

Emiliano Spezi

List of Publications by Year in descending order

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Version: 2024-02-01

151
papers

4,484
citations

147801

31
h-index

110387

64
g-index

157
all docs

157
docs citations

157
times ranked

5440
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of lymph node metastases using pre-treatment PET radiomics of the primary tumour in esophageal adenocarcinoma: an external validation study. <i>British Journal of Radiology</i> , 2021, 94, 20201042.	2.2	13
2	Use of knowledge based DVH predictions to enhance automated re-planning strategies in head and neck adaptive radiotherapy. <i>Physics in Medicine and Biology</i> , 2021, 66, 135004.	3.0	3
3	Prediction of Early Distant Recurrence in Upfront Resectable Pancreatic Adenocarcinoma: A Multidisciplinary, Machine Learning-Based Approach. <i>Cancers</i> , 2021, 13, 4938.	3.7	16
4	Artificial intelligence in radiation oncology: A review of its current status and potential application for the radiotherapy workforce. <i>Radiography</i> , 2021, 27, S63-S68.	2.1	12
5	FIELD ^{RT} : an open-source platform for the assessment of target volume delineation in radiation therapy. <i>British Journal of Radiology</i> , 2021, 94, 20210356.	2.2	2
6	Variations in Head and Neck Treatment Plan Quality Assessment Among Radiation Oncologists and Medical Physicists in a Single Radiotherapy Department. <i>Frontiers in Oncology</i> , 2021, 11, 706034.	2.8	1
7	Distributed learning on 20 000+ lung cancer patients â€“ The Personal Health Train. <i>Radiotherapy and Oncology</i> , 2020, 144, 189-200.	0.6	97
8	From multisource data to clinical decision aids in radiation oncology: The need for a clinical data science community. <i>Radiotherapy and Oncology</i> , 2020, 153, 43-54.	0.6	20
9	Training and validation of a robust PET radiomic-based index to predict distant-relapse-free-survival after radio-chemotherapy for locally advanced pancreatic cancer. <i>Radiotherapy and Oncology</i> , 2020, 153, 258-264.	0.6	19
10	Impact Of Metabolic Response-Based Adaptive Radiotherapy On The High Dose Volume And Normal Tissue Structures In Human Papilloma Virus-Positive Oropharyngeal Squamous Cell Carcinoma: A Pilot In-Silico Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, e804-e805.	0.8	0
11	Comparison of different calculation techniques for absorbed dose assessment in patient specific peptide receptor radionuclide therapy. <i>PLoS ONE</i> , 2020, 15, e0236466.	2.5	9
12	The Image Biomarker Standardization Initiative: Standardized Quantitative Radiomics for High-Throughput Image-based Phenotyping. <i>Radiology</i> , 2020, 295, 328-338.	7.3	1,869
13	A Self Organizing Map for Exploratory Analysis of PET Radiomic Features. , 2020, , .		0
14	PD-0422: Evaluating inter-observer variation in oesophageal target volume delineation. <i>Radiotherapy and Oncology</i> , 2020, 152, S229-S230.	0.6	0
15	PO-1504: Pareto navigation guided automated planning: is a single patient enough to calibrate a solution?. <i>Radiotherapy and Oncology</i> , 2020, 152, S811-S812.	0.6	0
16	PO-1565: Multiparametric MRI radiomics model to predict overall survival in Glioblastoma Multiforme. <i>Radiotherapy and Oncology</i> , 2020, 152, S847-S848.	0.6	0
17	PO-1568: The Impact of Varying Number of OSEM Subsets on PET Radiomic Features: A Preclinical Study. <i>Radiotherapy and Oncology</i> , 2020, 152, S849.	0.6	0
18	Assessment of contour variability in target volumes and organs at risk in lung cancer radiotherapy. <i>Technical Innovations and Patient Support in Radiation Oncology</i> , 2019, 10, 8-12.	1.9	23

