

Harald Keller

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

328
citations

840585

11
h-index

839398

18
g-index

26
all docs

26
docs citations

26
times ranked

609
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust texture features for response monitoring of glioblastoma multiforme on T1-weighted and T2-FLAIR MR images: A preliminary investigation in terms of identification and segmentation. Medical Physics, 2010, 37, 1722-1736.	1.6	54
2	Simple beam models for Monte Carlo photon beam dose calculations in radiotherapy. Medical Physics, 2000, 27, 2739-2747.	1.6	37
3	Evaluation of Mouse Tail-Vein Injections Both Qualitatively and Quantitatively on Small-Animal PET Tail Scans. Journal of Nuclear Medicine Technology, 2011, 39, 264-270.	0.4	28
4	Calibration of a portal imaging device for high-precision dosimetry: A Monte Carlo study. Medical Physics, 1998, 25, 1891-1902.	1.6	27
5	Quantitative PET Comparing Gated with Nongated Acquisitions Using a NEMA Phantom with Respiratory-Simulated Motion. Journal of Nuclear Medicine Technology, 2007, 35, 246-251.	0.4	25
6	Quantitative Imaging in Radiation Oncology: An Emerging Science and Clinical Service. Seminars in Radiation Oncology, 2015, 25, 292-304.	1.0	18
7	Stereotactic body radiotherapy: a new paradigm in the management of spinal metastases. CNS Oncology, 2013, 2, 259-270.	1.2	14
8	A method to analyze the cord geometrical uncertainties during head and neck radiation therapy using cone beam CT. Radiotherapy and Oncology, 2009, 90, 228-230.	0.3	13
9	Multileaf collimator performance monitoring and improvement using semiautomated quality control testing and statistical process control. Medical Physics, 2014, 41, 121713.	1.6	13
10	Measurement of Tumor Hypoxia in Patients With Locally Advanced Cervical Cancer Using Positron Emission Tomography with 18F-Fluoroazomyin Arabinoside. International Journal of Radiation Oncology Biology Physics, 2018, 102, 1202-1209.	0.4	12
11	Integral test phantom for dosimetric quality assurance of image guided and intensity modulated stereotactic radiotherapy. Medical Physics, 2007, 34, 1842-1849.	1.6	11
12	A novel dose-volume metric for optimizing therapeutic ratio through fractionation: Retrospective analysis of lung cancer treatments. Medical Physics, 2013, 40, 084101.	1.6	11
13	Quantifying hypoxia in human cancers using static PET imaging. Physics in Medicine and Biology, 2016, 61, 7957-7974.	1.6	11
14	Theoretical considerations to the verification of dynamic multileaf collimated fields with a SLIC-type portal image detector. Physics in Medicine and Biology, 2000, 45, 2531-2545.	1.6	8
15	Quantification of Local Tumor Response to Fractionated Radiation Therapy for Non-Hodgkin Lymphoma Using Weekly 18F-FDG PET/CT Imaging. International Journal of Radiation Oncology Biology Physics, 2010, 76, 850-858.	0.4	8
16	<title>Development of a new multielement detector system for megavoltage photons</title>. , 2002, , .		7
17	Noise-Based Image Harmonization Significantly Increases Repeatability and Reproducibility of Radiomics Features in PET Images: A Phantom Study. Tomography, 2022, 8, 1113-1128.	0.8	7
18	Impact of tissue transport on PET hypoxia quantification in pancreatic tumours. EJNMMI Research, 2017, 7, 101.	1.1	5

#	ARTICLE	IF	CITATIONS
19	Quality control methods for linear accelerator radiation and mechanical axes alignment. Medical Physics, 2018, 45, 2388-2398.	1.6	4
20	Reply to the comment on "Monte Carlo simulation on a gold nanoparticle irradiated by electron beams". Physics in Medicine and Biology, 2013, 58, 2003-2005.	1.6	3
21	A Multidisciplinary Approach to Implement Image-Guided Craniospinal Irradiation. Journal of Medical Imaging and Radiation Sciences, 2020, 51, 317-323.	0.2	3
22	Radiotherapy Dose Fractionation under Parameter Uncertainty. , 2011, , .		2
23	Medical physics external beam plan review: What contributes to the variability?. Physica Medica, 2021, 89, 293-302.	0.4	2
24	Technical Note: Enhancing the surface dose using a weak longitudinal magnetic field. Medical Physics, 2016, 43, 2927-2932.	1.6	1
25	Comparison of dosimetric parameters derived from whole organ and wall contours for bladder and rectum in cervical cancer patients treated with intracavitary and interstitial brachytherapy. Radiotherapy and Oncology, 2018, 127, 456-459.	0.3	1