

# Antonella Fogliata Cozzi

## List of Publications by Year in descending order

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152  
papers

7,723  
citations

38660

50  
h-index

60497

81  
g-index

152  
all docs

152  
docs citations

152  
times ranked

5308  
citing authors

#	ARTICLE	IF	CITATIONS
1	A treatment planning study comparing volumetric arc modulation with RapidArc and fixed field IMRT for cervix uteri radiotherapy. <i>Radiotherapy and Oncology</i> , 2008, 89, 180-191.	0.3	354
2	Volumetric modulated arc radiotherapy for carcinomas of the oro-pharynx, hypo-pharynx and larynx: A treatment planning comparison with fixed field IMRT. <i>Radiotherapy and Oncology</i> , 2009, 92, 111-117.	0.3	287
3	Comparison of dose calculation algorithms for treatment planning in external photon beam therapy for clinical situations. <i>Physics in Medicine and Biology</i> , 2006, 51, 5785-5807.	1.6	286
4	On the dosimetric behaviour of photon dose calculation algorithms in the presence of simple geometric heterogeneities: comparison with Monte Carlo calculations. <i>Physics in Medicine and Biology</i> , 2007, 52, 1363-1385.	1.6	217
5	Volumetric-modulated arc radiotherapy for carcinomas of the anal canal: A treatment planning comparison with fixed field IMRT. <i>Radiotherapy and Oncology</i> , 2009, 92, 118-124.	0.3	181
6	Intensity modulation with photons for benign intracranial tumours: A planning comparison of volumetric single arc, helical arc and fixed gantry techniques. <i>Radiotherapy and Oncology</i> , 2008, 89, 254-262.	0.3	176
7	Is Stereotactic Body Radiation Therapy an Attractive Option for Unresectable Liver Metastases? A Preliminary Report From a Phase 2 Trial. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 86, 336-342.	0.4	168
8	Dosimetric evaluation of Acuros XB Advanced Dose Calculation algorithm in heterogeneous media. <i>Radiation Oncology</i> , 2011, 6, 82.	1.2	157
9	On the pre-clinical validation of a commercial model-based optimisation engine: Application to volumetric modulated arc therapy for patients with lung or prostate cancer. <i>Radiotherapy and Oncology</i> , 2014, 113, 385-391.	0.3	157
10	Final results of a phase II trial for stereotactic body radiation therapy for patients with inoperable liver metastases from colorectal cancer. <i>Journal of Cancer Research and Clinical Oncology</i> , 2015, 141, 543-553.	1.2	145
11	Prediction of disease-free survival by the PET/CT radiomic signature in non-small cell lung cancer patients undergoing surgery. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 207-217.	3.3	143
12	Volumetric modulated arc therapy with flattening filter free (FFF) beams for stereotactic body radiation therapy (SBRT) in patients with medically inoperable early stage non small cell lung cancer (NSCLC). <i>Radiotherapy and Oncology</i> , 2013, 107, 414-418.	0.3	141
13	The challenge of inoperable hepatocellular carcinoma (HCC): results of a single-institutional experience on stereotactic body radiation therapy (SBRT). <i>Journal of Cancer Research and Clinical Oncology</i> , 2015, 141, 1301-1309.	1.2	135
14	Dosimetric validation of the anisotropic analytical algorithm for photon dose calculation: fundamental characterization in water. <i>Physics in Medicine and Biology</i> , 2006, 51, 1421-1438.	1.6	116
15	Ability of FDG PET and CT radiomics features to differentiate between primary and metastatic lung lesions. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 1649-1660.	3.3	112
16	Feasibility and early clinical assessment of flattening filter free (FFF) based stereotactic body radiotherapy (SBRT) treatments. <i>Radiation Oncology</i> , 2011, 6, 113.	1.2	107
17	Simultaneous integrated boost radiotherapy for bilateral breast: a treatment planning and dosimetric comparison for volumetric modulated arc and fixed field intensity modulated therapy. <i>Radiation Oncology</i> , 2009, 4, 27.	1.2	99
18	Critical Appraisal of Acuros XB and Anisotropic Analytic Algorithm Dose Calculation in Advanced Non-Small-Cell Lung Cancer Treatments. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 83, 1587-1595.	0.4	98

