

Arjan Bel

List of Publications by Year in descending order

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222
papers

4,803
citations

94433

37
h-index

123424

61
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223
all docs

223
docs citations

223
times ranked

3658
citing authors

#	ARTICLE	IF	CITATIONS
1	The alfa and beta of tumours: a review of parameters of the linear-quadratic model, derived from clinical radiotherapy studies. <i>Radiation Oncology</i> , 2018, 13, 96.	2.7	301
2	A verification procedure to improve patient set-up accuracy using portal images. <i>Radiotherapy and Oncology</i> , 1993, 29, 253-260.	0.6	241
3	Definition of gross tumor volume in lung cancer: inter-observer variability. <i>Radiotherapy and Oncology</i> , 2002, 62, 37-49.	0.6	229
4	High-precision prostate cancer irradiation by clinical application of an offline patient setup verification procedure, using portal imaging. <i>International Journal of Radiation Oncology Biology Physics</i> , 1996, 35, 321-332.	0.8	193
5	Effect of Translational and Rotational Errors on Complex Dose Distributions With Off-Line and On-Line Position Verification. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 74, 1600-1608.	0.8	193
6	Initial experience with intensity-modulated conformal radiation therapy for treatment of the head and neck region. <i>International Journal of Radiation Oncology Biology Physics</i> , 1997, 39, 99-114.	0.8	115
7	Target margins for random geometrical treatment uncertainties in conformal radiotherapy. <i>Medical Physics</i> , 1996, 23, 1537-1545.	3.0	114
8	Electronic Portal Imaging with On-Line Correction of Setup Error in Thoracic Irradiation: Clinical Evaluation. <i>International Journal of Radiation Oncology Biology Physics</i> , 1998, 40, 967-976.	0.8	108
9	Time trend of patient setup deviations during pelvic irradiation using electronic portal imaging. <i>Radiotherapy and Oncology</i> , 1993, 26, 162-171.	0.6	106
10	Improving locoregional hyperthermia delivery using the 3-D controlled AMC-8 phased array hyperthermia system: A preclinical study. <i>International Journal of Hyperthermia</i> , 2009, 25, 581-592.	2.5	98
11	Setup deviations in wedged pair irradiation of parotid gland and tonsillar tumors, measured with an electronic portal imaging device. <i>Radiotherapy and Oncology</i> , 1995, 37, 153-159.	0.6	79
12	Interfractional Position Variation of Pancreatic Tumors Quantified Using Intratumoral Fiducial Markers and Daily Cone Beam Computed Tomography. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 87, 202-208.	0.8	71
13	Adequate margins for random setup uncertainties in head-and-neck IMRT. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 61, 938-944.	0.8	69
14	EUS-guided fiducial markers placement with a 22-gauge needle for image-guided radiation therapy in pancreatic cancer. <i>Gastrointestinal Endoscopy</i> , 2014, 79, 851-855.	1.0	60
15	Quantifying the Combined Effect of Radiation Therapy and Hyperthermia in Terms of Equivalent Dose Distributions. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 88, 739-745.	0.8	60
16	A short time interval between radiotherapy and hyperthermia reduces in-field recurrence and mortality in women with advanced cervical cancer. <i>Radiation Oncology</i> , 2017, 12, 75.	2.7	60
17	Intravesical markers for delineation of target volume during external focal irradiation of bladder carcinomas. <i>Radiotherapy and Oncology</i> , 2007, 84, 49-51.	0.6	59
18	Accelerated ray tracing for radiotherapy dose calculations on a GPU. <i>Medical Physics</i> , 2009, 36, 4095-4102.	3.0	59

