

Dirk Verellen

List of Publications by Year in descending order

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Version: 2024-02-01

176
papers

8,473
citations

71004

43
h-index

56606

87
g-index

178
all docs

178
docs citations

178
times ranked

7487
citing authors

#	ARTICLE	IF	CITATIONS
1	The 3rd ESTRO-EFOMP core curriculum for medical physics experts in radiotherapy. <i>Radiotherapy and Oncology</i> , 2022, 170, 89-94.	0.3	11
2	Model Calibration of Pharmacokinetic-Pharmacodynamic Lung Tumour Dynamics for Anticancer Therapies. <i>Journal of Clinical Medicine</i> , 2022, 11, 1006.	1.0	8
3	Lung Restriction in Patients With Breast Cancer After Hypofractionated and Conventional Radiation Therapy: A 10-Year Follow-up. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 113, 561-569.	0.4	5
4	Comparing treatment uncertainty for ultra- vs. standard-hypofractionated breast radiation therapy based on in-vivo dosimetry. <i>Physics and Imaging in Radiation Oncology</i> , 2022, 22, 85-90.	1.2	7
5	Precision of image-guided spinal stereotactic ablative radiotherapy and impact of positioning variables. <i>Physics and Imaging in Radiation Oncology</i> , 2022, 22, 73-76.	1.2	5
6	Application of a novel diamond detector for commissioning of FLASH radiotherapy electron beams. <i>Medical Physics</i> , 2022, 49, 5513-5522.	1.6	15
7	Stereotactic Ablative Radiation Therapy to All Lesions in Patients With Oligometastatic Cancers: A Phase 1 Dose-Escalation Trial. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 109, 1195-1205.	0.4	12
8	Real-time two dimensional dosimetry using Al ₂ O ₃ :C and Al ₂ O ₃ :C,Mg films. <i>Sensors and Actuators A: Physical</i> , 2021, 318, 112491.	2.0	0
9	X-change symposium: status and future of modern radiation oncologyâ€”from technology to biology. <i>Radiation Oncology</i> , 2021, 16, 27.	1.2	1
10	Artificial Intelligence in magnetic Resonance guided Radiotherapy: Medical and physical considerations on state of art and future perspectives. <i>Physica Medica</i> , 2021, 85, 175-191.	0.4	60
11	Professional practice changes in radiotherapy physics during the COVID-19 pandemic. <i>Physics and Imaging in Radiation Oncology</i> , 2021, 19, 25-32.	1.2	5
12	Lung Tumor Growth Modeling in Patients with NSCLC Undergoing Radiotherapy. <i>IFAC-PapersOnLine</i> , 2021, 54, 233-238.	0.5	3
13	Parametric models for monitoring respiratory properties in lung cancer. , 2021, , .		0
14	Outlining the Landscape of Personalized Lung Cancer Treatment in the Era of Cyber-Physical Systems[*]. , 2021, , .		0
15	Characterisation and classification of oligometastatic disease: a European Society for Radiotherapy and Oncology and European Organisation for Research and Treatment of Cancer consensus recommendation. <i>Lancet Oncology</i> , The, 2020, 21, e18-e28.	5.1	588
16	The mean absolute dose deviationâ€”A common metric for the evaluation of dose-volume histograms in radiation therapy. <i>Medical Dosimetry</i> , 2020, 45, 186-189.	0.4	4
17	Variation in current prescription practice of stereotactic body radiotherapy for peripherally located early stage non-small cell lung cancer: Recommendations for prescribing and recording according to the ACROP guideline and ICRU report 91. <i>Radiotherapy and Oncology</i> , 2020, 142, 217-223.	0.3	29
18	Two-Level Factorial Pre-TomoBreast Pilot Study of Tomotherapy and Conventional Radiotherapy in Breast Cancer: Post Hoc Utility of a Mean Absolute Dose Deviation Penalty Score. <i>Technology in Cancer Research and Treatment</i> , 2020, 19, 153303382094775.	0.8	5