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19	Linac based SBRT for prostate cancer in 5 fractions with VMAT and flattening filter free beams: preliminary report of a phase II study. <i>Radiation Oncology</i> , 2013, 8, 171.	1.2	98
20	Assessment of a model based optimization engine for volumetric modulated arc therapy for patients with advanced hepatocellular cancer. <i>Radiation Oncology</i> , 2014, 9, 236.	1.2	97
21	Volumetric Modulation Arc Radiotherapy With Flattening Filter-Free Beams Compared With Static Gantry IMRT and 3D Conformal Radiotherapy for Advanced Esophageal Cancer: A Feasibility Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 84, 553-560.	0.4	95
22	Radiotherapy of small intracranial tumours with different advanced techniques using photon and proton beams: a treatment planning study. <i>Radiotherapy and Oncology</i> , 2003, 68, 1-14.	0.3	93
23	Dosimetric validation of the Acuros XB Advanced Dose Calculation algorithm: fundamental characterization in water. <i>Physics in Medicine and Biology</i> , 2011, 56, 1879-1904.	1.6	92
24	SBRT in unresectable advanced pancreatic cancer: preliminary results of a mono-institutional experience. <i>Radiation Oncology</i> , 2013, 8, 148.	1.2	91
25	Critical appraisal of treatment techniques based on conventional photon beams, intensity modulated photon beams and proton beams for therapy of intact breast. <i>Radiotherapy and Oncology</i> , 2002, 62, 137-145.	0.3	86
26	Stereotactic Ablative Radiotherapy (SABR) in inoperable oligometastatic disease from colorectal cancer: a safe and effective approach. <i>BMC Cancer</i> , 2014, 14, 619.	1.1	86
27	A broad scope knowledge based model for optimization of VMAT in esophageal cancer: validation and assessment of plan quality among different treatment centers. <i>Radiation Oncology</i> , 2015, 10, 220.	1.2	85
28	Stereotactic body radiation therapy for lung metastases from soft tissue sarcoma. <i>European Journal of Cancer</i> , 2015, 51, 668-674.	1.3	83
29	Three-dimensional conformal vs. intensity-modulated radiotherapy in head-and-neck cancer patients: comparative analysis of dosimetric and technical parameters. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004, 58, 617-624.	0.4	82
30	Clinical Outcome of Hypofractionated Stereotactic Radiotherapy for Abdominal Lymph Node Metastases. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 81, 831-838.	0.4	81
31	Stereotactic body radiotherapy (sbrt) in lung oligometastatic patients: role of local treatments. <i>Radiation Oncology</i> , 2014, 9, 91.	1.2	81
32	Planning strategies in volumetric modulated arc therapy for breast. <i>Medical Physics</i> , 2011, 38, 4025-4031.	1.6	78
33	Radiomics based analysis to predict local control and survival in hepatocellular carcinoma patients treated with volumetric modulated arc therapy. <i>BMC Cancer</i> , 2017, 17, 829.	1.1	77
34	The GLAAs algorithm for portal dosimetry and quality assurance of RapidArc, an intensity modulated rotational therapy. <i>Radiation Oncology</i> , 2008, 3, 24.	1.2	75
35	Cranio-spinal irradiation with volumetric modulated arc therapy: A multi-institutional treatment experience. <i>Radiotherapy and Oncology</i> , 2011, 99, 79-85.	0.3	73
36	Phase II trial on SBRT for unresectable liver metastases: long-term outcome and prognostic factors of survival after 5 years of follow-up. <i>Radiation Oncology</i> , 2018, 13, 234.	1.2	73

