

# Dirk Van Gestel

## List of Publications by Year in descending order

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84  
papers

1,051  
citations

471371

17  
h-index

454834

30  
g-index

87  
all docs

87  
docs citations

87  
times ranked

1585  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intensity-Modulated Radiation Therapy for Head and Neck Carcinoma. <i>Oncologist</i> , 2007, 12, 555-564.	1.9	106
2	Soft tissue sarcoma of the extremities: pending questions on surgery and radiotherapy. <i>Radiation Oncology</i> , 2016, 11, 136.	1.2	74
3	Low-Dose vs. High-Dose Cisplatin: Lessons Learned From 59 Chemoradiotherapy Trials in Head and Neck Cancer. <i>Frontiers in Oncology</i> , 2019, 9, 86.	1.3	71
4	Immune checkpoint blockade for organ transplant patients with advanced cancer: how far can we go?. <i>Current Opinion in Oncology</i> , 2019, 31, 54-64.	1.1	66
5	Multi-institutional comparison of volumetric modulated arc therapy vs. intensity-modulated radiation therapy for head-and-neck cancer: a planning study. <i>Radiation Oncology</i> , 2013, 8, 26.	1.2	62
6	DNA methylation-based biomarkers in serum of patients with breast cancer. <i>Mutation Research - Reviews in Mutation Research</i> , 2012, 751, 304-325.	2.4	60
7	Reduction of the dose to the elective neck in head and neck squamous cell carcinoma, a randomized clinical trial using intensity modulated radiotherapy (IMRT). Dosimetrical analysis and effect on acute toxicity. <i>Radiotherapy and Oncology</i> , 2013, 109, 323-329.	0.3	58
8	RapidArc, SmartArc and TomoHD compared with classical step and shoot and sliding window intensity modulated radiotherapy in an oropharyngeal cancer treatment plan comparison. <i>Radiation Oncology</i> , 2013, 8, 37.	1.2	45
9	Humanized Mice as a Valuable Pre-Clinical Model for Cancer Immunotherapy Research. <i>Frontiers in Oncology</i> , 2021, 11, 784947.	1.3	37
10	Restoring p53 Function in Head and Neck Squamous Cell Carcinoma to Improve Treatments. <i>Frontiers in Oncology</i> , 2021, 11, 799993.	1.3	28
11	Intensity-modulated radiotherapy in patients with head and neck cancer: a European single-centre experience. <i>British Journal of Radiology</i> , 2011, 84, 367-374.	1.0	24
12	<sup>68</sup> Ga-PSMA PET/CT-based metastasis-directed radiotherapy for oligometastatic prostate cancer recurrence after radical prostatectomy. <i>World Journal of Urology</i> , 2019, 37, 1535-1542.	1.2	23
13	The Potential of Helical Tomotherapy in the Treatment of Head and Neck Cancer. <i>Oncologist</i> , 2013, 18, 697-706.	1.9	21
14	Novel strategies using modern radiotherapy to improve pancreatic cancer outcomes: toward a new standard?. <i>Therapeutic Advances in Medical Oncology</i> , 2020, 12, 175883592093609.	1.4	21
15	A dosimetric comparison of two-phase adaptive intensity-modulated radiotherapy for locally advanced nasopharyngeal cancer. <i>Journal of Radiation Research</i> , 2015, 56, 529-538.	0.8	20
16	Retrospective evaluation of the safety of low-level laser therapy/photobiomodulation in patients with head/neck cancer. <i>Supportive Care in Cancer</i> , 2020, 28, 3015-3022.	1.0	20
17	Follow-Up of Head and Neck Cancer Survivors: Tipping the Balance of Intensity. <i>Frontiers in Oncology</i> , 2020, 10, 688.	1.3	20
18	The Benefit of Reactivating p53 under MAPK Inhibition on the Efficacy of Radiotherapy in Melanoma. <i>Cancers</i> , 2019, 11, 1093.	1.7	18