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19	RealDRR – Rendering of realistic digitally reconstructed radiographs using locally trained image-to-image translation. <i>Radiotherapy and Oncology</i> , 2020, 153, 213-219.	0.3	18
20	The gimbaled-head radiotherapy system: Rise and downfall of a dedicated system for dynamic tumor tracking with real-time monitoring and dynamic WaveArc. <i>Radiotherapy and Oncology</i> , 2020, 153, 311-318.	0.3	11
21	The use of simulation-CT™s as a coronavirus disease 2019 screening tool during the severe acute respiratory syndrome coronavirus 2 pandemic. <i>Radiotherapy and Oncology</i> , 2020, 151, 17-19.	0.3	3
22	Oncological outcome, postoperative complications, and mammographic changes after intraoperative radiotherapy with electrons (IOERT) as a boost in a large single-institution cohort of breast cancer patients. <i>Breast Journal</i> , 2020, 26, 1937-1945.	0.4	4
23	Two-dimensional real-time quality assurance dosimetry system using $^{24}\text{Al}_2\text{O}_3\text{:C,Mg}$ radioluminescence films. <i>Physics and Imaging in Radiation Oncology</i> , 2020, 16, 26-32.	1.2	9
24	Outcome and toxicity of hypofractionated image-guided SABR for spinal oligometastases. <i>Clinical and Translational Radiation Oncology</i> , 2020, 24, 65-70.	0.9	7
25	Overview of artificial intelligence-based applications in radiotherapy: Recommendations for implementation and quality assurance. <i>Radiotherapy and Oncology</i> , 2020, 153, 55-66.	0.3	147
26	Evaluation of automated pre-treatment and transit in-vivo dosimetry in radiotherapy using empirically determined parameters. <i>Physics and Imaging in Radiation Oncology</i> , 2020, 16, 113-129.	1.2	32
27	In vivo dosimetry for patients with prostate cancer to assess possible impact of bladder and rectum preparation. <i>Technical Innovations and Patient Support in Radiation Oncology</i> , 2020, 16, 65-69.	0.6	8
28	Reliability of ITV approach to varying treatment fraction time: a retrospective analysis based on 2D cine MR images. <i>Radiation Oncology</i> , 2020, 15, 152.	1.2	13
29	A Minimal PKPD Interaction Model for Evaluating Synergy Effects of Combined NSCLC Therapies. <i>Journal of Clinical Medicine</i> , 2020, 9, 1832.	1.0	17
30	A novel procedure for determining the optimal MLC configuration parameters in treatment planning systems based on measurements with a Farmer chamber. <i>Physics in Medicine and Biology</i> , 2020, 65, 155006.	1.6	13
31	Machine learning applications in radiation oncology: Current use and needs to support clinical implementation. <i>Physics and Imaging in Radiation Oncology</i> , 2020, 16, 144-148.	1.2	39
32	Management of Respiratory-Induced Tumour Motion for Tailoring Target Volumes during Radiation Therapy. <i>Medical Radiology</i> , 2020, , 47-68.	0.0	1
33	Adapting training for medical physicists to match future trends in radiation oncology. <i>Physics and Imaging in Radiation Oncology</i> , 2019, 11, 71-75.	1.2	6
34	A phase III randomized-controlled, single-blind trial to improve quality of life with stereotactic body radiotherapy for patients with painful bone metastases (ROBOMET). <i>BMC Cancer</i> , 2019, 19, 876.	1.1	10
35	Multi-object tracking in MRI-guided radiotherapy using the tracking-learning-detection framework. <i>Radiotherapy and Oncology</i> , 2019, 138, 25-29.	0.3	11
36	Radiation Oncology. Optimal Health for All, Together. ESTRO vision, 2030. <i>Radiotherapy and Oncology</i> , 2019, 136, 86-97.	0.3	24