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19	Cyclo-oxygenase-2 expression is associated with mean standardised uptake value on 18F-Fluorodeoxyglucose positron emission tomography in oesophageal adenocarcinoma. <i>British Journal of Radiology</i> , 2019, 92, 20180668.	2.2	4
20	Assessing radiomic feature robustness to interpolation in 18F-FDG PET imaging. <i>Scientific Reports</i> , 2019, 9, 9649.	3.3	52
21	Interim 18F-FDG Positron Emission Tomography/Computed Tomography During Chemoradiotherapy in the Management of Cancer Patients: a Response. <i>Clinical Oncology</i> , 2019, 31, 669-670.	1.4	1
22	EP-1666 ARENA: Improving training in target volume delineation for radiotherapy. <i>Radiotherapy and Oncology</i> , 2019, 133, S896-S897.	0.6	1
23	EP-1748 Adaptive solution for an improved treatment verification using Dosimetry Check system. <i>Radiotherapy and Oncology</i> , 2019, 133, S942-S943.	0.6	0
24	PO-0996 A knowledge-based tool to estimate the gain of re-planning strategy for Head and Neck (HN) ART. <i>Radiotherapy and Oncology</i> , 2019, 133, S548-S549.	0.6	0
25	OC-0183 Multi-Institutional Evaluation of a Pareto Navigation Guided Automated Planning Solution. <i>Radiotherapy and Oncology</i> , 2019, 133, S92-S93.	0.6	0
26	OC-0544 Distributed learning on 20 000+ lung cancer patients. <i>Radiotherapy and Oncology</i> , 2019, 133, S287-S288.	0.6	0
27	PO-0963 A novel normalisation technique for voxel size dependent radiomic features in oesophageal cancer. <i>Radiotherapy and Oncology</i> , 2019, 133, S523-S524.	0.6	0
28	PO-0964 Stability and prognostic significance of CT radiomic features from oesophageal cancer patients. <i>Radiotherapy and Oncology</i> , 2019, 133, S524-S525.	0.6	0
29	EP-1926 Radiomics in rectal cancer: prognostic significance of 3D features extracted from diagnostic MRI. <i>Radiotherapy and Oncology</i> , 2019, 133, S1048.	0.6	0
30	EP-2010 A QA method for evaluation of deformable image registration in head and neck adaptive radiotherapy. <i>Radiotherapy and Oncology</i> , 2019, 133, S1101.	0.6	0
31	Evaluating the application of Pareto navigation guided automated radiotherapy treatment planning to prostate cancer. <i>Radiotherapy and Oncology</i> , 2019, 141, 220-226.	0.6	6
32	Machine-learned target volume delineation of 18F-FDG PET images after one cycle of induction chemotherapy. <i>Physica Medica</i> , 2019, 61, 85-93.	0.7	5
33	EP-1744 Enhancing the accuracy in VMAT dose verification by the use of EPID-based commercial software. <i>Radiotherapy and Oncology</i> , 2019, 133, S940-S941.	0.6	0
34	Utilisation of Pareto navigation techniques to calibrate a fully automated radiotherapy treatment planning solution. <i>Physics and Imaging in Radiation Oncology</i> , 2019, 10, 41-48.	2.9	6
35	Partial volume effect of SPECT images in PRRT with 177Lu labelled somatostatin analogues: A practical solution. <i>Physica Medica</i> , 2019, 57, 153-159.	0.7	14
36	Can Deep Learning Detect Esophageal Lesions In PET-CT Scans?. , 2019, , .		2