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19	Optimization in hyperthermia treatment planning: The impact of tissue perfusion uncertainty. <i>Medical Physics</i> , 2010, 37, 4540-4550.	3.0	58
20	Differences in respiratory-induced pancreatic tumor motion between 4D treatment planning CT and daily cone beam CT, measured using intratumoral fiducials. <i>Acta Oncol³gica</i> , 2014, 53, 1257-1264.	1.8	55
21	Thermoradiotherapy planning: Integration in routine clinical practice. <i>International Journal of Hyperthermia</i> , 2016, 32, 41-49.	2.5	55
22	Uncertainty in hyperthermia treatment planning: the need for robust system design. <i>Physics in Medicine and Biology</i> , 2011, 56, 3233-3250.	3.0	52
23	Behavior of Lipiodol Markers During Image Guided Radiotherapy of Bladder Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 77, 309-314.	0.8	51
24	Patterns of practice for adaptive and real-time radiation therapy (POP-ART RT) part II: Offline and online plan adaption for interfractional changes. <i>Radiotherapy and Oncology</i> , 2020, 153, 88-96.	0.6	50
25	Influence of daily setup measurements and corrections on the estimated delivered dose during IMRT treatment of prostate cancer patients. <i>Radiotherapy and Oncology</i> , 2009, 90, 291-298.	0.6	49
26	Performance of a cylindrical diode array for use in a 1.5 T MR-linac. <i>Physics in Medicine and Biology</i> , 2016, 61, N80-N89.	3.0	48
27	A computerized remote table control for fast on-line patient repositioning: Implementation and clinical feasibility. <i>Medical Physics</i> , 2000, 27, 354-358.	3.0	44
28	Validation of deformable image registration algorithms on CT images of <i>ex vivo</i> porcine bladders with fiducial markers. <i>Medical Physics</i> , 2014, 41, 071916.	3.0	44
29	Visibility and artifacts of gold fiducial markers used for image guided radiation therapy of pancreatic cancer on MRI. <i>Medical Physics</i> , 2015, 42, 2638-2647.	3.0	44
30	Comparison of six fit algorithms for the intra-voxel incoherent motion model of diffusion-weighted magnetic resonance imaging data of pancreatic cancer patients. <i>PLoS ONE</i> , 2018, 13, e0194590.	2.5	44
31	Transfer errors of planning CT to simulator: a possible source of setup inaccuracies?. <i>Radiotherapy and Oncology</i> , 1994, 31, 176-180.	0.6	41
32	Spatial Derivatives and the Propagation of Noise in Gaussian Scale Space. <i>Journal of Visual Communication and Image Representation</i> , 1993, 4, 1-13.	2.8	40
33	Dosimetric advantages of a clinical daily adaptive plan selection strategy compared with a non-adaptive strategy in cervical cancer radiation therapy. <i>Acta Oncol³gica</i> , 2017, 56, 667-674.	1.8	40
34	A comprehensive system for the analysis of portal images. <i>Radiotherapy and Oncology</i> , 1993, 29, 221-229.	0.6	39
35	Toward Online Adaptive Hyperthermia Treatment Planning: Correlation Between Measured and Simulated Specific Absorption Rate Changes Caused by Phase Steering in Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 90, 438-445.	0.8	39
36	Evaluation of delivered dose for a clinical daily adaptive plan selection strategy for bladder cancer radiotherapy. <i>Radiotherapy and Oncology</i> , 2015, 116, 51-56.	0.6	39