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37	Phase I-II study of hypofractionated simultaneous integrated boost using volumetric modulated arc therapy for adjuvant radiation therapy in breast cancer patients: a report of feasibility and early toxicity results in the first 50 treatments. <i>Radiation Oncology</i> , 2012, 7, 145.	1.2	72
38	Volumetric Modulation Arc Radiotherapy Compared With Static Gantry Intensity-Modulated Radiotherapy for Malignant Pleural Mesothelioma Tumor: A Feasibility Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 77, 942-949.	0.4	71
39	Preclinical Assessment of Volumetric Modulated Arc Therapy for Total Marrow Irradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 80, 628-636.	0.4	68
40	On the role of the optimization algorithm of RapidArc <sup>®</sup> volumetric modulated arc therapy on plan quality and efficiency. <i>Medical Physics</i> , 2011, 38, 5844-5856.	1.6	68
41	GLAaS: An absolute dose calibration algorithm for an amorphous silicon portal imager. Applications to IMRT verifications. <i>Medical Physics</i> , 2006, 33, 2839-2851.	1.6	66
42	The impact of treatment couch modelling on RapidArc. <i>Physics in Medicine and Biology</i> , 2009, 54, N157-N166.	1.6	61
43	Comparative dosimetric evaluation of the simultaneous integrated boost with photon intensity modulation in head and neck cancer patients. <i>Radiotherapy and Oncology</i> , 2003, 69, 267-275.	0.3	60
44	Tomotherapy planning of small brain tumours. <i>Radiotherapy and Oncology</i> , 2005, 74, 49-52.	0.3	59
45	Hypo-fractionated stereotactic radiotherapy alone using volumetric modulated arc therapy for patients with single, large brain metastases unsuitable for surgical resection. <i>Radiation Oncology</i> , 2016, 11, 76.	1.2	59
46	Accuracy of Acuros XB and AAA dose calculation for small fields with reference to RapidArc <sup>®</sup> stereotactic treatments. <i>Medical Physics</i> , 2011, 38, 6228-6237.	1.6	58
47	Stereotactic body radiation therapy for liver tumours using flattening filter free beam: dosimetric and technical considerations. <i>Radiation Oncology</i> , 2012, 7, 16.	1.2	57
48	Critical Appraisal of Volumetric Modulated Arc Therapy in Stereotactic Body Radiation Therapy for Metastases to Abdominal Lymph Nodes. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 75, 1570-1577.	0.4	56
49	Intercenter validation of a knowledge based model for automated planning of volumetric modulated arc therapy for prostate cancer. The experience of the German RapidPlan Consortium. <i>PLoS ONE</i> , 2017, 12, e0178034.	1.1	56
50	Performance of a Knowledge-Based Model for Optimization of Volumetric Modulated Arc Therapy Plans for Single and Bilateral Breast Irradiation. <i>PLoS ONE</i> , 2015, 10, e0145137.	1.1	55
51	Stereotactic body radiation therapy for abdominal targets using volumetric intensity modulated arc therapy with RapidArc: Feasibility and clinical preliminary results. <i>Acta Oncologica</i> , 2011, 50, 528-538.	0.8	51
52	Dosimetric trade-offs in breast treatment with VMAT technique. <i>British Journal of Radiology</i> , 2017, 90, 20160701.	1.0	51
53	On the performances of Intensity Modulated Protons, RapidArc and Helical Tomotherapy for selected paediatric cases. <i>Radiation Oncology</i> , 2009, 4, 2.	1.2	49
54	Pre-clinical evaluation of respiratory-gated delivery of volumetric modulated arc therapy with RapidArc. <i>Physics in Medicine and Biology</i> , 2010, 55, N347-N357.	1.6	49

