). Medical Physics, 2017, 44, 1359-1368.	3.0	51
7	Initial clinical observations of intra- and interfractional motion variation in MR-guided lung SBRT. British Journal of Radiology, 2018, 91, 20170522.	2.2	44
8	Feasibility evaluation of diffusion-weighted imaging using an integrated MRI-radiotherapy system for response assessment to neoadjuvant therapy in rectal cancer. British Journal of Radiology, 2017, 90, 20160739.	2.2	43
9	Feasibility of prostate robotic radiation therapy on conventional C-arm linacs. Practical Radiation Oncology, 2014, 4, 254-260.	2.1	38
10	Treatment effect prediction for sarcoma patients treated with preoperative radiotherapy using radiomics features from longitudinal diffusion-weighted MRIs. Physics in Medicine and Biology, 2020, 65, 175006.	3.0	38
11	Quantitative Magnetic Resonance Imaging for Biological Image-Guided Adaptive Radiotherapy. Frontiers in Oncology, 2020, 10, 615643.	2.8	37
12	Dosimetric validation of a magnetic resonance image gated radiotherapy system using a motion phantom and radiochromic film. Journal of Applied Clinical Medical Physics, 2017, 18, 163-169.	1.9	35
13	Distortionâ€free diffusion <scp>MRI</scp> using an <scp>MRI</scp>â€guided Triâ€Cobalt 60 radiotherapy system: Sequence verification and preliminary clinical experience. Medical Physics, 2017, 44, 5357-5366.	3.0	31
14	Delta radiomics for rectal cancer response prediction using low field magnetic resonance guided radiotherapy: an external validation. Physica Medica, 2021, 84, 186-191.	0.7	31
15	Generation of abdominal synthetic CTs from 0.35T MR images using generative adversarial networks for MR-only liver radiotherapy. Biomedical Physics and Engineering Express, 2020, 6, 015033.	1.2	29
16	Magnetic resonance imaging-guided stereotactic body radiotherapy for prostate cancer (mirage): a phase iii randomized trial. BMC Cancer, 2021, 21, 538.	2.6	29
17	Magnetic resonance imaging guided reirradiation of recurrent and second primary head and neck cancer. Advances in Radiation Oncology, 2017, 2, 167-175.	1.2	28
18	Cardiac balanced steady-state free precession MRI at 0.35 T: a comparison study with 1.5 T. Quantitative Imaging in Medicine and Surgery, 2018, 8, 627-636.	2.0	23

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19	Dosimetric impact of interfraction prostate and seminal vesicle volume changes and rotation: A post-hoc analysis of a phase III randomized trial of MRI-guided versus CT-guided stereotactic body radiotherapy. Radiotherapy and Oncology, 2022, 167, 203-210.	0.6	20
20	Respiratory motion-resolved, self-gated 4D-MRI using Rotating Cartesian K-space (ROCK): Initial clinical experience on an MRI-guided radiotherapy system. Radiotherapy and Oncology, 2018, 127, 467-473.	0.6	19
21	Accuracy of UTE-MRI-based patient setup for brain cancer radiation therapy. Medical Physics, 2015, 43, 262-267.	3.0	18
22	An Automatic Deep Learning–Based Workflow for Glioblastoma Survival Prediction Using Preoperative Multimodal MR Images: A Feasibility Study. Advances in Radiation Oncology, 2021, 6, 100746.	1.2	14
23	Constraints in estimating the proton density fat fraction. Magnetic Resonance Imaging, 2020, 66, 1-8.	1.8	13
24	Analysis of Geometric Performance and Dosimetric Impact of Using Automatic Contour Segmentation for Radiotherapy Planning. Frontiers in Oncology, 2020, 10, 1762.	2.8	13
25	Practical Safety Considerations for Integration of Magnetic Resonance Imaging in Radiation Therapy. Practical Radiation Oncology, 2020, 10, 443-453.	2.1	12
26	Prediction of soft tissue sarcoma response to radiotherapy using longitudinal diffusion MRI and a deep neural network with generative adversarial network–based data augmentation. Medical Physics, 2021, 48, 3262-3372.	3.0	11
27	Interfractional Geometric Variations and Dosimetric Benefits of Stereotactic MRI Guided Online Adaptive Radiotherapy (SMART) of Prostate Bed after Radical Prostatectomy: Post-Hoc Analysis of a Phase II Trial. Cancers, 2021, 13, 2802.	3.7	11
28	Evaluation of T2-Weighted MRI for Visualization and Sparing of Urethra with MR-Guided Radiation Therapy (MRgRT) On-Board MRI. Cancers, 2021, 13, 3564.	3.7	11
29	Accelerated 3D bSSFP imaging for treatment planning on an MRI–guided radiotherapy system. Medical Physics, 2018, 45, 2595-2602.	3.0	10
30	Multishot diffusion–prepared magnitude–stabilized balanced steady–state free precession sequence for distortion–free diffusion imaging. Magnetic Resonance in Medicine, 2019, 81, 2374-2384.	3.0	10
31	Three–dimensional multipath DenseNet for improving automatic segmentation of glioblastoma on pre–operative multimodal MR images. Medical Physics, 2021, 48, 2859-2866.	3.0	9
32	Dosimetric Effects of Air Cavities for MRI-Guided Online Adaptive Radiation Therapy (MRgART) of Prostate Bed after Radical Prostatectomy. Journal of Clinical Medicine, 2022, 11, 364.	2.4	7
33	A generalized system of tissue-mimicking materials for computed tomography and magnetic resonance imaging. Physics in Medicine and Biology, 2020, 65, 13NT01.	3.0	4
34	Quantification of fiducial marker visibility for MRI-only prostate radiotherapy simulation. Physics in Medicine and Biology, 2020, 65, 035015.	3.0	3
35	3D isotropic resolution diffusion–prepared magnitude–stabilized bSSFP imaging with high geometric fidelity at 1.5 Tesla. Medical Physics, 2020, 47, 3511-3519.	3.0	3
36	Comparison and evaluation of distortion correction techniques on an MR–guided radiotherapy system. Medical Physics, 2021, 48, 691-702.	3.0	3

#	Article	IF	Citations
37	Technical Note: Validation of an automatic ACR phantom quality assurance tool for an MR‑guided radiotherapy system. Medical Physics, 2021, 48, 1540-1545.	3.0	3
38	Clinical assessment of geometric distortion for a 0.35T MR‑guided radiotherapy system. Journal of Applied Clinical Medical Physics, 2021, 22, 303-309.	1.9	3
39	Bladder surface dose modeling in prostate cancer radiotherapy: An analysis of motion‑induced variations and the cumulative dose across the treatment. Medical Physics, 2021, 48, 8024-8036.	3.0	2
40	Dosimetric impact from cardiac motion to heart substructures in thoracic cancer patients treated with a magnetic resonance guided radiotherapy system. Physics and Imaging in Radiation Oncology, 2021, 17, 8-12.	2.9	1
41	Technical Note: Dosimetric effects of couch position variability on treatment plan quality with an MRI-guided Co-60 radiation therapy machine. Medical Physics, 2016, 43, 4514-4519.	3.0	0
42	Functional Imaging Predictors of Response to Chemoradiation. Current Colorectal Cancer Reports, 2018, 14, 106-114.	0.5	0
43	Recent Advances in Functional MRI to Predict Treatment Response for Locally Advanced Rectal Cancer. Current Colorectal Cancer Reports, 0, , 1.	0.5	0