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37	Quantification of respiration-induced esophageal tumor motion using fiducial markers and four-dimensional computed tomography. <i>Radiotherapy and Oncology</i> , 2016, 118, 492-497.	0.6	38
38	Marker-based quantification of interfractional tumor position variation and the use of markers for setup verification in radiation therapy for esophageal cancer. <i>Radiotherapy and Oncology</i> , 2015, 117, 412-418.	0.6	37
39	Minimizing the Acquisition Time for Intravoxel Incoherent Motion Magnetic Resonance Imaging Acquisitions in the Liver and Pancreas. <i>Investigative Radiology</i> , 2016, 51, 211-220.	6.2	37
40	Abdominal organ motion during inhalation and exhalation breath-holds: pancreatic motion at different lung volumes compared. <i>Radiotherapy and Oncology</i> , 2016, 121, 268-275.	0.6	37
41	Biological modelling of the radiation dose escalation effect of regional hyperthermia in cervical cancer. <i>Radiation Oncology</i> , 2016, 11, 14.	2.7	37
42	Assessment of the uncertainties in dose delivery of a commercial system for linac-based stereotactic radiosurgery. <i>International Journal of Radiation Oncology Biology Physics</i> , 1999, 44, 421-433.	0.8	35
43	A comparison of inverse optimization algorithms for HDR/PDR prostate brachytherapy treatment planning. <i>Brachytherapy</i> , 2015, 14, 279-288.	0.5	35
44	Finite element based bladder modeling for image-guided radiotherapy of bladder cancer. <i>Medical Physics</i> , 2011, 38, 142-150.	3.0	34
45	The impact of interfractional anatomical changes on the accumulated dose in carbon ion therapy of pancreatic cancer patients. <i>Radiotherapy and Oncology</i> , 2016, 119, 319-325.	0.6	34
46	Measurement and analysis of the impact of time-interval, temperature and radiation dose on tumour cell survival and its application in thermoradiotherapy plan evaluation. <i>International Journal of Hyperthermia</i> , 2018, 34, 30-38.	2.5	34
47	Application and benchmarking of multi-objective evolutionary algorithms on high-dose-rate brachytherapy planning for prostate cancer treatment. <i>Swarm and Evolutionary Computation</i> , 2018, 40, 37-52.	8.1	33
48	Fast thermal simulations and temperature optimization for hyperthermia treatment planning, including realistic 3D vessel networks. <i>Medical Physics</i> , 2013, 40, 103303.	3.0	32
49	Considerable pancreatic tumor motion during breath-holding. <i>Acta Oncologica</i> , 2016, 55, 1360-1368.	1.8	32
50	3D radiobiological evaluation of combined radiotherapy and hyperthermia treatments. <i>International Journal of Hyperthermia</i> , 2017, 33, 160-169.	2.5	31
51	Feasibility of Conebeam CT-based online adaptive radiotherapy for neoadjuvant treatment of rectal cancer. <i>Radiation Oncology</i> , 2021, 16, 136.	2.7	31
52	Body Conformal Antennas for Superficial Hyperthermia: The Impact of Bending Contact Flexible Microstrip Applicators on Their Electromagnetic Behavior. <i>IEEE Transactions on Biomedical Engineering</i> , 2009, 56, 2917-2926.	4.2	30
53	Clinical results of conformal versus intensity-modulated radiotherapy using a focal simultaneous boost for muscle-invasive bladder cancer in elderly or medically unfit patients. <i>Radiation Oncology</i> , 2016, 11, 45.	2.7	29
54	Detection of systematic patient setup errors by portal film analysis. <i>Radiotherapy and Oncology</i> , 1992, 23, 198.	0.6	28

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55	FDTD simulations to assess the performance of CFMA-434 applicators for superficial hyperthermia. <i>International Journal of Hyperthermia</i> , 2009, 25, 462-476.	2.5	28
56	3D versus 2D steering in patient anatomies: A comparison using hyperthermia treatment planning. <i>International Journal of Hyperthermia</i> , 2011, 27, 74-85.	2.5	26
57	Limited Role for Biliary Stent as Surrogate Fiducial Marker in Pancreatic Cancer: Stent and Intratumoral Fiducials Compared. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 89, 641-648.	0.8	26
58	Comparing the dosimetric impact of interfractional anatomical changes in photon, proton and carbon ion radiotherapy for pancreatic cancer patients. <i>Physics in Medicine and Biology</i> , 2017, 62, 3051-3064.	3.0	26
59	Automatic bladder segmentation on CBCT for multiple plan ART of bladder cancer using a patient-specific bladder model. <i>Physics in Medicine and Biology</i> , 2012, 57, 3945-3962.	3.0	25
60	Dosimetric evaluation of prostate rotations and their correction by couch rotations. <i>Radiotherapy and Oncology</i> , 2008, 88, 156-162.	0.6	24
61	Improved power steering with double and triple ring waveguide systems: The impact of the operating frequency. <i>International Journal of Hyperthermia</i> , 2011, 27, 224-239.	2.5	24
62	Potential dosimetric benefit of an adaptive plan selection strategy for short-course radiotherapy in rectal cancer patients. <i>Radiotherapy and Oncology</i> , 2016, 119, 525-530.	0.6	24
63	Dosimetric advantages of proton therapy compared with photon therapy using an adaptive strategy in cervical cancer. <i>Acta Oncologica</i> , 2016, 55, 892-899.	1.8	24
64	Addition of MRI for CT-based pancreatic tumor delineation: a feasibility study. <i>Acta Oncologica</i> , 2017, 56, 923-930.	1.8	23
65	The effect of time interval between radiotherapy and hyperthermia on planned equivalent radiation dose. <i>International Journal of Hyperthermia</i> , 2018, 34, 901-909.	2.5	23
66	Evaluation of bi-objective treatment planning for high-dose-rate prostate brachytherapy – A retrospective observer study. <i>Brachytherapy</i> , 2019, 18, 396-403.	0.5	23
67	Automatic on-line electronic portal image analysis with a wavelet-based edge detector. <i>Medical Physics</i> , 2000, 27, 321-329.	3.0	22
68	Control over structure-specific flexibility improves anatomical accuracy for point-based deformable registration in bladder cancer radiotherapy. <i>Medical Physics</i> , 2013, 40, 021702.	3.0	22
69	GPU-accelerated bi-objective treatment planning for prostate high-dose-rate brachytherapy. <i>Medical Physics</i> , 2019, 46, 3776-3787.	3.0	22
70	Structure-based deformable image registration: Added value for dose accumulation of external beam radiotherapy and brachytherapy in cervical cancer. <i>Radiotherapy and Oncology</i> , 2017, 123, 319-324.	0.6	21
71	Evaluation of Six Diffusion-weighted MRI Models for Assessing Effects of Neoadjuvant Chemoradiation in Pancreatic Cancer Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 1052-1062.	0.8	20
72	Quantification of renal and diaphragmatic interfractional motion in pediatric image-guided radiation therapy: A multicenter study. <i>Radiotherapy and Oncology</i> , 2015, 117, 425-431.	0.6	19

