

# Bradley R Pieters

## List of Publications by Year in descending order

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79  
papers

2,197  
citations

257357

24  
h-index

243529

44  
g-index

81  
all docs

81  
docs citations

81  
times ranked

2609  
citing authors

#	ARTICLE	IF	CITATIONS
1	Variability in target volume delineation on CT scans of the breast. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001, 50, 1366-1372.	0.4	183
2	Short Androgen Suppression and Radiation Dose Escalation for Intermediate- and High-Risk Localized Prostate Cancer: Results of EORTC Trial 22991. <i>Journal of Clinical Oncology</i> , 2016, 34, 1748-1756.	0.8	182
3	ESTRO ACROP consensus guideline on CT- and MRI-based target volume delineation for primary radiation therapy of localized prostate cancer. <i>Radiotherapy and Oncology</i> , 2018, 127, 49-61.	0.3	157
4	Cardiac and lung complication probabilities after breast cancer irradiation. <i>Radiotherapy and Oncology</i> , 2000, 55, 145-151.	0.3	146
5	EAU-ESMO Consensus Statements on the Management of Advanced and Variant Bladder Cancer—An International Collaborative Multistakeholder Effort. <i>European Urology</i> , 2020, 77, 223-250.	0.9	132
6	Comparison of three radiotherapy modalities on biochemical control and overall survival for the treatment of prostate cancer: A systematic review. <i>Radiotherapy and Oncology</i> , 2009, 93, 168-173.	0.3	90
7	Imaging findings in craniofacial childhood rhabdomyosarcoma. <i>Pediatric Radiology</i> , 2010, 40, 1723-1738.	1.1	80
8	Health-Related Quality of Life in Locally Advanced Cervical Cancer Patients After Definitive Chemoradiation Therapy Including Image Guided Adaptive Brachytherapy: An Analysis From the EMBRACE Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 94, 1088-1098.	0.4	77
9	An improved technique for breast cancer irradiation including the locoregional lymph nodes. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000, 47, 1421-1429.	0.4	51
10	Comparison of biologically equivalent dose—volume parameters for the treatment of prostate cancer with concomitant boost IMRT versus IMRT combined with brachytherapy. <i>Radiotherapy and Oncology</i> , 2008, 88, 46-52.	0.3	45
11	Adverse events of local treatment in long-term head and neck rhabdomyosarcoma survivors after external beam radiotherapy or AMORE treatment. <i>European Journal of Cancer</i> , 2015, 51, 1424-1434.	1.3	41
12	Minimal displacement of novel self-anchoring catheters suitable for temporary prostate implants. <i>Radiotherapy and Oncology</i> , 2006, 80, 69-72.	0.3	40
13	The AMORE Protocol for Advanced-Stage and Recurrent Nonorbital Rhabdomyosarcoma in the Head-and-Neck Region of Children: A Radiation Oncology View. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 74, 1555-1562.	0.4	40
14	A Delphi consensus study on salvage brachytherapy for prostate cancer relapse after radiotherapy, a Uro-GEC study. <i>Radiotherapy and Oncology</i> , 2016, 118, 122-130.	0.3	39
15	A comparison of inverse optimization algorithms for HDR/PDR prostate brachytherapy treatment planning. <i>Brachytherapy</i> , 2015, 14, 279-288.	0.2	35
16	The role and contribution of treatment and imaging modalities in global cervical cancer management: survival estimates from a simulation-based analysis. <i>Lancet Oncology</i> , The, 2020, 21, 1089-1098.	5.1	32
17	Dose-Volume Effects and Risk Factors for Late Diarrhea in Cervix Cancer Patients After Radiochemotherapy With Image Guided Adaptive Brachytherapy in the EMBRACE I Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 109, 688-700.	0.4	31
18	Clinical Results of a Concomitant Boost Radiotherapy Technique for Muscle-Invasive Bladder Cancer. <i>Strahlentherapie Und Onkologie</i> , 2008, 184, 313-318.	1.0	30

