

Guang Li

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,212
citations

430874

18
h-index

395702

33
g-index

54
all docs

54
docs citations

54
times ranked

1280
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in 4D Medical Imaging and 4D Radiation Therapy. Technology in Cancer Research and Treatment, 2008, 7, 67-81.	1.9	159
2	Motion monitoring for cranial frameless stereotactic radiosurgery using video-based three-dimensional optical surface imaging. Medical Physics, 2011, 38, 3981-3994.	3.0	98
3	A protein expression database for the molecular pharmacology of cancer. Electrophoresis, 1997, 18, 647-653.	2.4	87
4	Rapid mass spectrometric identification of proteins from two-dimensional polyacrylamide gels after in gel proteolytic digestion. Electrophoresis, 1997, 18, 391-402.	2.4	86
5	A novel four-dimensional radiotherapy planning strategy from a tumor-tracking beam's eye view. Physics in Medicine and Biology, 2012, 57, 7579-7598.	3.0	71
6	Tumor bed delineation for external beam accelerated partial breast irradiation: A systematic review. Radiotherapy and Oncology, 2013, 108, 181-189.	0.6	47
7	Migration from full-head mask to "open-face" mask for immobilization of patients with head and neck cancer. Journal of Applied Clinical Medical Physics, 2013, 14, 243-254.	1.9	43
8	Inverse treatment planning based on MRI for HDR prostate brachytherapy. International Journal of Radiation Oncology Biology Physics, 2005, 61, 1267-1275.	0.8	41
9	Long-Term Pulmonary Outcomes of a Feasibility Study of Inverse-Planned, Multibeam Intensity Modulated Radiation Therapy in Node-Positive Breast Cancer Patients Receiving Regional Nodal Irradiation. International Journal of Radiation Oncology Biology Physics, 2019, 103, 1100-1108.	0.8	39
10	Direct Comparison of Respiration-Correlated Four-Dimensional Magnetic Resonance Imaging Reconstructed Using Concurrent Internal Navigator and External Bellows. International Journal of Radiation Oncology Biology Physics, 2017, 97, 596-605.	0.8	37
11	Clinical experience with two frameless stereotactic radiosurgery (fSRS) systems using optical surface imaging for motion monitoring. Journal of Applied Clinical Medical Physics, 2015, 16, 149-162.	1.9	31
12	Novel Super-Resolution Approach to Time-Resolved Volumetric 4-Dimensional Magnetic Resonance Imaging With High Spatiotemporal Resolution for Multi-Breathing Cycle Motion Assessment. International Journal of Radiation Oncology Biology Physics, 2017, 98, 454-462.	0.8	30
13	Segmenting lung tumors on longitudinal imaging studies via a patient-specific adaptive convolutional neural network. Radiotherapy and Oncology, 2019, 131, 101-107.	0.6	27
14	Accuracy of 3D volumetric image registration based on CT, MR and PET/CT phantom experiments. Journal of Applied Clinical Medical Physics, 2008, 9, 17-36.	1.9	25
15	A novel 3D volumetric voxel registration technique for volume-view-guided image registration of multiple imaging modalities. International Journal of Radiation Oncology Biology Physics, 2005, 63, 261-273.	0.8	24
16	Quantitative prediction of respiratory tidal volume based on the external torso volume change: a potential volumetric surrogate. Physics in Medicine and Biology, 2009, 54, 1963-1978.	3.0	23
17	Clinical Assessment of 2D/3D Registration Accuracy in 4 Major Anatomic Sites Using On-Board 2D Kilovoltage Images for 6D Patient Setup. Technology in Cancer Research and Treatment, 2015, 14, 305-314.	1.9	20
18	A novel analytical approach to the prediction of respiratory diaphragm motion based on external torso volume change. Physics in Medicine and Biology, 2009, 54, 4113-4130.	3.0	19

