

Nesrin Dogan

List of Publications by Year in descending order

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42
papers

1,116
citations

471509

17
h-index

395702

33
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42
all docs

42
docs citations

42
times ranked

1417
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of different IMRT boost delivery methods on target coverage and normal-tissue sparing. International Journal of Radiation Oncology Biology Physics, 2003, 57, 1480-1491.	0.8	132
2	Optimized Dose Coverage of Regional Lymph Nodes in Breast Cancer: The Role of Intensity-Modulated Radiotherapy. International Journal of Radiation Oncology Biology Physics, 2007, 68, 1238-1250.	0.8	89
3	Evaluation of radiomic texture feature error due to MRI acquisition and reconstruction: A simulation study utilizing ground truth. Physica Medica, 2018, 50, 26-36.	0.7	81
4	Quantitative Radiomics: Impact of Pulse Sequence Parameter Selection on MRI-Based Textural Features of the Brain. Contrast Media and Molecular Imaging, 2018, 2018, 1-9.	0.8	79
5	Comparative evaluation of Kodak EDR2 and XV2 films for verification of intensity modulated radiation therapy. Physics in Medicine and Biology, 2002, 47, 4121-4130.	3.0	77
6	Comparison of ionization chambers of various volumes for IMRT absolute dose verification. Medical Physics, 2003, 30, 119-123.	3.0	69
7	Surface and build-up region dosimetry for obliquely incident intensity modulated radiotherapy 6 MV x rays. Medical Physics, 2003, 30, 3091-3096.	3.0	67
8	Simultaneous-integrated boost intensity-modulated radiation therapy (SIB-IMRT) in the treatment of early-stage left-sided breast carcinoma. Medical Dosimetry, 2006, 31, 190-196.	0.9	66
9	Effect of prostatic edema on CT-based postimplant dosimetry. International Journal of Radiation Oncology Biology Physics, 2002, 53, 483-489.	0.8	45
10	Improving IMRT dose accuracy via deliverable Monte Carlo optimization for the treatment of head and neck cancer patients. Medical Physics, 2006, 33, 4033-4043.	3.0	37
11	Predictive value of 0.35T magnetic resonance imaging radiomic features in stereotactic ablative body radiotherapy of pancreatic cancer: A pilot study. Medical Physics, 2020, 47, 3682-3690.	3.0	35
12	Magnetic resonance imaging (MRI)-based radiomics for prostate cancer radiotherapy. Translational Andrology and Urology, 2018, 7, 445-458.	1.4	26
13	Automatic feathering of split fields for step-and-shoot intensity modulated radiation therapy. Physics in Medicine and Biology, 2003, 48, 1133-1140.	3.0	22
14	Assessment of online adaptive MR-guided stereotactic body radiotherapy of liver cancers. Physica Medica, 2020, 77, 54-63.	0.7	21
15	Prostate Cancer Targeted X-Ray Fluorescence Imaging via Gold Nanoparticles Functionalized With Prostate-Specific Membrane Antigen (PSMA). International Journal of Radiation Oncology Biology Physics, 2021, 111, 220-232.	0.8	20
16	Feasibility of Adaptive MR-guided Stereotactic Body Radiotherapy (SBRT) of Lung Tumors. Cureus, 2018, 10, e2423.	0.5	20
17	Optical molecular imaging-guided radiation therapy part 2: Integrated x-ray and fluorescence molecular tomography. Medical Physics, 2017, 44, 4795-4803.	3.0	19
18	Optical molecular imaging-guided radiation therapy part 1: Integrated x-ray and bioluminescence tomography. Medical Physics, 2017, 44, 4786-4794.	3.0	19