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19	Salvage stereotactic body radiotherapy (SBRT) for intraprostatic relapse after prostate cancer radiotherapy: An ESTRO ACROP Delphi consensus. <i>Cancer Treatment Reviews</i> , 2021, 98, 102206.	3.4	30
20	Brachytherapy as Part of the Multidisciplinary Treatment of Childhood Rhabdomyosarcomas of the Orbit. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 77, 1463-1469.	0.4	29
21	GEC-ESTRO ACROP prostate brachytherapy guidelines. <i>Radiotherapy and Oncology</i> , 2022, 167, 244-251.	0.3	28
22	GEC-ESTRO/ACROP recommendations for performing bladder-sparing treatment with brachytherapy for muscle-invasive bladder carcinoma. <i>Radiotherapy and Oncology</i> , 2017, 122, 340-346.	0.3	26
23	Patterns of care survey: Radiotherapy for women with locally advanced cervical cancer. <i>Radiotherapy and Oncology</i> , 2017, 123, 306-311.	0.3	26
24	Accelerated high-dose radiotherapy alone or combined with either concomitant or sequential chemotherapy; treatments of choice in patients with Non-Small Cell Lung Cancer. <i>Radiation Oncology</i> , 2007, 2, 27.	1.2	25
25	Dosimetric evaluation of prostate rotations and their correction by couch rotations. <i>Radiotherapy and Oncology</i> , 2008, 88, 156-162.	0.3	24
26	Short Androgen Suppression and Radiation Dose Escalation in Prostate Cancer: 12-Year Results of EORTC Trial 22991 in Patients With Localized Intermediate-Risk Disease. <i>Journal of Clinical Oncology</i> , 2021, 39, 3022-3033.	0.8	24
27	Non-surgical interventions for late rectal problems (proctopathy) of radiotherapy in people who have received radiotherapy to the pelvis. <i>The Cochrane Library</i> , 2016, 4, CD003455.	1.5	23
28	Evaluation of bi-objective treatment planning for high-dose-rate prostate brachytherapy: A retrospective observer study. <i>Brachytherapy</i> , 2019, 18, 396-403.	0.2	23
29	GPU-accelerated bi-objective treatment planning for prostate high-dose-rate brachytherapy. <i>Medical Physics</i> , 2019, 46, 3776-3787.	1.6	22
30	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.	0.3	21
31	Endoscopic management of Ewing's sarcoma of ethmoid sinus within the AMORE framework: A new paradigm. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2013, 77, 139-143.	0.4	17
32	Treatment Results of PDR Brachytherapy Combined With External Beam Radiotherapy in 106 Patients With Intermediate- to High-Risk Prostate Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 79, 1037-1042.	0.4	16
33	Improved tumour control probability with MRI-based prostate brachytherapy treatment planning. <i>Acta Oncologica</i> , 2013, 52, 658-665.	0.8	16
34	Local Resection and Brachytherapy for Primary Orbital Rhabdomyosarcoma: Outcome and Failure Pattern Analysis. <i>Ophthalmic Plastic and Reconstructive Surgery</i> , 2016, 32, 354-360.	0.4	16
35	AMORE treatment as salvage treatment in children and young adults with relapsed head-neck rhabdomyosarcoma. <i>Radiotherapy and Oncology</i> , 2019, 131, 21-26.	0.3	16
36	GEC-ESTRO/ACROP recommendations for quality assurance of ultrasound imaging in brachytherapy. <i>Radiotherapy and Oncology</i> , 2020, 148, 51-56.	0.3	16

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37	Persistence of Late Substantial Patient-Reported Symptoms (LAPERS) After Radiochemotherapy Including Image Guided Adaptive Brachytherapy for Locally Advanced Cervical Cancer: A Report From the EMBRACE Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 109, 161-173.	0.4	16
38	A method to improve the dose distribution of interstitial breast implants using geometrically optimized stepping source techniques and dose normalization. <i>Radiotherapy and Oncology</i> , 2001, 58, 63-70.	0.3	15
39	A review of the clinical experience in pulsed dose rate brachytherapy. <i>British Journal of Radiology</i> , 2015, 88, 20150310.	1.0	15
40	Postoperative single-dose interstitial high-dose-rate brachytherapy in therapy-resistant keloids. <i>Brachytherapy</i> , 2017, 16, 415-420.	0.2	15
41	The European Prostate Cancer Centres of Excellence: A Novel Proposal from the European Association of Urology Prostate Cancer Centre Consensus Meeting. <i>European Urology</i> , 2019, 76, 179-186.	0.9	15
42	Accuracy of internal mammary lymph node localization using lymphoscintigraphy, sonography and CT. <i>Radiotherapy and Oncology</i> , 2002, 65, 79-88.	0.3	14
43	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.	0.4	14
44	Severity and Persistency of Late Gastrointestinal Morbidity in Locally Advanced Cervical Cancer: Lessons Learned From EMBRACE-I and Implications for the Future. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 112, 681-693.	0.4	14
45	Safety Aspects of Pulsed Dose Rate Brachytherapy: Analysis of Errors in 1,300 Treatment Sessions. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 70, 953-960.	0.4	13
46	Bladder preservation with brachytherapy compared to cystectomy for T1-T3 muscle-invasive bladder cancer: a systematic review. <i>Journal of Contemporary Brachytherapy</i> , 2014, 2, 191-199.	0.4	13
47	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.	0.3	12
48	Psychosocial well-being of long-term survivors of pediatric head&neck rhabdomyosarcoma. <i>Pediatric Blood and Cancer</i> , 2019, 66, e27498.	0.8	12
49	Risk factors for nodal failure after radiochemotherapy and image guided brachytherapy in locally advanced cervical cancer: An EMBRACE analysis. <i>Radiotherapy and Oncology</i> , 2021, 163, 150-158.	0.3	12
50	Development of Late Toxicity and International Prostate Symptom Score Resolution After External-Beam Radiotherapy Combined With Pulsed Dose Rate Brachytherapy for Prostate Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 81, 758-764.	0.4	11
51	Long-term survival and complications following bladder-preserving brachytherapy in patients with cT1-T2 bladder cancer. <i>Radiotherapy and Oncology</i> , 2019, 141, 130-136.	0.3	11
52	Dose-effect relationship between vaginal dose points and vaginal stenosis in cervical cancer: An EMBRACE-I sub-study. <i>Radiotherapy and Oncology</i> , 2022, 168, 8-15.	0.3	11
53	Dose warping uncertainties for the accumulated rectal wall dose in cervical cancer brachytherapy. <i>Brachytherapy</i> , 2018, 17, 449-455.	0.2	10
54	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.	4.1	9