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37	The Statistical Influence of Imaging Time and Segmentation Volume on PET Radiomic Features: A Preclinical Study. , 2019, , .		3
38	Discovery of stable and prognostic CT-based radiomic features independent of contrast administration and dimensionality in oesophageal cancer. PLoS ONE, 2019, 14, e0225550.	2.5	11
39	External Validation of Radiation-Induced Dyspnea Models on Esophageal Cancer Radiotherapy Patients. Frontiers in Oncology, 2019, 9, 1411.	2.8	10
40	External validation of a prognostic model incorporating quantitative PET image features in oesophageal cancer. Radiotherapy and Oncology, 2019, 133, 205-212.	0.6	21
41	Using deep machine learning to detect esophageal lesions in PET-CT scans. , 2019, , .		6
42	Effect of image registration on 3D absorbed dose calculations in 177 Lu-DOTATOC peptide receptor radionuclide therapy. Physica Medica, 2018, 45, 177-185.	0.7	7
43	Design and characterization of tissue-mimicking gel phantoms for diffusion kurtosis imaging. Medical Physics, 2018, 45, 2476-2485.	3.0	13
44	Evaluation of prognostic models developed using standardised image features from different PET automated segmentation methods. EJNMMI Research, 2018, 8, 29.	2.5	9
45	Development and validation of a prognostic model incorporating texture analysis derived from standardised segmentation of PET in patients with oesophageal cancer. European Radiology, 2018, 28, 428-436.	4.5	52
46	[OA169] Advanced personalised 3D dosimetry for peptide receptor radionuclide therapy based on monte carlo method. Physica Medica, 2018, 52, 65.	0.7	0
47	PV-0318: External Validation of Radiation-Induced Dyspnea Models on Esophageal Cancer Radiotherapy Patients. Radiotherapy and Oncology, 2018, 127, S168.	0.6	0
48	OC-0420: Evaluating the variability of hippocampal contouring and dosimetric effect in Hippocampal sparing WBRT. Radiotherapy and Oncology, 2018, 127, S219-S220.	0.6	0
49	PO-0931: Dependency of patient risk stratification on PET target volume definition in Oesophageal cancer. Radiotherapy and Oncology, 2018, 127, S503-S504.	0.6	0
50	EP-1126: Target volume delineation of PET post one cycle of induction chemotherapy in oropharyngeal cancer. Radiotherapy and Oncology, 2018, 127, S634-S635.	0.6	1
51	EP-1959: Does library sub-categorisation improve auto-outlining accuracy in breast radiotherapy planning?. Radiotherapy and Oncology, 2018, 127, S1065.	0.6	0
52	EP-2117: Effect of Interpolation on 3D Texture Analysis of PET Imaging in Oesophageal Cancer. Radiotherapy and Oncology, 2018, 127, S1164-S1165.	0.6	1
53	EP-2141: Evaluation of 2D and 3D radiomics features extracted from CT images of oesophageal cancer patients. Radiotherapy and Oncology, 2018, 127, S1180-S1181.	0.6	0
54	Technical Note: Extension of CERR for computational radiomics: A comprehensive MATLAB platform for reproducible radiomics research. Medical Physics, 2018, 45, 3713-3720.	3.0	114

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55	Head and neck target delineation using a novel PET automatic segmentation algorithm. <i>Radiotherapy and Oncology</i> , 2017, 122, 242-247.	0.6	41
56	Classification and evaluation strategies of auto-segmentation approaches for PET: Report of AAPM task group No. 211. <i>Medical Physics</i> , 2017, 44, e1-e42.	3.0	162
57	Toward a standard for the evaluation of <sc>PET</sc>â€™ segmentation methods following the recommendations of AAPM task group No. 211: Requirements and implementation. <i>Medical Physics</i> , 2017, 44, 4098-4111.	3.0	35
58	Optimization of zirconium-89 production in IBA Cyclone 18/9 cyclotron with COSTIS solid target system. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	2
59	Abstract ID: 160 Advanced personalised 3D dosimetry based on Monte Carlo simulation for Peptide Receptor Radionuclide Therapy. <i>Physica Medica</i> , 2017, 42, 34.	0.7	0
60	OC-0265: Evaluating variability of contouring using ESTRO guidelines for elective breast cancer radiotherapy. <i>Radiotherapy and Oncology</i> , 2017, 123, S136-S137.	0.6	1
61	PV-0323: Development of a prognostic model incorporating PET texture analysis in oesophageal cancer patients. <i>Radiotherapy and Oncology</i> , 2017, 123, S169.	0.6	0
62	OC-0446: A Fully Automated VMAT Planning System with Site-Configurable Algorithm. <i>Radiotherapy and Oncology</i> , 2017, 123, S236-S237.	0.6	0
63	EP-1333: Impact of 18 F-Choline PET scan acquisition time on delineation of GTV in Prostate cancer. <i>Radiotherapy and Oncology</i> , 2017, 123, S714-S715.	0.6	1
64	EP-1454: Comparison of Treatment Planning Algorithms and Monte Carlo Simulations in Oesophageal Radiotherapy. <i>Radiotherapy and Oncology</i> , 2017, 123, S776.	0.6	0
65	EP-1711: Effect of Noise Floor Suppression on Diffusion Kurtosis for Prostate Brachytherapy. <i>Radiotherapy and Oncology</i> , 2017, 123, S938.	0.6	1
66	Phantom validation of quantitative Y-90 PET/CT-based dosimetry in liver radioembolization. <i>EJNMMI Research</i> , 2017, 7, 94.	2.5	28
67	Variations in the practice of molecular radiotherapy and implementation of dosimetry: results from a European survey. <i>EJNMMI Physics</i> , 2017, 4, 28.	2.7	65
68	Dosimetry-based treatment planning for molecular radiotherapy: a summary of the 2017 report from the Internal Dosimetry Task Force. <i>EJNMMI Physics</i> , 2017, 4, 27.	2.7	71
69	Imaging Dose in Radiation Therapy. , 2017, , 553-580.		1
70	P-222 Analysis of tumour contours and radiotherapy planning of â€™on-trialâ€™ patients undergoing chemoradiotherapy (CRT) in SCALOP trial: does pre-trial Radiotherapy Quality Assurance (RTQA) improve the quality of â€™on-trialâ€™ radiotherapy?. <i>Annals of Oncology</i> , 2016, 27, ii64.	1.2	0
71	ATLAAS: an automatic decision tree-based learning algorithm for advanced image segmentation in positron emission tomography. <i>Physics in Medicine and Biology</i> , 2016, 61, 4855-4869.	3.0	41
72	Superiority of Deformable Image Co-registration in the Integration of Diagnostic Positron Emission Tomography-Computed Tomography to the Radiotherapy Treatment Planning Pathway for Oesophageal Carcinoma. <i>Clinical Oncology</i> , 2016, 28, 655-662.	1.4	9