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37	The photopolymerization of DC8,9PC in microbubbles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 568, 371-380.	2.3	8
38	Is there any benefit to particles over photon radiotherapy?. <i>Ecancermedicalsecience</i> , 2019, 13, 982.	0.6	6
39	Radioluminescence results from an Al ₂ O ₃ :C fiber prototype: 6 MV medical beam. <i>Sensors and Actuators A: Physical</i> , 2018, 274, 1-9.	2.0	13
40	The long- and short-term variability of breathing induced tumor motion in lung and liver over the course of a radiotherapy treatment. <i>Radiotherapy and Oncology</i> , 2018, 126, 339-346.	0.3	96
41	Automation in intensity modulated radiotherapy treatment planning—a review of recent innovations. <i>British Journal of Radiology</i> , 2018, 91, 20180270.	1.0	150
42	Predicting tumour motion during the whole radiotherapy treatment: a systematic approach for thoracic and abdominal lesions based on real time MR. <i>Radiotherapy and Oncology</i> , 2018, 129, 456-462.	0.3	56
43	A phase I dose-escalation trial of stereotactic ablative body radiotherapy for non-spine bone and lymph node metastases (DESTROY-trial). <i>Radiation Oncology</i> , 2018, 13, 152.	1.2	8
44	Treating patients with Dynamic Wave Arc: First clinical experience. <i>Radiotherapy and Oncology</i> , 2017, 122, 347-351.	0.3	10
45	A Comparative Evaluation of 3 Different Free-Form Deformable Image Registration and Contour Propagation Methods for Head and Neck MRI: The Case of Parotid Changes During Radiotherapy. <i>Technology in Cancer Research and Treatment</i> , 2017, 16, 373-381.	0.8	25
46	Out-of-field doses from pediatric craniospinal irradiations using 3D-CRT, IMRT, helical tomotherapy and electron-based therapy. <i>Physics in Medicine and Biology</i> , 2017, 62, 5293-5311.	1.6	15
47	Motion compensation for robotic lung tumour radiotherapy in remote locations: A personalised medicine approach. <i>Acta Astronautica</i> , 2017, 132, 59-66.	1.7	16
48	ESTRO ACROP consensus guideline on implementation and practice of stereotactic body radiotherapy for peripherally located early stage non-small cell lung cancer. <i>Radiotherapy and Oncology</i> , 2017, 124, 11-17.	0.3	230
49	Motion management during SBRT for oligometastatic cancer: Results of a prospective phase II trial. <i>Radiotherapy and Oncology</i> , 2016, 119, 519-524.	0.3	19
50	A dosimetric comparison of real-time adaptive and non-adaptive radiotherapy: A multi-institutional study encompassing robotic, gimbaled, multileaf collimator and couch tracking. <i>Radiotherapy and Oncology</i> , 2016, 119, 159-165.	0.3	82
51	Al ₂ O ₃ :C optically stimulated luminescence droplets: Characterization and applications in medical beams. <i>Radiation Measurements</i> , 2016, 94, 41-48.	0.7	5
52	Evaluation of a dedicated brain metastases treatment planning optimization for radiosurgery: a new treatment paradigm?. <i>Radiation Oncology</i> , 2016, 11, 13.	1.2	50
53	Initial characterization, dosimetric benchmark and performance validation of Dynamic Wave Arc. <i>Radiation Oncology</i> , 2016, 11, 63.	1.2	21
54	Quality Assurance of a 50-kV Radiotherapy Unit Using EBT3 GafChromic Film. <i>Technology in Cancer Research and Treatment</i> , 2016, 15, 163-170.	0.8	13

