

Angelo Piermattei

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,075
citations

393982

19
h-index

454577

30
g-index

58
all docs

58
docs citations

58
times ranked

1002
citing authors

#	ARTICLE	IF	CITATIONS
1	Adding Ipsilateral V20 and V30 to Conventional Dosimetric Constraints Predicts Radiation Pneumonitis in Stage IIIA–B NSCLC Treated With Combined-Modality Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, 110-115.	0.4	74
2	Phase II studies on accelerated IMRT in breast carcinoma: Technical comparison and acute toxicity in 332 patients. <i>Radiotherapy and Oncology</i> , 2009, 90, 86-92.	0.3	63
3	In vivo dosimetry by an aSi-based EPID. <i>Medical Physics</i> , 2006, 33, 4414-4422.	1.6	58
4	Stereotactic radiotherapy in recurrent gynecological cancer: a case series. <i>Oncology Reports</i> , 2009, 22, 415-9.	1.2	54
5	Application of a practical method for the isocenter point <i>in vivo</i> dosimetry by a transit signal. <i>Physics in Medicine and Biology</i> , 2007, 52, 5101-5117.	1.6	45
6	Complexity index (COMIX) and not type of treatment predicts undetected errors in radiotherapy planning and delivery. <i>Radiotherapy and Oncology</i> , 2008, 89, 320-329.	0.3	43
7	Intensity-modulated Radiotherapy With Simultaneous Integrated Boost to Dominant Intraprostatic Lesion. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2012, 35, 158-162.	0.6	43
8	PTW-diamond detector: Dose rate and particle type dependence. <i>Medical Physics</i> , 2000, 27, 2589-2593.	1.6	41
9	Forward planned intensity modulated radiotherapy (IMRT) for whole breast postoperative radiotherapy. Is it useful? When?. <i>Journal of Applied Clinical Medical Physics</i> , 2011, 12, 213-222.	0.8	38
10	A Phase I Dose-Escalation Study (ISIDE-BT-1) of Accelerated IMRT With Temozolomide in Patients With Glioblastoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 77, 92-97.	0.4	37
11	Initial clinical experience with Epid-based in-vivo dosimetry for VMAT treatments of head-and-neck tumors. <i>Physica Medica</i> , 2016, 32, 52-58.	0.4	34
12	A National project for in vivo dosimetry procedures in radiotherapy: First results. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 274, 42-50.	0.6	30
13	Generalized EPID calibration for in vivo transit dosimetry. <i>Physica Medica</i> , 2011, 27, 30-38.	0.4	27
14	Daily On-Line Set-Up Correction in 3D-Conformal Radiotherapy: Is It Feasible?. <i>Tumori</i> , 2012, 98, 441-444.	0.6	26
15	Routine EPID <i>in-vivo</i> dosimetry in a reference point for conformal radiotherapy treatments. <i>Physics in Medicine and Biology</i> , 2015, 60, N141-N150.	1.6	25
16	Integration between <i>in vivo</i> dosimetry and image guided radiotherapy for lung tumors. <i>Medical Physics</i> , 2009, 36, 2206-2214.	1.6	24
17	Quality of Life and Toxicity of Stereotactic Radiotherapy in Pancreatic Tumors: A Case Series. <i>Cancer Investigation</i> , 2012, 30, 149-155.	0.6	23
18	Assessing the feasibility of volumetric-modulated arc therapy using simultaneous integrated boost (SIB-VMAT): An analysis for complex head-neck, high-risk prostate and rectal cancer cases. <i>Medical Dosimetry</i> , 2014, 39, 108-116.	0.4	23

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19	In-vivo portal dosimetry by an ionization chamber. <i>Physica Medica</i> , 2005, 21, 143-152.	0.4	20
20	Whole-breast irradiation: a subgroup analysis of criteria to stratify for prone position treatment. <i>Medical Dosimetry</i> , 2012, 37, 186-191.	0.4	18
21	Postoperative intensity-modulated radiotherapy with simultaneous integrated boost in prostate cancer: A dose-escalation trial. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2013, 31, 87-92.	0.8	17
22	Breast in vivo dosimetry by EPID. <i>Journal of Applied Clinical Medical Physics</i> , 2010, 11, 249-262.	0.8	16
23	3D-Conformal Versus Intensity-Modulated Postoperative Radiotherapy of Vaginal Vault: A Dosimetric Comparison. <i>Medical Dosimetry</i> , 2010, 35, 135-142.	0.4	15
24	EPID-based in vivo dose verification for lung stereotactic treatments delivered with multiple breath-hold segmented volumetric modulated arc therapy. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 37-44.	0.8	15
25	Early radiation-induced mucosal changes evaluated by proctoscopy: Predictive role of dosimetric parameters. <i>Radiotherapy and Oncology</i> , 2012, 104, 103-108.	0.3	14
26	Extracranial radiosurgery with volumetric modulated arc therapy: Feasibility evaluation of a phase I trial. <i>Oncology Letters</i> , 2013, 5, 1889-1896.	0.8	14
27	Real time transit dosimetry for the breath-hold radiotherapy technique: An initial experience. <i>Acta Oncologica</i> , 2008, 47, 1414-1421.	0.8	13
28	In patient dose reconstruction using a cine acquisition for dynamic arc radiation therapy. <i>Medical and Biological Engineering and Computing</i> , 2009, 47, 425-433.	1.6	12
29	Feasibility Study of Moderately Accelerated Intensity-Modulated Radiotherapy Plus Concurrent Weekly Cisplatin After Induction Chemotherapy in Locally Advanced Head-and Neck Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 79, 1073-1080.	0.4	12
30	Applicator-guided volumetric-modulated arc therapy for low-risk endometrial cancer. <i>Medical Dosimetry</i> , 2013, 38, 5-11.	0.4	12
31	Bayesian estimation of relaxation times T1 in MR images of irradiated Fricke-agarose gels. <i>Magnetic Resonance Imaging</i> , 2000, 18, 721-731.	1.0	11
32	Postoperative Intensity Modulated Radiation Therapy in High Risk Prostate Cancer: A Dosimetric Comparison. <i>Medical Dosimetry</i> , 2011, 36, 231-239.	0.4	11
33	Evaluation of interfraction setup variations for postmastectomy radiation therapy using EPID-based in vivo dosimetry. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 43-52.	0.8	11
34	Comparison of measured and computed portal dose for IMRT treatment. <i>Journal of Applied Clinical Medical Physics</i> , 2006, 7, 65-79.	0.8	10
35	EPID cine acquisition mode for in vivo dosimetry in dynamic arc radiation therapy. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 658-666.	0.6	10
36	Dynamic conformal arc therapy: Transmitted signal in vivo dosimetry. <i>Medical Physics</i> , 2008, 35, 1830-1839.	1.6	10