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73	Comparison of investigator-delineated gross tumour volumes and quality assurance in pancreatic cancer: Analysis of the on-trial cases for the SCALOP trial. <i>Radiotherapy and Oncology</i> , 2016, 120, 212-216.	0.6	23
74	PO-0711: Relating CT image heterogeneity to patient outcome in the SCOPE 1 oesophageal cancer trial. <i>Radiotherapy and Oncology</i> , 2016, 119, S332-S333.	0.6	0
75	PO-0933: Towards standardisation of PET auto-segmentation with the ATLAAS machine learning algorithm. <i>Radiotherapy and Oncology</i> , 2016, 119, S452.	0.6	0
76	EP-1819: Plan of the Day is the optimal approach to address organ motion for cervical cancer IMRT. <i>Radiotherapy and Oncology</i> , 2016, 119, S853.	0.6	0
77	EP-1872: Benchmarking texture analysis for PET in oesophageal cancer. <i>Radiotherapy and Oncology</i> , 2016, 119, S883.	0.6	0
78	EP-1878: Feasibility of gel phantoms in MRI for the assessment of kurtosis for prostate brachytherapy. <i>Radiotherapy and Oncology</i> , 2016, 119, S887-S888.	0.6	0
79	EP-1794: Quantification of stomach movement using CBCT images. <i>Radiotherapy and Oncology</i> , 2016, 119, S840-S841.	0.6	0
80	Prospective review of radiotherapy trials through implementation of standardized multicentre workflow and IT infrastructure. <i>British Journal of Radiology</i> , 2016, 89, 20160020.	2.2	9
81	EP-1918: Radiotherapy quality assurance in the TREC trial. <i>Radiotherapy and Oncology</i> , 2016, 119, S910.	0.6	0
82	PO-0949: Automated approval of a pre trial benchmark RTTQA case. The ARISTOTLE experience. <i>Radiotherapy and Oncology</i> , 2016, 119, S461-S462.	0.6	0
83	EP-1644: Fast, high quality, semi-automated and fully-automated prostate radiotherapy treatment planning. <i>Radiotherapy and Oncology</i> , 2016, 119, S768.	0.6	0
84	The influence of dose distribution on treatment outcome in the SCOPE 1 oesophageal cancer trial. <i>Radiation Oncology</i> , 2016, 11, 19.	2.7	5
85	PETSTEP: Generation of synthetic PET lesions for fast evaluation of segmentation methods. <i>Physica Medica</i> , 2015, 31, 969-980.	0.7	28
86	The effect of dose escalation on gastric toxicity when treating lower oesophageal tumours: a radiobiological investigation. <i>Radiation Oncology</i> , 2015, 10, 236.	2.7	4
87	A novel phantom technique for evaluating the performance of PET auto-segmentation methods in delineating heterogeneous and irregular lesions. <i>EJNMMI Physics</i> , 2015, 2, 13.	2.7	13
88	Comparison of investigator-delineated gross tumor volumes and quality assurance in pancreatic cancer: Analysis of the pretrial benchmark case for the SCALOP trial. <i>Radiotherapy and Oncology</i> , 2015, 117, 432-437.	0.6	22
89	Imaging dose from cone beam computed tomography in radiation therapy. <i>Physica Medica</i> , 2015, 31, 647-658.	0.7	111
90	Characterization of an orthovoltage biological irradiator used for radiobiological research. <i>Journal of Radiation Research</i> , 2015, 56, 485-492.	1.6	18