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55	Mild Lung Restriction in Breast Cancer Patients After Hypofractionated and Conventional Radiation Therapy: A 3-Year Follow-Up. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 95, 937-945.	0.4	18
56	Tangential IMRT versus TomoTherapy with and without breath-hold in left-sided whole breast irradiation. <i>Acta Oncologica</i> , 2016, 55, 240-243.	0.8	8
57	Evaluation of the optimal combinations of modulation factor and pitch for Helical TomoTherapy plans made with TomoEdge using Pareto optimal fronts. <i>Radiation Oncology</i> , 2015, 10, 191.	1.2	14
58	Fast Helical Tomotherapy in a head and neck cancer planning study: is time priceless?. <i>Radiation Oncology</i> , 2015, 10, 261.	1.2	8
59	A multi-centre analysis of treatment procedures and error components in dynamic tumour tracking radiotherapy. <i>Radiotherapy and Oncology</i> , 2015, 115, 412-418.	0.3	10
60	A comparison of two clinical correlation models used for real-time tumor tracking of semi-periodic motion: A focus on geometrical accuracy in lung and liver cancer patients. <i>Radiotherapy and Oncology</i> , 2015, 115, 419-424.	0.3	31
61	Geometric Verification of Dynamic Wave Arc Delivery With the Vero System Using Orthogonal X-ray Fluoroscopic Imaging. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 92, 754-761.	0.4	14
62	Feasibility of markerless tumor tracking by sequential dual-energy fluoroscopy on a clinical tumor tracking system. <i>Radiotherapy and Oncology</i> , 2015, 117, 487-490.	0.3	22
63	International Multi-Institutional Bench Mark Study on Dosimetric and Volumetric Modulation Using Helical TomoTherapy Treatment Planning for Malignant Pleural Mesothelioma Tumors. <i>IFMBE Proceedings</i> , 2015, , 381-383.	0.2	0
64	Breast Conserving Treatment for Breast Cancer: Dosimetric Comparison of Sequential versus Simultaneous Integrated Photon Boost. <i>BioMed Research International</i> , 2014, 2014, 1-8.	0.9	22
65	Ultrasound based dosimetry for radiotherapy: In-vitro proof of principle. , 2014, , .		1
66	Global Harmonization of Quality Assurance Naming Conventions in Radiation Therapy Clinical Trials. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 90, 1242-1249.	0.4	44
67	Impact of inadequate respiratory motion management in SBRT for oligometastatic colorectal cancer. <i>Radiotherapy and Oncology</i> , 2014, 113, 235-239.	0.3	50
68	Analysis of the targeting uncertainty of a stereotactic frameless radiosurgery technique for arteriovenous malformation. <i>Radiotherapy and Oncology</i> , 2014, 113, 371-373.	0.3	3
69	Fiducial marker and markerless soft-tissue detection using fast MV fluoroscopy on a new generation EPID: Investigating the influence of pulsing artifacts and artifact suppression techniques. <i>Medical Physics</i> , 2014, 41, 101911.	1.6	5
70	Radiation therapy quality assurance in clinical trials – Global harmonisation group. <i>Radiotherapy and Oncology</i> , 2014, 111, 327-329.	0.3	55
71	Breast conserving treatment for breast cancer: dosimetric comparison of different non-invasive techniques for additional boost delivery. <i>Radiation Oncology</i> , 2014, 9, 36.	1.2	21
72	Improving the intra-fraction update efficiency of a correlation model used for internal motion estimation during real-time tumor tracking for SBRT patients: Fast update or no update?. <i>Radiotherapy and Oncology</i> , 2014, 112, 352-359.	0.3	25

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73	Treating patients with real-time tumor tracking using the Vero gimbaled linac system: Implementation and first review. <i>Radiotherapy and Oncology</i> , 2014, 112, 343-351.	0.3	103
74	Preoperative intensity-modulated and image-guided radiotherapy with a simultaneous integrated boost in locally advanced rectal cancer: Report on late toxicity and outcome. <i>Radiotherapy and Oncology</i> , 2014, 110, 155-159.	0.3	60
75	Feasibility of using the Vero SBRT system for intracranial SRS. <i>Journal of Applied Clinical Medical Physics</i> , 2014, 15, 90-99.	0.8	12
76	Evaluation of the clinical usefulness for using verification images during frameless radiosurgery. <i>Radiotherapy and Oncology</i> , 2013, 108, 114-117.	0.3	11
77	Dosimetric comparison of different treatment modalities for stereotactic radiosurgery of arteriovenous malformations and acoustic neuromas. <i>Radiotherapy and Oncology</i> , 2013, 106, 192-197.	0.3	70
78	A complementary dual-modality verification for tumor tracking on a gimbaled linac system. <i>Radiotherapy and Oncology</i> , 2013, 109, 469-474.	0.3	23
79	Initial assessment of tumor tracking with a gimbaled linac system in clinical circumstances: A patient simulation study. <i>Radiotherapy and Oncology</i> , 2013, 106, 236-240.	0.3	92
80	The investigation of lithium formate hydrate, sodium dithionate and N-methyl taurine as clinical EPR dosimeters. <i>Radiation Measurements</i> , 2013, 59, 218-224.	0.7	11
81	Peripheral doses in radiotherapy: A comparison between IMRT, VMAT and Tomotherapy. <i>Radiation Measurements</i> , 2013, 57, 62-67.	0.7	16
82	Skin dose rate conversion factors after contamination with radiopharmaceuticals: influence of contamination area, epidermal thickness and percutaneous absorption. <i>Journal of Radiological Protection</i> , 2013, 33, 381-393.	0.6	17
83	The Potential of Helical Tomotherapy in the Treatment of Head and Neck Cancer. <i>Oncologist</i> , 2013, 18, 697-706.	1.9	21
84	WE-A-134-05: Comparison Between a Clinical Protocol and a Fast Automatic Update for Correlation Model Retraining During Gimbaled Tumour Tracking: Impact On Margins and Target Dose Coverage. <i>Medical Physics</i> , 2013, 40, 470-470.	1.6	0
85	Computer-aided analysis of star shot films for high-accuracy radiation therapy treatment units. <i>Physics in Medicine and Biology</i> , 2012, 57, 2997-3011.	1.6	47
86	Skin contamination of nuclear medicine technologists. <i>Nuclear Medicine Communications</i> , 2012, 33, 1024-1031.	0.5	16
87	Setup Accuracy of the Novalis ExacTrac 6DOF System for Frameless Radiosurgery. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 82, 1627-1635.	0.4	114
88	Clinical Evaluation of a Robotic 6-Degree of Freedom Treatment Couch for Frameless Radiosurgery. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 83, 467-474.	0.4	109
89	Phase II Study of Preoperative Helical Tomotherapy With a Simultaneous Integrated Boost for Rectal Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 83, 142-148.	0.4	44
90	Parotid Gland Sparing With Helical Tomotherapy in Head-and-Neck Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 84, 443-448.	0.4	19