#	ARTICLE	IF	CITATIONS
19	Novel spirometry based on optical surface imaging. <i>Medical Physics</i> , 2015, 42, 1690-1697.	3.0	19
20	Characterization of optical surface imaging-based spirometry for respiratory surrogating in radiotherapy. <i>Medical Physics</i> , 2016, 43, 1348-1360.	3.0	19
21	A VMAT planning technique for locally advanced breast cancer patients with expander or implant reconstructions requiring comprehensive postmastectomy radiation therapy. <i>Medical Dosimetry</i> , 2019, 44, 150-154.	0.9	19
22	Rapid estimation of 4DCT motion artifact severity based on 1D breathing surrogate periodicity. <i>Medical Physics</i> , 2014, 41, 1117-17.	3.0	18
23	Accuracy of surface-guided patient setup for conventional radiotherapy of brain and nasopharynx cancer. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 48-57.	1.9	18
24	Assessing and accounting for the impact of respiratory motion on FDG uptake and viable volume for liver lesions in free-breathing PET using respiration-suspended PET images as reference. <i>Medical Physics</i> , 2014, 41, 091905.	3.0	17
25	Clinical evaluation of 4D MRI in the delineation of gross and internal tumor volumes in comparison with 4DCT. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 51-60.	1.9	17
26	Design and validation of a MV/kV imaging-based markerless tracking system for assessing real-time lung tumor motion. <i>Medical Physics</i> , 2018, 45, 5555-5563.	3.0	16
27	Automated Lung Segmentation and Image Quality Assessment for Clinical 3-D/4-D-Computed Tomography. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2014, 2, 1-10.	3.7	15
28	Automatic assessment of average diaphragm motion trajectory from 4DCT images through machine learning. <i>Biomedical Physics and Engineering Express</i> , 2015, 1, 045015.	1.2	13
29	A uniform and versatile surface-guided radiotherapy procedure and workflow for high-quality breast deep-inspiration breath-hold treatment in a multi-center institution. <i>Journal of Applied Clinical Medical Physics</i> , 2022, 23, e13511.	1.9	13
30	Respiratory-Correlated (RC) vs. Time-Resolved (TR) Four-Dimensional Magnetic Resonance Imaging (4DMRI) for Radiotherapy of Thoracic and Abdominal Cancer. <i>Frontiers in Oncology</i> , 2019, 9, 1024.	2.8	12
31	Introduction of a pseudo demons force to enhance deformation range for robust reconstruction of super-resolution time-resolved 4DMRI. <i>Medical Physics</i> , 2018, 45, 5197-5207.	3.0	10
32	A Novel Respiratory Motion Perturbation Model Adaptable to Patient Breathing Irregularities. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 96, 1087-1096.	0.8	9
33	Evaluation of automatic contour propagation in T2-weighted 4DMRI for normal tissue motion assessment using internal organ at risk volume (IRV). <i>Journal of Applied Clinical Medical Physics</i> , 2018, 19, 598-608.	1.9	9
34	A super-resolution framework for the reconstruction of T2-weighted (T2w) time-resolved (TR) 4DMRI using T1w TR 4DMRI as the guidance. <i>Medical Physics</i> , 2020, 47, 3091-3102.	3.0	9
35	Enhanced super-resolution reconstruction of T1w time-resolved 4DMRI in low-contrast tissue using 2-step hybrid deformable image registration. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 25-39.	1.9	8
36	Commissioning of optical surface imaging systems for cranial frameless stereotactic radiosurgery. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 182-190.	1.9	7

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37	Enhancement of Long-Term External-Internal Correlation by Phase-Shift Detection and Correction Based on Concurrent External Bellows and Internal Navigator Signals. <i>Advances in Radiation Oncology</i> , 2019, 4, 377-389.	1.2	6
38	A phantom study to evaluate three different registration platform of 3D/3D, 2D/3D, and 3D surface match with 6D alignment for precise image-guided radiotherapy. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 188-196.	1.9	6
39	Correction of motion-induced misalignment in co-registered PET/CT and MRI (T1/T2/FLAIR) head images for stereotactic radiosurgery. <i>Journal of Applied Clinical Medical Physics</i> , 2011, 12, 58-67.	1.9	5
40	A dosimetry study of post-mastectomy radiation therapy with AeroForm tissue expander. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 33-38.	1.9	5
41	Feasibility of MR-guided radiotherapy using beam-eye-view 2D-cine with tumor-volume projection. <i>Physics in Medicine and Biology</i> , 2021, 66, 045020.	3.0	5
42	3D and 4D Medical Image Registration Combined with Image Segmentation and Visualization. , 2008, , 1-9.		4
43	Real-Time 2D MR Cine From Beam Eye's View With Tumor-Volume Projection to Ensure Beam-to-Tumor Conformality for MR-Guided Radiotherapy of Lung Cancer. <i>Frontiers in Oncology</i> , 0, 12, .	2.8	4
44	Registering Molecular Imaging Information into Anatomic Images with Improved Spatial Accuracy. , 2007, , .		3
45	A feasibility study of image registration using volumetrically classified, motion-free bony landmarks in thoracic 4DCT images for image-guided patient setup. <i>International Journal of Biomedical Engineering and Technology</i> , 2012, 8, 259.	0.2	3
46	Quantification of motion artifacts in 4DCT using global Fourier analysis. , 2012, , .		3
47	Current and Future Trends in Radiation Therapy. , 2008, , 745-781.		3
48	Volumetric Image Registration of Multi-modality Images of CT, MRI and PET. , 2010, , .		2
49	Image Guidance for Frameless Radiosurgery Including Surface Mapping. , 2020, , 311-322.		2
50	Commissioning and Routine Quality Assurance of the Vision RT AlignRT® System. , 2020, , 157-185.		2
51	3D voxel fusion of multi-modality medical images in a clinical treatment planning system. , 0, , .		1
52	A 4DRT simulation study using a synthetic 3.5D CT image with motion-free target of lung cancer based on 4DCT. <i>International Journal of Biomedical Engineering and Technology</i> , 2012, 8, 167.	0.2	1
53	Uncertainties of IGRT for lung cancer. , 2017, , 235-260.		1