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91	SU-E-A-69: A Radiobiological Investigation of Dose Escalation in Lower Oesophageal Tumours with a Focus On Gastric Toxicity. <i>Medical Physics</i> , 2015, 42, 3346-3347.	3.0	0
92	TH-A-B-304: The Influence of Radiotherapy Treatment Method On Dose Distribution and Its Relation to Patient Outcome in the SCOPE 1 Oesophageal Cancer Trial Using Type B Algorithms. <i>Medical Physics</i> , 2015, 42, 3703-3703.	3.0	0
93	Dose calculation and treatment plan optimization including imaging dose from kilovoltage cone beam computed tomography. <i>Acta Oncologica</i> , 2014, 53, 839-844.	1.8	23
94	Evaluation of advanced automatic PET segmentation methods using nonspherical thin-wall inserts. <i>Medical Physics</i> , 2014, 41, 022502.	3.0	15
95	Creating a data exchange strategy for radiotherapy research: Towards federated databases and anonymised public datasets. <i>Radiotherapy and Oncology</i> , 2014, 113, 303-309.	0.6	79
96	Pretherapeutic Dosimetry in Patients Affected by Metastatic Thyroid Cancer Using 124I PET/CT Sequential Scans for 131I Treatment Planning. <i>Clinical Nuclear Medicine</i> , 2014, 39, e367-e374.	1.3	28
97	Progress Towards Prospective Real-Time Review of Outlining in GI Trials at a UK Radiation Therapy Quality Assurance Center. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 90, S734-S735.	0.8	0
98	Esophageal Delineation - Lessons Learned From Pre-Accrual Benchmark Cases in the UK NeoSCOPE Esophageal Trial. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 90, S10.	0.8	1
99	Oesophageal Chemoradiotherapy in the UK - Current Practice and Future Directions. <i>Clinical Oncology</i> , 2013, 25, 368-377.	1.4	24
100	Special section: Selected papers from the Third European Workshop on Monte Carlo Treatment Planning (MCTP2012). <i>Physics in Medicine and Biology</i> , 2013, 58, E01.	3.0	1
101	Development and validation of RAYDOSE: a Geant4-based application for molecular radiotherapy. <i>Physics in Medicine and Biology</i> , 2013, 58, 2491-2508.	3.0	52
102	Improving radiotherapy quality assurance in clinical trials: assessment of target volume delineation of the pre-accrual benchmark case. <i>British Journal of Radiology</i> , 2013, 86, 20120398.	2.2	42
103	Influence of cold walls on PET image quantification and volume segmentation: A phantom study. <i>Medical Physics</i> , 2013, 40, 082505.	3.0	32
104	SU-E-J-08: Assessing and Minimizing the Dose From KV Cone Beam CT to Pediatric Patients Undergoing Radiation Therapy. <i>Medical Physics</i> , 2013, 40, 151-151.	3.0	4
105	WE-E-108-08: Dosimetric and Biological Benchmarking of a Murine Total Marrow Irradiation Platform. <i>Medical Physics</i> , 2013, 40, 489-489.	3.0	0
106	Commissioning kilovoltage cone beam CT beams in a radiation therapy treatment planning system. <i>Journal of Applied Clinical Medical Physics</i> , 2012, 13, 19-33.	1.9	25
107	Patient-Specific Three-Dimensional Concomitant Dose From Cone Beam Computed Tomography Exposure in Image-Guided Radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 83, 419-426.	0.8	59
108	Toward Semi-automated Assessment of Target Volume Delineation in Radiotherapy Trials: The SCOPE 1 Pretrial Test Case. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 84, 1037-1042.	0.8	28