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73	Dosimetric Advantages of Midventilation Compared With Internal Target Volume for Radiation Therapy of Pancreatic Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 92, 675-682.	0.8	19
74	SAR deposition by curved CFMA-434 applicators for superficial hyperthermia: Measurements and simulations. <i>International Journal of Hyperthermia</i> , 2010, 26, 171-184.	2.5	18
75	Online adaptive radiotherapy compared to plan selection for rectal cancer: quantifying the benefit. <i>Radiation Oncology</i> , 2020, 15, 162.	2.7	18
76	Plan selection strategy for rectum cancer patients: An interobserver study to assess clinical feasibility. <i>Radiotherapy and Oncology</i> , 2016, 120, 207-211.	0.6	17
77	Interfractional variability of respiration-induced esophageal tumor motion quantified using fiducial markers and four-dimensional cone-beam computed tomography. <i>Radiotherapy and Oncology</i> , 2017, 124, 147-154.	0.6	17
78	Considerable interobserver variation in delineation of pancreatic cancer on 3DCT and 4DCT: a multi-institutional study. <i>Radiation Oncology</i> , 2017, 12, 58.	2.7	17
79	A voxel-based finite element model for the prediction of bladder deformation. <i>Medical Physics</i> , 2011, 39, 55-65.	3.0	16
80	Improved tumour control probability with MRI-based prostate brachytherapy treatment planning. <i>Acta Oncologica</i> , 2013, 52, 658-665.	1.8	16
81	Reduction of heart volume during neoadjuvant chemoradiation in patients with resectable esophageal cancer. <i>Radiotherapy and Oncology</i> , 2015, 114, 91-95.	0.6	16
82	Magnitude and variability of respiratory-induced diaphragm motion in children during image-guided radiotherapy. <i>Radiotherapy and Oncology</i> , 2017, 123, 263-269.	0.6	16
83	Generic method for automatic bladder segmentation on cone beam CT using a patient-specific bladder shape model. <i>Medical Physics</i> , 2014, 41, 031707.	3.0	15
84	Technical and Clinical Evaluation of the ALBA-4D 70MHz Loco-Regional Hyperthermia System. , 2018, , .		15
85	Symbolic regression and feature construction with GP-GOMEA applied to radiotherapy dose reconstruction of childhood cancer survivors. , 2018, , .		15
86	Reduction in cardiac volume during chemoradiotherapy for patients with esophageal cancer. <i>Radiotherapy and Oncology</i> , 2013, 109, 200-203.	0.6	14
87	Dosimetric effects of anatomical changes during fractionated photon radiation therapy in pancreatic cancer patients. <i>Journal of Applied Clinical Medical Physics</i> , 2017, 18, 142-151.	1.9	14
88	Role of deformable image registration for delivered dose accumulation of adaptive external beam radiation therapy and brachytherapy in cervical cancer. <i>Journal of Contemporary Brachytherapy</i> , 2018, 10, 542-550.	0.9	14
89	A quality assurance tool for helical tomotherapy using a step-wedge phantom and the on-board MVCT detector. <i>Journal of Applied Clinical Medical Physics</i> , 2012, 13, 148-163.	1.9	13
90	Beam configuration selection for robust intensity-modulated proton therapy in cervical cancer using Pareto front comparison. <i>Physics in Medicine and Biology</i> , 2016, 61, 1780-1794.	3.0	13