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55	Can volumetric modulated arc therapy with flattening filter free beams play a role in stereotactic body radiotherapy for liver lesions? A volume-based analysis. <i>Medical Physics</i> , 2012, 39, 1112-1118.	1.6	49
56	The impact of photon dose calculation algorithms on expected dose distributions in lungs under different respiratory phases. <i>Physics in Medicine and Biology</i> , 2008, 53, 2375-2390.	1.6	46
57	Neo-adjuvant chemo-radiation of rectal cancer with Volumetric Modulated Arc Therapy: summary of technical and dosimetric features and early clinical experience. <i>Radiation Oncology</i> , 2010, 5, 14.	1.2	46
58	Evaluation of the Machine Performance Check application for TrueBeam Linac. <i>Radiation Oncology</i> , 2015, 10, 97.	1.2	44
59	On the dosimetric impact of inhomogeneity management in the Acuros XB algorithm for breast treatment. <i>Radiation Oncology</i> , 2011, 6, 103.	1.2	42
60	Stereotactic Body Radiation Therapy (SBRT) for adrenal metastases. <i>Strahlentherapie Und Onkologie</i> , 2011, 187, 238-244.	1.0	41
61	Prospective, intraindividual comparison of MRI versus MDCT for endoleak detection after endovascular repair of abdominal aortic aneurysms. <i>European Radiology</i> , 2009, 19, 1223-1231.	2.3	40
62	Monte Carlo simulation of TrueBeam flattening-filter-free beams using Varian phase-space files: Comparison with experimental data. <i>Medical Physics</i> , 2014, 41, 051707.	1.6	40
63	Dose calculation algorithm accuracy for small fields in non-homogeneous media: The lung SBRT case. <i>Physica Medica</i> , 2017, 44, 157-162.	0.4	40
64	Re-irradiation of metastatic spinal cord compression: A feasibility study by volumetric-modulated arc radiotherapy for in-field recurrence creating a dosimetric hole on the central canal. <i>Radiotherapy and Oncology</i> , 2010, 94, 67-70.	0.3	39
65	RapidPlan knowledge based planning: iterative learning process and model ability to steer planning strategies. <i>Radiation Oncology</i> , 2019, 14, 187.	1.2	39
66	Volumetric modulated arc therapy with flattening filter free beams for isolated abdominal/pelvic lymph nodes: report of dosimetric and early clinical results in oligometastatic patients. <i>Radiation Oncology</i> , 2012, 7, 204.	1.2	38
67	Phase II trial of hypofractionated VMAT-based treatment for early stage breast cancer: 2-year toxicity and clinical results. <i>Radiation Oncology</i> , 2016, 11, 120.	1.2	38
68	Comparative analysis of intensity modulation inverse planning modules of three commercial treatment planning systems applied to head and neck tumour model. <i>Radiotherapy and Oncology</i> , 2003, 66, 29-40.	0.3	36
69	Early clinical experience of radiotherapy of prostate cancer with volumetric modulated arc therapy. <i>Radiation Oncology</i> , 2010, 5, 54.	1.2	35
70	Early clinical experience with volumetric modulated arc therapy in head and neck cancer patients. <i>Radiation Oncology</i> , 2010, 5, 93.	1.2	35
71	Large volume unresectable locally advanced non-small cell lung cancer: acute toxicity and initial outcome results with rapid arc. <i>Radiation Oncology</i> , 2010, 5, 94.	1.2	34
72	Cone beam CT pre- and post-daily treatment for assessing geometrical and dosimetric intrafraction variability during radiotherapy of prostate cancer. <i>Journal of Applied Clinical Medical Physics</i> , 2011, 12, 141-152.	0.8	34