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37	Postoperative Intensity-Modulated Radiotherapy in Low-Risk Endometrial Cancers: Final Results of a Phase I Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, 1390-1395.	0.4	10
38	Correlation functions for Elekta aSi EPIDs used as transit dosimeter for open fields. <i>Journal of Applied Clinical Medical Physics</i> , 2011, 12, 218-233.	0.8	10
39	Breast in vivo dosimetry by a portal ionization chamber. <i>Medical Physics</i> , 2007, 34, 1121-1127.	1.6	9
40	Dose-guided radiotherapy for lung tumors. <i>Medical and Biological Engineering and Computing</i> , 2010, 48, 79-86.	1.6	9
41	Linac-based extracranial radiosurgery with Elekta volumetric modulated arc therapy and an anatomy-based treatment planning system: Feasibility and initial experience. <i>Medical Dosimetry</i> , 2016, 41, 166-172.	0.4	8
42	A Feasibility Study for in vivo Dosimetry Procedure in Routine Clinical Practice. <i>Technology in Cancer Research and Treatment</i> , 2018, 17, 153303381877920.	0.8	8
43	aSi-EPID transit signal calibration for dynamic beams: a needful step for the IMRT in vivo dosimetry. <i>Medical and Biological Engineering and Computing</i> , 2013, 51, 1137-1145.	1.6	7
44	Adjuvant volumetric-modulated arc therapy with simultaneous integrated boost in endometrial cancer. Planning and toxicity comparison. <i>Acta Oncologica</i> , 2014, 53, 251-258.	0.8	7
45	Volumetric modulated arc therapy (VMAT) and simultaneous integrated boost in head-and-neck cancer: is there a place for critical swallowing structures dose sparing?. <i>British Journal of Radiology</i> , 2016, 89, 20150764.	1.0	7
46	Setup in a clinical workflow and impact on radiotherapy routine of an in vivo dosimetry procedure with an electronic portal imaging device. <i>PLoS ONE</i> , 2018, 13, e0192686.	1.1	7
47	Forward-planned intensity modulated radiation therapy using a cobalt source: A dosimetric study in breast cancer. <i>Journal of Medical Physics</i> , 2013, 38, 125.	0.1	7
48	Beams Arrangement in Non-Small Cell Lung Cancer (NSCLC) According to PTV and Dosimetric Parameters Predictive of Pneumonitis. <i>Medical Dosimetry</i> , 2010, 35, 169-178.	0.4	6
49	Endocavitary in vivo Dosimetry for IMRT Treatments of Gynecologic Tumors. <i>Medical Dosimetry</i> , 2011, 36, 455-462.	0.4	6
50	A generalized calibration procedure for in vivo transit dosimetry using siemens electronic portal imaging devices. <i>Medical and Biological Engineering and Computing</i> , 2011, 49, 373-383.	1.6	5
51	Active Breathing Coordinator in Adjuvant Three-Dimensional Conformal Radiotherapy of Early Stage Breast Cancer: A Feasibility Study. <i>Tumori</i> , 2010, 96, 417-423.	0.6	4
52	Palliative Two-Dimensional Radiotherapy of Pancreatic Carcinoma: A Feasibility Study. <i>Tumori</i> , 2013, 99, 488-492.	0.6	4
53	Combined Use of a Transmission Detector and an EPID-Based In Vivo Dose Monitoring System in External Beam Whole Breast Irradiation: A Study with an Anthropomorphic Female Phantom. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7611.	1.3	4
54	Palliative two-dimensional radiotherapy of pancreatic carcinoma: a feasibility study. <i>Tumori</i> , 2013, 99, 488-92.	0.6	3

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55	Calibration of portal imaging devices for radiotherapy in-vivo dosimetry. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 623, 829-831.	0.7	2
56	Dosimetric calibration of solid state detectors with low energy ^{125}I sources. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 277-282.	0.6	1
57	Intensity-Modulated Radiation Therapy with Simultaneous Integrated Boost in Unresected Left-Sided Pleural Mesothelioma: A Case Report. Tumori, 2010, 96, 618-622.	0.6	1
58	Clinical research in a peripheral radiotherapy department: a feasibility analysis. Journal of Medicine and the Person, 2015, 13, 105-111.	0.1	1