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91	Small airways function in breast cancer patients before and after radiotherapy. Breast Cancer Research and Treatment, 2012, 135, 857-865.	1.1	9
92	Quantification of cerebral tumour blood flow and permeability with T1-weighted dynamic contrast enhanced MRI: A feasibility study. Journal of Neuroradiology, 2012, 39, 227-235.	0.6	10
93	Implementation of HybridArc treatment technique in preoperative radiotherapy of rectal cancer: dose patterns in target lesions and organs at risk as compared to helical Tomotherapy and RapidArc. Radiation Oncology, 2012, 7, 120.	1.2	14
94	Phase II study of helical tomotherapy in the multidisciplinary treatment of oligometastatic colorectal cancer. Radiation Oncology, 2012, 7, 34.	1.2	24
95	Short course radiotherapy with simultaneous integrated boost for stage I-II breast cancer, early toxicities of a randomized clinical trial. Radiation Oncology, 2012, 7, 80.	1.2	69
96	Delivering affordable cancer care in high-income countries. Lancet Oncology, The, 2011, 12, 933-980.	5.1	571
97	Geometric accuracy of a novel gimbal based radiation therapy tumor tracking system. Radiotherapy and Oncology, 2011, 98, 365-372.	0.3	164
98	Implementation of alanine/EPR as transfer dosimetry system in a radiotherapy audit programme in Belgium. Radiotherapy and Oncology, 2011, 99, 94-96.	0.3	29
99	Single Fraction Versus Fractionated Linac-Based Stereotactic Radiotherapy for Vestibular Schwannoma: A Single-Institution Experience. International Journal of Radiation Oncology Biology Physics, 2011, 81, e503-e509.	0.4	86
100	Tomotherapy Image Guided Radiation Therapy. Medical Radiology, 2011, , 313-324.	0.0	0
101	The contribution of skin contamination dose to the total extremity dose of nuclear medicine staff: First results of an intensive survey. Radiation Measurements, 2011, 46, 1291-1294.	0.7	10
102	Prediction of Response to Neoadjuvant Radiotherapy in Patients With Locally Advanced Rectal Cancer by Means of Sequential 18FDG-PET. International Journal of Radiation Oncology Biology Physics, 2011, 80, 91-96.	0.4	22
103	Phase II study of helical tomotherapy for oligometastatic colorectal cancer. Annals of Oncology, 2011, 22, 362-368.	0.6	27
104	SU-E-J-152: Improving 4D CBCT Image Quality by Using Tumor Trajectory Based Rebinning with Orthogonal Dual Source KV Imaging of the Novel VERO System. Medical Physics, 2011, 38, 3478-3478.	1.6	0
105	SU-E-T-454: Feasibility of Image-Guided Total Marrow Irradiation Using Helical Tomotherapy. Medical Physics, 2011, 38, 3593-3593.	1.6	0
106	Alanine/EPR dosimetry applied to the verification of a total body irradiation protocol and treatment planning dose calculation using a humanoid phantom. Medical Physics, 2010, 37, 6292-6299.	1.6	16
107	An in-house developed resettable MOSFET dosimeter for radiotherapy. Physics in Medicine and Biology, 2010, 55, N97-N109.	1.6	8
108	Volumetric Imaging by Megavoltage Computed Tomography for Assessment of Internal Organ Motion During Radiotherapy for Cervical Cancer. International Journal of Radiation Oncology Biology Physics, 2010, 77, 1590-1595.	0.4	47