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73	Interplay effects between dose distribution quality and positioning accuracy in total marrow irradiation with volumetric modulated arc therapy. <i>Medical Physics</i> , 2013, 40, 111713.	1.6	34
74	Accuracy evaluation of the optical surface monitoring system on EDGE linear accelerator in a phantom study. <i>Medical Dosimetry</i> , 2016, 41, 173-179.	0.4	34
75	Minimally Invasive Stereotactical Radio-ablation of Adrenal Metastases as an Alternative to Surgery. <i>Cancer Research and Treatment</i> , 2017, 49, 20-28.	1.3	34
76	Proton versus photon deep inspiration breath hold technique in patients with hodgkin lymphoma and mediastinal radiation. <i>Radiation Oncology</i> , 2018, 13, 122.	1.2	34
77	Boosting the tumor bed from deep-seated tumors in early-stage breast cancer: A planning study between electron, photon, and proton beams. <i>Radiotherapy and Oncology</i> , 2010, 96, 192-198.	0.3	33
78	On the impact of dose rate variation upon RapidArc® implementation of volumetric modulated arc therapy. <i>Medical Physics</i> , 2011, 38, 264-271.	1.6	32
79	Critical appraisal of the accuracy of Acuros-XB and Anisotropic Analytical Algorithm compared to measurement and calculations with the compass system in the delivery of RapidArc clinical plans. <i>Radiation Oncology</i> , 2013, 8, 140.	1.2	32
80	Dosimetric comparison between VMAT with different dose calculation algorithms and protons for soft-tissue sarcoma radiotherapy. <i>Acta Oncologica</i> , 2013, 52, 545-552.	0.8	32
81	Evaluation of the dose calculation accuracy for small fields defined by jaw or MLC for AAA and Acuros XB algorithms. <i>Medical Physics</i> , 2016, 43, 5685-5694.	1.6	32
82	IMRT with the sliding window: Comparison of the static and dynamic methods. Dosimetric and spectral analysis. <i>Radiotherapy and Oncology</i> , 2005, 75, 112-119.	0.3	31
83	Feasibility of stereotactic body radiation therapy with volumetric modulated arc therapy and high intensity photon beams for hepatocellular carcinoma patients. <i>Radiation Oncology</i> , 2014, 9, 18.	1.2	31
84	Hypofractionated stereotactic radiation therapy in skull base meningiomas. <i>Journal of Neuro-Oncology</i> , 2015, 124, 283-289.	1.4	31
85	Critical Appraisal of the Risk of Secondary Cancer Induction From Breast Radiation Therapy With Volumetric Modulated Arc Therapy Relative to 3D Conformal Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 100, 785-793.	0.4	29
86	Apparatus-Dependent Dosimetric Differences in Spine Stereotactic Body Radiotherapy. <i>Technology in Cancer Research and Treatment</i> , 2010, 9, 563-574.	0.8	28
87	Dosimetric impact of inter-observer variability for 3D conformal radiotherapy and volumetric modulated arc therapy: the rectal tumor target definition case. <i>Radiation Oncology</i> , 2013, 8, 176.	1.2	27
88	Anatomy driven optimization strategy for total marrow irradiation with a volumetric modulated arc therapy technique. <i>Journal of Applied Clinical Medical Physics</i> , 2012, 13, 138-147.	0.8	26
89	Role of stereotactic body radiation therapy for lung metastases from radio-resistant primary tumours. <i>Journal of Cancer Research and Clinical Oncology</i> , 2017, 143, 1293-1299.	1.2	26
90	Critical appraisal of the role of volumetric modulated arc therapy in the radiation therapy management of breast cancer. <i>Radiation Oncology</i> , 2017, 12, 200.	1.2	26

