Justus Adamson

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6160989/publications.pdf

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47	800	471371	526166
papers	citations	17	27
		h-index	g-index

47	47	47	835
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Commissioning and dosimetric characteristics of TrueBeam system: Composite data of three TrueBeam machines. Medical Physics, 2012, 39, 6981-7018.	1.6	102
2	Physics considerations for single-isocenter, volumetric modulated arc radiosurgery for treatment of multiple intracranial targets. Practical Radiation Oncology, 2016, 6, 207-213.	1.1	57
3	Inferences About Prostate Intrafraction Motion From Pre- and Posttreatment Volumetric Imaging. International Journal of Radiation Oncology Biology Physics, 2009, 75, 260-267.	0.4	50
4	Single fraction stereotactic radiosurgery for multiple brain metastases. Advances in Radiation Oncology, 2017, 2, 555-563.	0.6	44
5	Dosimetric Effect of Intrafraction Motion and Residual Setup Error for Hypofractionated Prostate Intensity-Modulated Radiotherapy With Online Cone Beam Computed Tomography Image Guidance. International Journal of Radiation Oncology Biology Physics, 2011, 80, 453-461.	0.4	43
6	Prostate intrafraction motion evaluation using kV fluoroscopy during treatment delivery: A feasibility and accuracy study. Medical Physics, 2008, 35, 1793-1806.	1.6	42
7	Prostate Intrafraction Motion Assessed by Simultaneous Kilovoltage Fluoroscopy at Megavoltage Delivery I: Clinical Observations and Pattern Analysis. International Journal of Radiation Oncology Biology Physics, 2010, 78, 1563-1570.	0.4	40
8	A novel technique for VMAT QA with EPID in cine mode on a Varian TrueBeam linac. Physics in Medicine and Biology, 2013, 58, 6683-6700.	1.6	37
9	Is a single isocenter sufficient for volumetric modulated arc therapy radiosurgery when multiple intracranial metastases are spatially dispersed?. Medical Dosimetry, 2016, 41, 285-289.	0.4	31
10	Prostate Intrafraction Motion Assessed by Simultaneous kV Fluoroscopy at MV Delivery II: Adaptive Strategies. International Journal of Radiation Oncology Biology Physics, 2010, 78, 1323-1330.	0.4	27
11	A tool for patientâ€specific prediction of delivery discrepancies in machine parameters using trajectory log files. Medical Physics, 2021, 48, 978-990.	1.6	23
12	X-Ray Psoralen Activated Cancer Therapy (X-PACT). PLoS ONE, 2016, 11, e0162078.	1.1	23
13	Delivered Dose Distribution Visualized Directly With Onboard kV-CBCT: Proof of Principle. International Journal of Radiation Oncology Biology Physics, 2019, 103, 1271-1279.	0.4	22
14	Independent verification of gantry angle for pre-treatment VMAT QA using EPID. Physics in Medicine and Biology, 2012, 57, 6587-6600.	1.6	19
15	Reâ€examining TGâ€142 recommendations in light of modern techniques for linear accelerator based radiosurgery. Medical Physics, 2016, 43, 5437-5441.	1.6	18
16	Enhancing Radiation Therapy Through Cherenkov Light-Activated Phototherapy. International Journal of Radiation Oncology Biology Physics, 2018, 100, 794-801.	0.4	18
17	Comprehensive radiation and imaging isocenter verification using NIPAM kVâ€CBCT dosimetry. Medical Physics, 2020, 47, 927-936.	1.6	18
18	Imaging system QA of a medical accelerator, Novalis Tx, for IGRT per TG 142: our 1 year experience. Journal of Applied Clinical Medical Physics, 2012, 13, 113-140.	0.8	17