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55	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.	0.8	9
56	Robust optimization for HDR prostate brachytherapy applied to organ reconstruction uncertainty. <i>Physics in Medicine and Biology</i> , 2021, 66, 055001.	1.6	9
57	Image-Guided Adaptive Brachytherapy (IGABT) for Primary Vaginal Cancer: Results of the International Multicenter RetroEMBRAVE Cohort Study. <i>Cancers</i> , 2021, 13, 1459.	1.7	9
58	A comparison in cosmetic outcome between per-operative interstitial breast implants and delayed interstitial breast implants after external beam radiotherapy. <i>Radiotherapy and Oncology</i> , 2003, 67, 159-164.	0.3	8
59	Quantification of image distortions on the Utrecht interstitial CT/MR brachytherapy applicator at 3T MRI. <i>Brachytherapy</i> , 2016, 15, 118-126.	0.2	8
60	Position Verification for the Prostate: Effect on Rectal Wall Dose. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 80, 462-468.	0.4	7
61	Clinical Investigations Contrast-enhanced ultrasound as support for prostate brachytherapy treatment planning. <i>Journal of Contemporary Brachytherapy</i> , 2012, 2, 69-74.	0.4	7
62	Robot-assisted Laparoscopic Implantation of Brachytherapy Catheters in Bladder Cancer. <i>European Urology</i> , 2018, 74, 369-375.	0.9	7
63	Better and faster catheter position optimization in HDR brachytherapy for prostate cancer using multi-objective real-valued GOMEA. , 2018, , .		7
64	A history of transurethral resection of the prostate should not be a contra-indication for low-dose-rate 125I prostate brachytherapy: results of a prospective Uro-GEC phase-II trial. <i>Journal of Contemporary Brachytherapy</i> , 2020, 12, 1-5.	0.4	7
65	Risk Factors for Late Persistent Fatigue After Chemoradiotherapy in Patients With Locally Advanced Cervical Cancer: An Analysis From the EMBRACE-I Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 112, 1177-1189.	0.4	6
66	Adaptive margin radiotherapy for patients with prostate carcinoma: What's the benefit?. <i>Radiotherapy and Oncology</i> , 2012, 105, 203-206.	0.3	5
67	Prostate volume and implant configuration during 48 hours of temporary prostate brachytherapy: limited effect of oedema. <i>Radiation Oncology</i> , 2014, 9, 272.	1.2	5
68	Postoperative brachytherapy for endometrial cancer using a ring applicator. <i>Brachytherapy</i> , 2015, 14, 273-278.	0.2	5
69	An overview of radiological manifestations of acquired dental developmental disturbances in paediatric head and neck cancer survivors. <i>Dentomaxillofacial Radiology</i> , 2020, 49, 20190275.	1.3	5
70	Bi-objective optimization of catheter positions for high-dose-rate prostate brachytherapy. <i>Medical Physics</i> , 2020, 47, 6077-6086.	1.6	5
71	Robust Evolutionary Bi-objective Optimization for Prostate Cancer Treatment with High-Dose-Rate Brachytherapy. <i>Lecture Notes in Computer Science</i> , 2020, , 441-453.	1.0	5
72	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.	0.4	4

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73	Novel tools for stepping source brachytherapy treatment planning: Enhanced geometrical optimization and interactive inverse planning. <i>Medical Physics</i> , 2015, 42, 348-353.	1.6	3
74	Management of conjunctival melanoma with local excision and adjuvant brachytherapy. <i>Eye</i> , 2021, 35, 490-498.	1.1	3
75	A Role of brachytherapy in bilateral Wilms tumors: A long-term follow-up of three highly selected cases and literature review. <i>Brachytherapy</i> , 2021, 20, 478-484.	0.2	3
76	Clinical Investigations Benefits of a dual sagittal crystal transducer for ultrasound imaging during I-125 seed implantation for permanent prostate brachytherapy. <i>Journal of Contemporary Brachytherapy</i> , 2012, 3, 141-145.	0.4	1
77	A Quick, User-Friendly and Interactive Approach for High-Dose-Rate and Pulsed-Dose-Rate Brachytherapy Treatment Planning: Enhanced Geometric Optimization - Interactive Inverse Planning. <i>Brachytherapy</i> , 2013, 12, S40-S41.	0.2	1
78	X-change symposium: status and future of modern radiation oncologyâ€”from technology to biology. <i>Radiation Oncology</i> , 2021, 16, 27.	1.2	1
79	Pulsed-Dose Rate Brachytherapy in Prostate Cancer. , 2013, , 111-117.		0