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91	In silico assessment of the dosimetric quality of a novel, automated radiation treatment planning strategy for linac-based radiosurgery of multiple brain metastases and a comparison with robotic methods. <i>Radiation Oncology</i> , 2018, 13, 41.	1.2	26
92	Critical Appraisal of the Treatment Planning Performance of Volumetric Modulated Arc Therapy by Means of a Dual Layer Stacked Multileaf Collimator for Head and Neck, Breast, and Prostate. <i>Technology in Cancer Research and Treatment</i> , 2018, 17, 153303381880388.	0.8	26
93	Clinical experience in breast irradiation with intensity modulated photon beams. <i>Acta OncolÃ³gica</i> , 2005, 44, 467-474.	0.8	25
94	Influence of dose calculation algorithms on the predicted dose distributions and NTCP values for NSCLC patients. <i>Medical Physics</i> , 2011, 38, 2412-2418.	1.6	25
95	Postmastectomy radiation therapy using VMAT technique for breast cancer patients with expander reconstruction. <i>Medical Oncology</i> , 2019, 36, 48.	1.2	25
96	Flattening filter free beams from TrueBeam and Versa HD units: Evaluation of the parameters for quality assurance. <i>Medical Physics</i> , 2015, 43, 205-212.	1.6	24
97	On the <scp>gEUD</scp> biological optimization objective for organs at risk in Photon Optimizer of Eclipse treatment planning system. <i>Journal of Applied Clinical Medical Physics</i> , 2018, 19, 106-114.	0.8	24
98	On the performances of different IMRT Treatment Planning Systems for selected paediatric cases. <i>Radiation Oncology</i> , 2007, 2, 7.	1.2	23
99	Toxicity profile and early clinical outcome for advanced head and neck cancer patients treated with simultaneous integrated boost and volumetric modulated arc therapy. <i>Radiation Oncology</i> , 2015, 10, 224.	1.2	22
100	Comparative Planning Study for Proton Radiotherapy of Benign Brain Tumors. <i>Strahlentherapie Und Onkologie</i> , 2006, 182, 376-381.	1.0	21
101	Unilateral and bilateral neck SIB for head and neck cancer patients. <i>Strahlentherapie Und Onkologie</i> , 2016, 192, 232-239.	1.0	21
102	Collimator angle influence on dose distribution optimization for vertebral metastases using	1.6	20
103	Stereotactic body radiotherapy with flattening filter-free beams for prostate cancer: assessment of patient-reported quality of life. <i>Journal of Cancer Research and Clinical Oncology</i> , 2014, 140, 1795-1800.	1.2	20
104	A treatment planning study using non-coplanar static fields and coplanar arcs for whole breast radiotherapy of patients with concave geometry. <i>Radiotherapy and Oncology</i> , 2007, 85, 346-354.	0.3	19
105	Volumetric Modulated Arc-Based Hypofractionated Stereotactic Radiotherapy for the Treatment of Selected Intracranial Arteriovenous Malformations: Dosimetric Report and Early Clinical Experience. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 82, 1278-1284.	0.4	19
106	Radiation therapy of anal canal cancer: from conformal therapy to volumetric modulated arc therapy. <i>BMC Cancer</i> , 2014, 14, 833.	1.1	19
107	In-vivo dosimetry with Gafchromic films for multi-isocentric VMAT irradiation of total marrow lymph-nodes: a feasibility study. <i>Radiation Oncology</i> , 2015, 10, 86.	1.2	19
108	Accuracy of two- and three-dimensional photon dose calculation for tangential irradiation of the breast. <i>Radiotherapy and Oncology</i> , 1997, 42, 245-248.	0.3	17