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91	Characteristics and clinical application of a treatment simulator with Ct-option. <i>Radiotherapy and Oncology</i> , 1999, 50, 355-366.	0.6	12
92	Independent position correction on tumor and lymph nodes; consequences for bladder cancer irradiation with two combined IMRT plans. <i>Radiation Oncology</i> , 2010, 5, 53.	2.7	12
93	Comparison of two different 70 MHz applicators for large extremity lesions: Simulation and application. <i>International Journal of Hyperthermia</i> , 2010, 26, 376-388.	2.5	12
94	Deviations from the planned dose during 48hours of stepping source prostate brachytherapy caused by anatomical variations. <i>Radiotherapy and Oncology</i> , 2013, 107, 106-111.	0.6	12
95	Quantification of delineation errors of the gross tumor volume on magnetic resonance imaging in uterine cervical cancer using pathology data and deformation correction. <i>Acta Oncologica</i> , 2015, 54, 224-231.	1.8	12
96	Dose coverage calculation using a statistical shape model applied to cervical cancer radiotherapy. <i>Physics in Medicine and Biology</i> , 2017, 62, 4140-4159.	3.0	12
97	Feasibility of cone beam CT-guided library of plans strategy in pre-operative gastric cancer radiotherapy. <i>Radiotherapy and Oncology</i> , 2020, 149, 49-54.	0.6	12
98	Improving bladder cancer treatment with radiotherapy using separate intensity modulated radiotherapy plans for boost and elective fields. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2010, 54, 256-263.	1.8	11
99	Dose-Guided Radiotherapy: Potential Benefit of Online Dose Recalculation for Stereotactic Lung Irradiation in Patients With Non-Small-Cell Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 83, e557-e562.	0.8	11
100	Dosimetric benefit of an adaptive treatment by means of plan selection for rectal cancer patients in both short and long course radiation therapy. <i>Radiation Oncology</i> , 2020, 15, 13.	2.7	11
101	The effect of on-line position correction on the dose distribution in focal radiotherapy for bladder cancer. <i>Radiation Oncology</i> , 2009, 4, 38.	2.7	10
102	The impact of the waveguide aperture size of the 3D 70 MHz AMC-8 locoregional hyperthermia system on tumour coverage. <i>Physics in Medicine and Biology</i> , 2010, 55, 4899-4916.	3.0	10
103	Dose warping uncertainties for the accumulated rectal wall dose in cervical cancer brachytherapy. <i>Brachytherapy</i> , 2018, 17, 449-455.	0.5	10
104	Dosimetric comparison of library of plans and online MRI-guided radiotherapy of cervical cancer in the presence of intrafraction anatomical changes. <i>Radiation Oncology</i> , 2019, 14, 126.	2.7	10
105	A novel amplitude binning strategy to handle irregular breathing during 4DMRI acquisition: improved imaging for radiotherapy purposes. <i>Radiation Oncology</i> , 2019, 14, 80.	2.7	10
106	Target tailoring and proton beam therapy to reduce small bowel dose in cervical cancer radiotherapy. <i>Strahlentherapie Und Onkologie</i> , 2018, 194, 255-263.	2.0	9
107	Fast and insightful bi-objective optimization for prostate cancer treatment planning with high-dose-rate brachytherapy. <i>Applied Soft Computing Journal</i> , 2019, 84, 105681.	7.2	9
108	Sensitivity of dose-volume indices to computation settings in high-dose-rate prostate brachytherapy treatment plan evaluation. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 66-74.	1.9	9