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19	Utilizing knowledge from prior plans in the evaluation of quality assurance. Physics in Medicine and Biology, 2015, 60, 4873-4891.	1.6	16
20	Characterization of Water-Clear Polymeric Gels for Use as Radiotherapy Bolus. Technology in Cancer Research and Treatment, 2017, 16, 923-929.	0.8	16
21	Treatment Planning and Delivery of Whole Brain Irradiation with Hippocampal Avoidance in Rats. PLoS ONE, 2015, 10, e0143208.	1.1	15
22	Adaptive planning using positron emission tomography for locally advanced lung cancer: A feasibility study. Practical Radiation Oncology, 2016, 6, 96-104.	1.1	15
23	Optimizing monoscopic kV fluoro acquisition for prostate intrafraction motion evaluation. Physics in Medicine and Biology, 2009, 54, 117-133.	1.6	13
24	Hippocampal dose from stereotactic radiosurgery for 4 to 10 brain metastases: Risk factors, feasibility of dose reduction via re-optimization, and patient outcomes. Medical Dosimetry, 2017, 42, 310-316.	0.4	12
25	On the use of trajectory log files for machine & patient specific QA. Biomedical Physics and Engineering Express, 2021, 7, 015010.	0.6	10
26	Commissioning a CT-compatible LDR tandem and ovoid applicator using Monte Carlo calculation and 3D dosimetry. Medical Physics, 2012, 39, 4515-4523.	1.6	9
27	Evaluating Radiation-induced White Matter Changes in Patients Treated with Stereotactic Radiosurgery Using Diffusion Tensor Imaging: A Pilot Study. Technology in Cancer Research and Treatment, 2014, 13, 21-28.	0.8	9
28	5914-5920.	1.6	8
29	Virtual patientâ€specific QA with DVHâ€based metrics. Journal of Applied Clinical Medical Physics, 2022, 23, e13639.	0.8	8
30	On the feasibility of polyurethane based 3D dosimeters with optical CT for dosimetric verification of low energy photon brachytherapy seeds. Medical Physics, 2014, 41, 071705.	1.6	7
31	Artificial intelligence for prediction of measurementâ€based patientâ€specific quality assurance is ready for prime time. Medical Physics, 2021, 48, 2701-2704.	1.6	6
32	SBRT treatment of multiple extracranial oligometastases using a single isocenter with distinct optimizations. Journal of Radiosurgery and SBRT, 2017, 4, 265-273.	0.2	6
33	The effect of MLC leaf width in single-isocenter multi-target radiosurgery with volumetric modulated arc therapy. Journal of Radiosurgery and SBRT, 2019, 6, 131-138.	0.2	5
34	Application of TG-218 action limits to SRS and SBRT pre-treatment patient specific QA. Journal of Radiosurgery and SBRT, 2020, 7, 135-147.	0.2	5
35	Contour based respiratory motion analysis for free breathing CT. Computers in Biology and Medicine, 2011, 41, 908-915.	3.9	2
36	Technical Note: On maximizing Cherenkov emissions from medical linear accelerators. Medical Physics, 2018, 45, 3315-3320.	1.6	2

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37	Evaluation of UVA emission from x-ray megavoltage-irradiated tissues and phantoms. Physics in Medicine and Biology, 2019, 64, 225017.	1.6	2
38	Maximizing the cost benefit of physics residency interview. Journal of Applied Clinical Medical Physics, 2017, 18, 5-8.	0.8	1
39	Predicting intracranial progression following stereotactic radiosurgery for brain metastases: Implications for post SRS imaging. Journal of Radiosurgery and SBRT, 2019, 6, 179-187.	0.2	1
40	The Effect of Various Dose Normalization Strategies When Implementing Linear Boltzmann Transport Equation Dose Calculation for Lung Stereotactic Body Radiation Therapy Planning. Practical Radiation Oncology, 2022, 12, 446-456.	1.1	1
41	Can Standard Radiation Therapy Quality Assurance (QA) Detect Potential Delivery Errors?. International Journal of Radiation Oncology Biology Physics, 2012, 84, S779.	0.4	0
42	Utilizing a diagnostic kV imaging system for x-ray psoralen activated cancer therapy (X-PACT). Biomedical Physics and Engineering Express, 2017, 3, 035018.	0.6	0
43	In Reply to Pratx and Kapp. International Journal of Radiation Oncology Biology Physics, 2018, 101, 495-496.	0.4	0
44	RADI-06. SINGLE- VERSUS MULTI-FRACTION STEREOTACTIC RADIOSURGERY FOR BRAINSTEM METASTASES. Neuro-Oncology Advances, 2019, 1, i22-i23.	0.4	0
45	Feasibility of radiosurgery dosimetry using NIPAM 3D dosimeters and x-ray CT. Journal of Physics: Conference Series, 2019, 1305, 012004.	0.3	0
46	Hippocampal Avoidance in Multitarget Radiosurgery. Cureus, 2021, 13, e15399.	0.2	0
47	An in-house protocol for improved flood field calibration of TrueBeam FFF cine imaging. Journal of Applied Clinical Medical Physics, 2017, 18, 265-268.	0.8	0