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109	Dosimetric evaluation of modern radiation therapy techniques for left breast in deep-inspiration breath-hold. <i>Physica Medica</i> , 2018, 45, 82-87.	0.4	17
110	Whole Abdomen Radiation Therapy in Ovarian Cancers: A Comparison between Fixed Beam and Volumetric Arc Based Intensity Modulation. <i>Radiation Oncology</i> , 2010, 5, 106.	1.2	16
111	Radiation treatment with volumetric modulated arc therapy of hepatocellular carcinoma patients. Early clinical outcome and toxicity profile from a retrospective analysis of 138 patients. <i>Radiation Oncology</i> , 2012, 7, 207.	1.2	16
112	Role of Stereotactic Body Radiation Therapy with Volumetric-Modulated Arcs and High-Intensity Photon Beams for the Treatment of Abdomino-Pelvic Lymph-Node Metastases. <i>Cancer Investigation</i> , 2016, 34, 348-354.	0.6	16
113	Vertebral metastases reirradiation with volumetric-modulated arc radiotherapy. <i>Radiotherapy and Oncology</i> , 2012, 102, 416-420.	0.3	14
114	Moderate hypofractionated radiotherapy with volumetric modulated arc therapy and simultaneous integrated boost for pelvic irradiation in prostate cancer. <i>Journal of Cancer Research and Clinical Oncology</i> , 2017, 143, 1301-1309.	1.2	14
115	Hypofractionation with simultaneous boost in breast cancer patients receiving adjuvant chemotherapy: A prospective evaluation of a case series and review of the literature. <i>Breast</i> , 2018, 42, 31-37.	0.9	14
116	Technical Note: Flattening filter free beam from Halcyon linac: Evaluation of the profile parameters for quality assurance. <i>Medical Physics</i> , 2020, 47, 3669-3674.	1.6	14
117	Intensity modulated proton therapy compared to volumetric modulated arc therapy in the irradiation of young female patients with hodgkinâ€™s lymphoma. Assessment of risk of toxicity and secondary cancer induction. <i>Radiation Oncology</i> , 2020, 15, 12.	1.2	14
118	Stereotactic/hypofractionated body radiation therapy as an effective treatment for lymph node metastases from colorectal cancer: an institutional retrospective analysis. <i>British Journal of Radiology</i> , 2017, 90, 20170422.	1.0	13
119	Volumetric modulated arc therapy versus intensity-modulated proton therapy in neoadjuvant irradiation of locally advanced oesophageal cancer. <i>Radiation Oncology</i> , 2020, 15, 120.	1.2	13
120	Volumetric modulated arc therapy for thoracic node metastases: a safe and effective treatment for a neglected disease. <i>Oncotarget</i> , 2016, 7, 53321-53329.	0.8	13
121	On the robustness of VMAT-SABR treatment plans against isocentre positioning uncertainties. <i>Radiation Oncology</i> , 2014, 9, 196.	1.2	12
122	Use of PTW-microDiamond for relative dosimetry of unflattened photon beams. <i>Physica Medica</i> , 2017, 38, 45-53.	0.4	12
123	Impact of hypofractionated schemes in radiotherapy for locally advanced head and neck cancer patients. <i>Laryngoscope</i> , 2020, 130, E163-E170.	1.1	11
124	Hypofractionated Whole Breast Irradiation and Simultaneous Integrated Boost in Large-breasted Patients: Long-term Toxicity and Cosmesis. <i>Clinical Breast Cancer</i> , 2020, 20, 527-533.	1.1	11
125	Long term results of a phase II trial of hypofractionated adjuvant radiotherapy for early-stage breast cancer with volumetric modulated arc therapy and simultaneous integrated boost. <i>Radiotherapy and Oncology</i> , 2021, 164, 50-56.	0.3	11
126	IMRT in the treatment of head and neck cancer: is the present already the future?. <i>Expert Review of Anticancer Therapy</i> , 2002, 2, 297-308.	1.1	10