#	ARTICLE	IF	CITATIONS
19	Dosimetric analysis of stereotactic body radiation therapy for pancreatic cancer using MR-guided Tri-60Co unit, MR-guided LINAC, and conventional LINAC-based plans. <i>Practical Radiation Oncology</i> , 2018, 8, e312-e321.	2.1	16
20	Bioluminescence Tomography Guided Small-Animal Radiation Therapy and Tumor Response Assessment. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 848-857.	0.8	15
21	Post-radiotherapy prostate biopsies reveal heightened apex positivity relative to other prostate regions sampled. <i>Radiotherapy and Oncology</i> , 2015, 115, 101-106.	0.6	14
22	Improvement of dose distributions in abutment regions of intensity modulated radiation therapy and electron fields. <i>Medical Physics</i> , 2001, 29, 38-44.	3.0	13
23	A Voxel-by-Voxel Comparison of Deformable Vector Fields Obtained by Three Deformable Image Registration Algorithms Applied to 4DCT Lung Studies. <i>Frontiers in Oncology</i> , 2015, 5, 17.	2.8	13
24	Repeatability of CBCT radiomic features and their correlation with CT radiomic features for prostate cancer. <i>Medical Physics</i> , 2021, 48, 2386-2399.	3.0	13
25	Margin verification for hypofractionated prostate radiotherapy using a novel dose accumulation workflow and iterative CBCT. <i>Physica Medica</i> , 2020, 77, 154-159.	0.7	11
26	CBCT-Based Adaptive Assessment Workflow for Intensity Modulated Proton Therapy for Head and Neck Cancer. <i>International Journal of Particle Therapy</i> , 2021, 7, 29-41.	1.8	9
27	Monte Carlo dose verification of prostate patients treated with simultaneous integrated boost intensity modulated radiation therapy. <i>Radiation Oncology</i> , 2009, 4, 18.	2.7	8
28	The Ever-Evolving Role of the Academic Clinical Physicist. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 98, 18-20.	0.8	8
29	Assessment of specific versus combined purpose knowledge based models in prostate radiotherapy. <i>Journal of Applied Clinical Medical Physics</i> , 2018, 19, 209-216.	1.9	8
30	Impact of quantization algorithm and number of gray level intensities on variability and repeatability of low field strength magnetic resonance image-based radiomics texture features. <i>Physica Medica</i> , 2020, 80, 209-220.	0.7	8
31	Assessment of Knowledge-Based Planning for Prostate Intensity Modulated Proton Therapy. <i>International Journal of Particle Therapy</i> , 2021, 8, 62-72.	1.8	8
32	Magnetic Resonance-guided External Beam Radiation and Brachytherapy for a Patient with Intact Cervical Cancer. <i>Cureus</i> , 2018, 10, e2577.	0.5	8
33	Reconstruction of X-Ray Fluorescence Computed Tomography From Sparse-View Projections via L1-Norm Regularized EM Algorithm. <i>IEEE Access</i> , 2020, 8, 211576-211584.	4.2	7
34	Assessment of CT to CBCT contour mapping for radiomic feature analysis in prostate cancer. <i>Scientific Reports</i> , 2021, 11, 22737.	3.3	7
35	Assessment of single isocenter linear accelerator radiosurgery for metastases and base of skull lesions. <i>Physica Medica</i> , 2021, 81, 1-8.	0.7	6
36	Knowledge-Based Planning for Robustly Optimized Intensity-Modulated Proton Therapy of Head and Neck Cancer Patients. <i>Frontiers in Oncology</i> , 2021, 11, 737901.	2.8	5

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37	Assessment of daily dose accumulation for robustly optimized intensity modulated proton therapy treatment of prostate cancer. <i>Physica Medica</i> , 2021, 81, 77-85.	0.7	4
38	Predictive Value of Delta-Radiomics Texture Features in 0.35 Tesla Magnetic Resonance Setup Images Acquired During Stereotactic Ablative Radiotherapy of Pancreatic Cancer. <i>Frontiers in Oncology</i> , 2022, 12, 807725.	2.8	4
39	Improvement of tomographic intensity modulated radiotherapy dose distributions using periodic shifting of arc abutment regions. <i>Medical Physics</i> , 2000, 27, 1610-1616.	3.0	3
40	Comparisons of multiple automated anatomy-based image-guidance methods for patient setup before head/neck external beam radiotherapy. <i>Journal of Applied Clinical Medical Physics</i> , 2011, 12, 76-85.	1.9	2
41	Assessment of volumetric-modulated arc therapy for constant and variable dose rates. <i>Journal of Medical Physics</i> , 2017, 42, 199.	0.3	1
42	Assessment of intra-fraction motion during automated linac-based SRS treatment delivery with an open face mask system. <i>Physica Medica</i> , 2021, 92, 69-74.	0.7	1