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109	Activated Macrophages as a Novel Determinant of Tumor Cell Radioresponse: The Role of Nitric Oxide-Mediated Inhibition of Cellular Respiration and Oxygen Sparing. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, 1520-1527.	0.4	33
110	Stereotactic body radiation therapy: The report of AAPM Task Group 101. <i>Medical Physics</i> , 2010, 37, 4078-4101.	1.6	1,616
111	The effect of tomotherapy imaging beam output instabilities on dose calculation. <i>Physics in Medicine and Biology</i> , 2010, 55, N329-N336.	1.6	14
112	Gating and tracking, 4D in thoracic tumours. <i>Cancer Radiotherapy: Journal De La Societe Francaise De Radiotherapie Oncologique</i> , 2010, 14, 446-454.	0.6	51
113	The European Society of Therapeutic Radiology and Oncology-European Institute of Radiotherapy (ESTRO-EIR) report on 3D CT-based in-room image guidance systems: A practical and technical review and guide. <i>Radiotherapy and Oncology</i> , 2010, 94, 129-144.	0.3	168
114	Vorsprung durch Technik: Evolution, implementation, QA and safety of new technology in radiotherapy. <i>Radiotherapy and Oncology</i> , 2010, 94, 125-128.	0.3	21
115	SU-69: An In-House Developed MOSFET Dosimeter with Reset Capabilities. <i>Medical Physics</i> , 2010, 37, 3271-3271.	1.6	0
116	Helical Tomotherapy with Simultaneous Integrated Boost for High-Risk and Lymph Node-Positive Prostate Cancer: Early Report on Acute and Late Toxicity. <i>Technology in Cancer Research and Treatment</i> , 2009, 8, 353-359.	0.8	32
117	Preoperative Helical Tomotherapy and Megavoltage Computed Tomography for Rectal Cancer: Impact on the Irradiated Volume of Small Bowel. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 74, 1476-1480.	0.4	63
118	Volumetric response analysis during chemoradiation as predictive tool for optimizing treatment strategy in locally advanced unresectable NSCLC. <i>Radiotherapy and Oncology</i> , 2009, 91, 438-442.	0.3	20
119	Treatment delivery time optimization of respiratory gated radiation therapy by application of audio-visual feedback. <i>Radiotherapy and Oncology</i> , 2009, 91, 330-335.	0.3	50
120	Dosimetric assessment of static and helical Tomotherapy in the clinical implementation of breast cancer treatments. <i>Radiotherapy and Oncology</i> , 2009, 93, 71-79.	0.3	69
121	A diagnostic tool for basic daily quality assurance of a tomotherapy HiArt machine. <i>Journal of Applied Clinical Medical Physics</i> , 2009, 10, 151-164.	0.8	6
122	Impact of the interplay between advances in imaging and radiotherapy on clinical care. <i>Imaging in Medicine</i> , 2009, 1, 195-206.	0.0	0
123	SU-FF-J-144: Stability Assessment of MVCT Imaging for Dose Calculation Purposes. <i>Medical Physics</i> , 2009, 36, 2510-2510.	1.6	0
124	SU-FF-T-551: From Frame-Based to Frameless Radiosurgery. <i>Medical Physics</i> , 2009, 36, 2651-2651.	1.6	0
125	SU-FF-J-141: Volumetric Response Analysis During Chemoradiation as Predictive Tool for Optimizing Treatment Strategy in Locally Advanced Unresectable NSCLC. <i>Medical Physics</i> , 2009, 36, 2509-2509.	1.6	0
126	Longitudinal Assessment of Parotid Function in Patients Receiving Tomotherapy for Head-and-Neck Cancer. <i>Strahlentherapie Und Onkologie</i> , 2008, 184, 400-405.	1.0	33