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127	Pre-treatment verification of intensity modulated photon beams with films and electronic portal imaging " Two years of clinical experience. Zeitschrift Fur Medizinische Physik, 2004, 14, 239-250.	0.6	10
128	Testing the GLAaS algorithm for dose measurements on low- and high-energy photon beams using an amorphous silicon portal imager. Medical Physics, 2008, 35, 464-472.	1.6	10
129	Collimator scatter factor: Monte Carlo and in-air measurements approaches. Radiation Oncology, 2018, 13, 126.	1.2	10
130	Critical appraisal of a non-coplanar technique for radiotherapy of breast minimising lung involvement. Radiotherapy and Oncology, 2005, 76, 319-325.	0.3	9
131	MLC parameters from static fields to VMAT plans: an evaluation in a RT-dedicated MC environment (PRIMO). Radiation Oncology, 2019, 14, 216.	1.2	9
132	Basic dosimetric verification in water of the anisotropic analytical algorithm for Varian, Elekta and Siemens linacs. Zeitschrift Fur Medizinische Physik, 2008, 18, 128-135.	0.6	8
133	On the determination of reference levels for quality assurance of flattening filter free photon beams in radiation therapy. Medical Physics, 2014, 41, 021713.	1.6	8
134	Critical appraisal of the potential role of intensity modulated proton therapy in the hypofractionated treatment of advanced hepatocellular carcinoma. PLoS ONE, 2018, 13, e0201992.	1.1	8
135	Adjuvant volumetric modulated arc therapy compared to 3D conformal radiation therapy for newly diagnosed soft tissue sarcoma of the extremities: outcome and toxicity evaluation. British Journal of Radiology, 2019, 92, 20190252.	1.0	8
136	The role of a "knowledge based dose" volume histogram predictive model in the optimisation of intensity-modulated proton plans for hepatocellular carcinoma patients. Strahlentherapie Und Onkologie, 2021, 197, 332-342.	1.0	8
137	Knowledge-based intensity-modulated proton planning for gastroesophageal carcinoma. Acta Oncologica, 2021, 60, 285-292.	0.8	8
138	Breast irradiation with three conformal photon fields for patients with high lung involvement. Acta Oncologica, 2004, 43, 558-566.	0.8	7
139	Commissioning and early experience with a new-generation low-energy linear accelerator with advanced delivery and imaging functionalities. Radiation Oncology, 2011, 6, 129.	1.2	7
140	Evaluation of target dose inhomogeneity in breast cancer treatment due to tissue elemental differences. Radiation Oncology, 2018, 13, 92.	1.2	7
141	The Simultaneous Integrated Boost with proton beams in head and neck patients. Zeitschrift Fur Medizinische Physik, 2004, 14, 180-188.	0.6	6
142	Multi-isocentric 4 " volumetric" modulated arc therapy approach for head and neck cancer. Journal of Applied Clinical Medical Physics, 2017, 18, 293-300.	0.8	6
143	Hypofractionated volumetric modulated arc therapy in ductal carcinoma <i>in situ</i> : toxicity and cosmetic outcome from a prospective series. British Journal of Radiology, 2018, 91, 20170634.	1.0	4
144	Semiautomatic method to identify the best phase for gated RT in lung region by 4D PET/CT acquisitions. Medical Physics, 2011, 38, 354-362.	1.6	3

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145	Outcome and toxicity profiles in the treatment of locally advanced lung cancer with volumetric modulated arc therapy. <i>Journal of Cancer Research and Clinical Oncology</i> , 2014, 140, 1937-1945.	1.2	3
146	Dosimetric impact of volumetric modulated arc therapy for nasopharyngeal cancer treatment. <i>Reports of Practical Oncology and Radiotherapy</i> , 2021, 26, 101-110.	0.3	3
147	The Potential Role of Intensity-Modulated Proton Therapy in Hepatic Carcinoma in Mitigating the Risk of Dose De-Escalation. <i>Technology in Cancer Research and Treatment</i> , 2020, 19, 153303382098041.	0.8	2
148	An adaptable mechanical multileaf delineator. <i>Radiotherapy and Oncology</i> , 1999, 52, 277-280.	0.3	1
149	Hippocampus avoidance with fan beam and volumetric arc radiotherapy for base of skull tumours. <i>Journal of Radiotherapy in Practice</i> , 2010, 9, 87-98.	0.2	1
150	The impact of scanning data measurements on the Acuros dose calculation algorithm configuration. <i>Radiation Oncology</i> , 2020, 15, 169.	1.2	1
151	Treatment: Outcome and Toxicity of Volumetric Modulated Arc Therapy in Oropharyngeal Carcinoma. <i>Anticancer Research</i> , 2016, 36, 3451-7.	0.5	1
152	Reply to the Letter to the editor on Cranio-spinal irradiation with volumetric modulated arc therapy by G. Saini et al.. <i>Radiotherapy and Oncology</i> , 2012, 102, 322-323.	0.3	0