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109	Robust optimization for HDR prostate brachytherapy applied to organ reconstruction uncertainty. <i>Physics in Medicine and Biology</i> , 2021, 66, 055001.	3.0	9
110	Quantification of image distortions on the Utrecht interstitial CT/MR brachytherapy applicator at 3T MRI. <i>Brachytherapy</i> , 2016, 15, 118-126.	0.5	8
111	Interfractional renal and diaphragmatic position variation during radiotherapy in children and adults: is there a difference?. <i>Acta Oncologica</i> , 2017, 56, 1065-1071.	1.8	8
112	Abdominal organ position variation in children during image-guided radiotherapy. <i>Radiation Oncology</i> , 2018, 13, 173.	2.7	8
113	Large-scale parallelization of partial evaluations in evolutionary algorithms for real-world problems. , 2018, , .		8
114	Automatic bi-objective parameter tuning for inverse planning of high-dose-rate prostate brachytherapy. <i>Physics in Medicine and Biology</i> , 2020, 65, 075009.	3.0	8
115	Microprocessor controlled limitation system for a stand-alone freely movable treatment couch. <i>Medical Physics</i> , 1998, 25, 897-899.	3.0	7
116	OC-0282: Optimizing cone-beam CT presets for children to reduce imaging dose illustrated with craniospinal axis. <i>Radiotherapy and Oncology</i> , 2014, 111, S109-S110.	0.6	7
117	Quantitative assessment of biliary stent artifacts on MR images: Potential implications for target delineation in radiotherapy. <i>Medical Physics</i> , 2016, 43, 5603-5615.	3.0	7
118	Quality assurance of the PREOPANC trial (2012-003181-40) for preoperative radiochemotherapy in pancreatic cancer. <i>Strahlentherapie Und Onkologie</i> , 2017, 193, 630-638.	2.0	7
119	Exploring trade-offs between target coverage, healthy tissue sparing, and the placement of catheters in HDR brachytherapy for prostate cancer using a novel multi-objective model-based mixed-integer evolutionary algorithm. , 2017, , .		7
120	On the feasibility of automatically selecting similar patients in highly individualized radiotherapy dose reconstruction for historic data of pediatric cancer survivors. <i>Medical Physics</i> , 2018, 45, 1504-1517.	3.0	7
121	Better and faster catheter position optimization in HDR brachytherapy for prostate cancer using multi-objective real-valued GOMEA. , 2018, , .		7
122	Semiautomatic bladder segmentation on CBCT using a population-based model for multiple-plan ART of bladder cancer. <i>Physics in Medicine and Biology</i> , 2012, 57, N525-N541.	3.0	6
123	Are age and gender suitable matching criteria in organ dose reconstruction using surrogate childhood cancer patients' CT scans?. <i>Medical Physics</i> , 2018, 45, 2628-2638.	3.0	6
124	Predictive value of pediatric respiratory-induced diaphragm motion quantified using pre-treatment 4DCT and CBCTs. <i>Radiation Oncology</i> , 2018, 13, 198.	2.7	6
125	Evaluating differences in respiratory motion estimates during radiotherapy: a single planning 4DMRI versus daily 4DMRI. <i>Radiation Oncology</i> , 2021, 16, 188.	2.7	6
126	Low dose cone beam CT for paediatric image-guided radiotherapy: Image quality and practical recommendations. <i>Radiotherapy and Oncology</i> , 2021, 163, 68-75.	0.6	6