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127	Phase II Study of Preoperative Helical Tomotherapy for Rectal Cancer. International Journal of Radiation Oncology Biology Physics, 2008, 70, 728-734.	0.4	65
128	Assessment of Intrafractional Movement and Internal Motion in Radiotherapy of Rectal Cancer Using Megavoltage Computed Tomography. International Journal of Radiation Oncology Biology Physics, 2008, 71, 934-939.	0.4	55
129	IFN- γ + CD8+ T Lymphocytes: Possible Link Between Immune and Radiation Responses in Tumor-Relevant Hypoxia. International Journal of Radiation Oncology Biology Physics, 2008, 71, 647-651.	0.4	17
130	An overview of volumetric imaging technologies and their quality assurance for IGRT. Acta Oncologica, 2008, 47, 1271-1278.	0.8	49
131	Hypoxic tumor cell radiosensitization through nitric oxide. Nitric Oxide - Biology and Chemistry, 2008, 19, 164-169.	1.2	104
132	TomoTherapy: Implications on daily workload and scheduling patients. Radiotherapy and Oncology, 2008, 86, 224-230.	0.3	34
133	A (short) history of image-guided radiotherapy. Radiotherapy and Oncology, 2008, 86, 4-13.	0.3	155
134	SUâ€â€â€155: Quality Assurance for IMRT in Belgium: Verification of the Integral Delivered Dose with Alanineâ€â€ESR Dosimetry. Medical Physics, 2008, 35, 2761-2761.	1.6	0
135	Image guided radiotherapy for prostate cancer. Bulletin Du Cancer, 2008, 95, 374-80.	0.6	6
136	Comment on "Imageâ€â€guided patient positioning: if one cannot correct for rotational offsets in externalâ€â€beam radiotherapy setup, how should rotational offsets be managed?" [Med. Phys., â€â€ (2007)]. Medical Physics, 2007, 34, 4064-4065.	1.6	5
137	Future developments in external beam radiotherapy will be unlikely to significantly improve treatment outcomes over those currently achieved with 3Dâ€â€conformal and IMRT treatments. Medical Physics, 2007, 34, 3123-3126.	1.6	3
138	Assessment of secondary patient motion induced by automated couch movement during on-line 6 dimensional repositioning in prostate cancer treatment. Radiotherapy and Oncology, 2007, 83, 168-174.	0.3	32
139	An assessment of the use of skin flashes in helical tomotherapy using phantom and in-vivo dosimetry. Radiotherapy and Oncology, 2007, 84, 34-39.	0.3	25
140	A feasibility study of image-guided hypofractionated conformal arc therapy for inoperable patients with localized non-small cell lung cancer. Radiotherapy and Oncology, 2007, 84, 252-256.	0.3	14
141	X-rayâ€â€assisted positioning of patients treated by conformal arc radiotherapy for prostate cancer: Comparison of setup accuracy using implanted markers versus bony structures. International Journal of Radiation Oncology Biology Physics, 2007, 67, 823-827.	0.4	46
142	In Regards to Caudell etâ€â€al. (Int J Radiat Oncol Biol Phys 2007;65:640â€â€645). International Journal of Radiation Oncology Biology Physics, 2007, 69, 1650.	0.4	2
143	Innovations in image-guided radiotherapy. Nature Reviews Cancer, 2007, 7, 949-960.	12.8	317
144	Importing measured field fluences into the treatment planning system to validate a breathing synchronized DMLCâ€â€IMRT irradiation technique. Radiotherapy and Oncology, 2006, 78, 332-338.	0.3	9

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145	Setup accuracy of stereoscopic X-ray positioning with automated correction for rotational errors in patients treated with conformal arc radiotherapy for prostate cancer. <i>Radiotherapy and Oncology</i> , 2006, 80, 371-373.	0.3	31
146	Optimal control of set-up margins and internal margins for intra- and extracranial radiotherapy using stereoscopic kilovoltage imaging. <i>Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique</i> , 2006, 10, 235-244.	0.6	28
147	In vivo Estimation of Extracranial Doses in Stereotactic Radiosurgery with the Gamma Knife and Novalis Systems. , 2006, 6, 36-49.		6
148	Breathing-synchronized irradiation using stereoscopic kV-imaging to limit influence of interplay between leaf motion and organ motion in 3D-CRT and IMRT: Dosimetric verification and first clinical experience. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006, 66, S108-S119.	0.4	11
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