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109	Imaging for Target Volume Delineation in Rectal Cancer Radiotherapy – A Systematic Review. <i>Clinical Oncology</i> , 2012, 24, 52-63.	1.4	34
110	SU-E-J-15: Calculating the Dose from KV Cone Beam CT Within and Outside the Treatment Volume Using a Treatment Planning System. <i>Medical Physics</i> , 2012, 39, 3655-3655.	3.0	0
111	1220 poster INCORPORATING CBCT CONCOMITANT DOSE IN TREATMENT PLANNING. <i>Radiotherapy and Oncology</i> , 2011, 99, S454-S455.	0.6	0
112	380 oral A VIRTUAL SOURCE MODEL FOR CONE BEAM CT DOSE DEPOSITION. <i>Radiotherapy and Oncology</i> , 2011, 99, S150.	0.6	0
113	522 oral TREATMENT PLANNING SYSTEM BASED EXIT DOSIMETRY. <i>Radiotherapy and Oncology</i> , 2011, 99, S212.	0.6	0
114	1473 poster DOSIMETRIC CHARACTERISATION OF A CARBON FIBRE TABLE-TOP IN THE KV ENERGY RANGE. <i>Radiotherapy and Oncology</i> , 2011, 99, S548-S549.	0.6	0
115	Inter-observer Variation in Outlining of Pre-trial Test Case in the SCOPE1 Trial: A United Kingdom Definitive Chemoradiotherapy Trial for Esophageal Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 81, S67-S68.	0.8	3
116	A virtual source model for Kilo-voltage cone beam CT: Source characteristics and model validation. <i>Medical Physics</i> , 2011, 38, 5254-5263.	3.0	14
117	Special section: Selected papers from the Second European Workshop on Monte Carlo Treatment Planning (MCTP2009). <i>Physics in Medicine and Biology</i> , 2010, 55, .	3.0	0
118	An investigation of the accuracy of Monte Carlo portal dosimetry for verification of IMRT with extended fields. <i>Physics in Medicine and Biology</i> , 2010, 55, 4589-4600.	3.0	6
119	SU-EGG-52: Inclusion of KV CBCT Dose in the Patient Treatment Plans and Evaluation of Dose to Normal Tissue and Critical Organs. <i>Medical Physics</i> , 2010, 37, 3157-3157.	3.0	0
120	Monte Carlo simulation of an x-ray volume imaging cone beam CT unit. <i>Medical Physics</i> , 2009, 36, 127-136.	3.0	46
121	Monte Carlo simulation and patient dosimetry for a kilovoltage cone-beam CT unit. <i>Medical Physics</i> , 2009, 36, 4156-4167.	3.0	67
122	Simulating oblique incident irradiation using the BEAMnrc Monte Carlo code. <i>Physics in Medicine and Biology</i> , 2009, 54, N93-N100.	3.0	5
123	Reply to [Comment on "Monte Carlo simulation of an x-ray volume imaging cone beam CT unit" <i>Med. Phys.</i> 36, 1039 (2009)]. <i>Medical Physics</i> , 2009, 36, 1040-1040.	3.0	0
124	Combined 18F-FDG-PET/CT Imaging in Radiotherapy Target Delineation for Head-and-Neck Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 73, 759-763.	0.8	94
125	DEVELOPMENT OF A MONTE CARLO BASED TECHNIQUE TO IMPROVE ACCURACY OF PORTAL DOSIMETRY. <i>Radiotherapy and Oncology</i> , 2009, 92, S212.	0.6	0
126	High-performance computing for Monte Carlo radiotherapy calculations. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 2607-2617.	3.4	11