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127	Gastric deformation models for adaptive radiotherapy: Personalized vs population-based strategy. <i>Radiation Oncology</i> , 2022, 166, 126-132.	0.6	6
128	Prostate volume and implant configuration during 48 hours of temporary prostate brachytherapy: limited effect of oedema. <i>Radiation Oncology</i> , 2014, 9, 272.	2.7	5
129	A biological modeling based comparison of two strategies for adaptive radiotherapy of urinary bladder cancer. <i>Acta Oncologica</i> , 2016, 55, 1009-1015.	1.8	5
130	Probabilistic treatment planning for pancreatic cancer treatment: prospective incorporation of respiratory motion shows only limited dosimetric benefit. <i>Acta Oncologica</i> , 2017, 56, 398-404.	1.8	5
131	Prospective validation of craniocaudal tumour size on MR imaging compared to histopathology in patients with uterine cervical cancer: The MPAC study. <i>Clinical and Translational Radiation Oncology</i> , 2019, 18, 9-15.	1.7	5
132	Dosimetric Benefits of Midposition Compared With Internal Target Volume Strategy for Esophageal Cancer Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 103, 491-502.	0.8	5
133	Bi-objective optimization of catheter positions for high-dose-rate prostate brachytherapy. <i>Medical Physics</i> , 2020, 47, 6077-6086.	3.0	5
134	Robust Evolutionary Bi-objective Optimization for Prostate Cancer Treatment with High-Dose-Rate Brachytherapy. <i>Lecture Notes in Computer Science</i> , 2020, , 441-453.	1.3	5
135	Acceleration of high resolution temperature based optimization for hyperthermia treatment planning using element grouping. <i>Medical Physics</i> , 2009, 36, 3795-3805.	3.0	4
136	Revisiting the Potential of Alternating Repetition Time Balanced Steady-State Free Precession Imaging of the Abdomen at 3 T. <i>Investigative Radiology</i> , 2016, 51, 560-568.	6.2	4
137	Image Distortions on a Plastic Interstitial Computed Tomography/Magnetic Resonance Brachytherapy Applicator at 3 Tesla Magnetic Resonance Imaging and Their Dosimetric Impact. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 710-718.	0.8	4
138	Density override in treatment planning to mitigate the dosimetric effect induced by gastrointestinal gas in esophageal cancer radiation therapy. <i>Acta Oncologica</i> , 2018, 57, 1646-1654.	1.8	4
139	How do patient characteristics and anatomical features correlate to accuracy of organ dose reconstruction for Wilms' tumor radiation treatment plans when using a surrogate patient's CT scan?. <i>Journal of Radiological Protection</i> , 2019, 39, 598-619.	1.1	4
140	Evaluation of Ultra-low-dose Paediatric Cone-beam Computed Tomography for Image-guided Radiotherapy. <i>Clinical Oncology</i> , 2020, 32, 835-844.	1.4	4
141	A 3D cine-MRI acquisition technique and image analysis framework to quantify bowel motion demonstrated in gynecological cancer patients. <i>Medical Physics</i> , 2021, 48, 3109-3119.	3.0	4
142	Quantifying the reduction of respiratory motion by mechanical ventilation with MRI for radiotherapy. <i>Radiation Oncology</i> , 2022, 17, .	2.7	4
143	Automatic delineation of body contours on cone-beam CT images using a delineation booster. <i>Physics in Medicine and Biology</i> , 2012, 57, N225-N236.	3.0	3
144	Novel tools for stepping source brachytherapy treatment planning: Enhanced geometrical optimization and interactive inverse planning. <i>Medical Physics</i> , 2015, 42, 348-353.	3.0	3

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145	In Regard to Boda-Heggemann etÂal. International Journal of Radiation Oncology Biology Physics, 2016, 96, 709-710.	0.8	3
146	The effectiveness of 4<scp>DCT</scp> in children and adults: A pooled analysis. Journal of Applied Clinical Medical Physics, 2019, 20, 276-283.	1.9	3
147	Defining short and prolonged breath-holds. British Journal of Radiology, 2020, 93, 20200191.	2.2	3
148	Pediatric radiotherapy for thoracic and abdominal targets: Organ motion, reported margin sizes, and delineation variations â€“ A systematic review. Radiotherapy and Oncology, 2022, 173, 134-145.	0.6	3
149	PO-1096 Inter-fraction variation of gas volume in the abdominal region during radiotherapy for distal esophageal cancer. Radiotherapy and Oncology, 2015, 115, S592-S593.	0.6	2
150	Efficient, effective, and insightful tackling of the high-dose-rate brachytherapy treatment planning problem for prostate cancer using evolutionary multi-objective optimization algorithms. , 2017, , .		2
151	MO-FG-BRA-09: Towards an Optimal Breath-Holding Procedure for Radiotherapy: Differences in Organ Motion During Inhalation and Exhalation Breath-Holds. Medical Physics, 2016, 43, 3711-3711.	3.0	2
152	Surrogate-free machine learning-based organ dose reconstruction for pediatric abdominal radiotherapy. Physics in Medicine and Biology, 2020, 65, 245021.	3.0	2
153	228 Potential efficacy of a couch with restricted out-of-plane rotations for on-line corrections. Radiotherapy and Oncology, 2005, 76, S110.	0.6	1
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