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127	SU-FF-J-07: Modeling the Elekta XVI CBCT Beam in a Commercial Treatment Planning System. Medical Physics, 2009, 36, 2476-2476.	3.0	0
128	Monte Carlo characterization of materials for prosthetic implants and dosimetric validation of Pinnacle3 TPS. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 5001-5006.	1.4	8
129	An overview of Monte Carlo treatment planning for radiotherapy. Radiation Protection Dosimetry, 2008, 131, 123-129.	0.8	39
130	Evaluating the influence of the Siemens IGRT carbon fibre tabletop in head and neck IMRT. Radiotherapy and Oncology, 2008, 89, 114-122.	0.6	33
131	A distributed simulation framework for conformal radiotherapy. Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on, 2008, , .	1.0	3
132	Characterization of materials for prosthetic implants using the BEAMnrc Monte Carlo code. Journal of Physics: Conference Series, 2007, 74, 021016.	0.4	5
133	Monte Carlo simulation of the SIEMENS IGRT carbon fibre tabletop. Journal of Physics: Conference Series, 2007, 74, 021017.	0.4	3
134	Conversion of CT numbers into tissue parameters for Monte Carlo dose calculations: a multi-centre study. Physics in Medicine and Biology, 2007, 52, 539-562.	3.0	91
135	Dosimetric Characteristics of the Siemens IGRT Carbon Fiber Tabletop. Medical Dosimetry, 2007, 32, 295-298.	0.9	34
136	SU-FF-A-181: Dosimetric Uncertainties in IMRT QA in Plastic Phantoms Due to CT Calibration. Medical Physics, 2007, 34, 2442-2442.	3.0	0
137	Gamma histograms for radiotherapy plan evaluation. Radiotherapy and Oncology, 2006, 79, 224-230.	0.6	47
138	A Multiple acquisition sequence for IMRT verification with a 2D ion chamber array. Medical Dosimetry, 2006, 31, 269-272.	0.9	13
139	SU-FF-T-409: The Computational Environment for Radiotherapy Research: New Tools for Multi-Modality Imaging, Treatment Plan Comparisons, and Plan Evaluations. Medical Physics, 2006, 33, 2140-2140.	3.0	0
140	Characterization of a 2D ion chamber array for the verification of radiotherapy treatments. Physics in Medicine and Biology, 2005, 50, 3361-3373.	3.0	171
141	79 Conversion of CT numbers into tissue parameters for Monte Carlo dose calculations. Radiotherapy and Oncology, 2005, 76, S46-S47.	0.6	0
142	195 Evaluation of the treatment planning system of the Cyberknife by means of a comparison to Monte Carlo calculation. Radiotherapy and Oncology, 2005, 76, S96.	0.6	0
143	401 IMRT plan verification using a 2D ion chamber array. Radiotherapy and Oncology, 2005, 76, S176-S177.	0.6	0
144	SU-FF-T-360: Software Tools for 4-D and Adaptive Treatment Planning Data Visualization and Manipulation (CERR Version 3). Medical Physics, 2005, 32, 2033-2033.	3.0	0

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145	Correction for dose-response variations in a scanning liquid ion chamber EPID as a function of linac gantry angle. <i>Physics in Medicine and Biology</i> , 2004, 49, N93-N103.	3.0	14
146	Full forward Monte Carlo calculation of portal dose from MLC collimated treatment beams. <i>Physics in Medicine and Biology</i> , 2004, 49, 355-355.	3.0	1
147	Monte Carlo simulation of portal dosimetry on a rectilinear voxel geometry: a variable gantry angle solution. <i>Physics in Medicine and Biology</i> , 2003, 48, N231-N238.	3.0	14
148	Optimization of accelerator target and detector for portal imaging using Monte Carlo simulation and experiment. <i>Physics in Medicine and Biology</i> , 2002, 47, 3331-3349.	3.0	36
149	Full forward Monte Carlo calculation of portal dose from MLC collimated treatment beams. <i>Physics in Medicine and Biology</i> , 2002, 47, 377-390.	3.0	35
150	A DICOM-RT-based toolbox for the evaluation and verification of radiotherapy plans. <i>Physics in Medicine and Biology</i> , 2002, 47, 4223-4232.	3.0	61
151	Monte Carlo simulation and dosimetric verification of radiotherapy beam modifiers. <i>Physics in Medicine and Biology</i> , 2001, 46, 3007-3029.	3.0	29