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19	Clinical outcome and toxicity after simultaneous integrated boost IMRT in head and neck squamous cell cancer patients. <i>Oral Oncology</i> , 2019, 98, 132-140.	0.8	18
20	Prognostic impact of glioblastoma stem cell markers OLIG2 and CCND2. <i>Cancer Medicine</i> , 2020, 9, 1069-1078.	1.3	18
21	Gemcitabine-Based Chemoradiation in the Treatment of Locally Advanced Head and Neck Cancer: Systematic Review of Literature and Meta-Analysis. <i>Oncologist</i> , 2016, 21, 59-71.	1.9	16
22	Neo-CheckRay: radiation therapy and adenosine pathway blockade to increase benefit of immuno-chemotherapy in early stage luminal B breast cancer, a randomized phase II trial. <i>BMC Cancer</i> , 2021, 21, 899.	1.1	16
23	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
24	Evolution of self-perceived swallowing function, tongue strength and swallow-related quality of life during radiotherapy in head and neck cancer patients. <i>Head and Neck</i> , 2019, 41, 2197-2207.	0.9	14
25	Meta-Analysis on Induction Chemotherapy in Locally Advanced Nasopharyngeal Carcinoma. <i>Oncologist</i> , 2021, 26, e130-e141.	1.9	12
26	Oligometastatic Disease Detection with <sup>68</sup> Ga-PSMA-11 PET/CT in Hormone-Sensitive Prostate Cancer Patients (HSPC) with Biochemical Recurrence after Radical Prostatectomy: Predictive Factors and Clinical Impact. <i>Cancers</i> , 2021, 13, 4982.	1.7	12
27	3D Monte Carlo dosimetry of intraoperative electron radiation therapy (IOERT). <i>Physica Medica</i> , 2019, 57, 207-214.	0.4	11
28	Feasibility of tongue strength measurements during (chemo)radiotherapy in head and neck cancer patients. <i>Supportive Care in Cancer</i> , 2017, 25, 3417-3423.	1.0	10
29	Checkpoint inhibition in combination with an immunoboost of external beam radiotherapy in solid tumors (CHEERS): study protocol for a phase 2, open-label, randomized controlled trial. <i>BMC Cancer</i> , 2021, 21, 514.	1.1	10
30	Isotoxic high-dose stereotactic body radiotherapy integrated in a total multimodal neoadjuvant strategy for the treatment of localized pancreatic ductal adenocarcinoma. <i>Therapeutic Advances in Medical Oncology</i> , 2021, 13, 175883592110458.	1.4	9
31	Fast Helical Tomotherapy in a head and neck cancer planning study: is time priceless?. <i>Radiation Oncology</i> , 2015, 10, 261.	1.2	8
32	Radiotherapy Quality Assurance for Head and Neck Squamous Cell Carcinoma. <i>Frontiers in Oncology</i> , 2020, 10, 282.	1.3	8
33	Feasibility study on adaptive <sup>18</sup> F-FDG-PET-guided radiotherapy for recurrent and second primary head and neck cancer in the previously irradiated territory. <i>Strahlentherapie Und Onkologie</i> , 2018, 194, 727-736.	1.0	7
34	OC-0625 Immuno-radiotherapy in solid tumors: preliminary results of the randomized phase 2 CHEERS trial. <i>Radiotherapy and Oncology</i> , 2021, 161, S490-S491.	0.3	7
35	The radiosensitising effect of gemcitabine and its main metabolite dFdU under low oxygen conditions is in vitro not dependent on functional HIF-1 protein. <i>BMC Cancer</i> , 2014, 14, 594.	1.1	6
36	Impact of the COVID-19 Pandemic on Patients and Staff in Radiation Oncology Departments in Belgium: A National Survey. <i>Frontiers in Oncology</i> , 2021, 11, 654086.	1.3	6

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37	Preoperative and postoperative radiotherapy (RT) for non-small cell lung cancer: still an open question. <i>Translational Lung Cancer Research</i> , 2021, 10, 1950-1959.	1.3	6
38	Brachytherapy in Belgium in 2018. A national survey of the brachytherapy study group of the Belgian Society for Radiotherapy and Oncology (BeSTRO). <i>Radiotherapy and Oncology</i> , 2020, 150, 245-252.	0.3	5
39	Assessment of cough in head and neck cancer patients at risk for dysphagia—An overview. <i>Cancer Reports</i> , 2021, 4, e1395.	0.6	5
40	Prophylactic gastrostomy in locally advanced head and neck cancer: results of a national survey among radiation oncologists. <i>BMC Cancer</i> , 2021, 21, 656.	1.1	5
41	Technologic Advances in External Beam Radiotherapy for Head and Neck Cancer. <i>Oncology &amp; Hematology Review</i> , 2013, 09, 109.	0.2	5
42	The Road to Dissemination: The Concept of Oligometastases and the Barriers for Widespread Disease. <i>Cancers</i> , 2022, 14, 2046.	1.7	5
43	Unusual presentation of a hepatocellular carcinoma as a potential late side effect of radiotherapy in a patient treated for Wilms tumor in childhood. <i>World Journal of Surgical Oncology</i> , 2018, 16, 48.	0.8	4
44	Monte Carlo dose calculations of shielding disks with different material combinations in intraoperative electron radiation therapy (IOERT). <i>Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique</i> , 2020, 24, 128-134.	0.6	4
45	Unintended dose to the lower axilla in adjuvant radiotherapy for breast cancer: Differences between tangential beam and VMAT. <i>Radiotherapy and Oncology</i> , 2021, 164, 282-288.	0.3	4
46	Advanced cutaneous squamous cell carcinoma of the head in two renal transplanted patients treated with cemiplimab. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2022, 36, 53-58.	1.3	4
47	Helical Tomotherapy in Head and Neck Cancer: A European Single-Center Experience. <i>Oncologist</i> , 2015, 20, 279-290.	1.9	3
48	Dose-response in choroidal melanoma. <i>Radiotherapy and Oncology</i> , 2018, 127, 374-378.	0.3	3
49	Split-VMAT technique to control the deep inspiration breath hold time for breast cancer radiotherapy. <i>Radiation Oncology</i> , 2021, 16, 77.	1.2	3
50	Successful treatment of synchronous chemoresistant pulmonary metastasis from pleomorphic rhabdomyosarcoma with stereotaxic body radiation therapy: A case report and a review of the literature. <i>Cancer Treatment and Research Communications</i> , 2021, 26, 100282.	0.7	3
51	Clinical Outcomes After Proton Beam Therapy for Locally Advanced Non-Small Cell Lung Cancer: Analysis of a Multi-institutional Prospective Registry. <i>Advances in Radiation Oncology</i> , 2021, 7, 100767.	0.6	2
52	Ossifying Fibromyxoid Tumor with Spinal Cord Compression and Epiduritis. <i>Journal of the Belgian Society of Radiology</i> , 2019, 103, 18.	0.1	2
53	Integration of the M6 Cyberknife in the Moderato Monte Carlo platform and prediction of beam parameters using machine learning. <i>Physica Medica</i> , 2020, 70, 123-132.	0.4	2
54	Recent advances in radiosensitivity determinants in melanoma. <i>Current Opinion in Oncology</i> , 2022, 34, 131-138.	1.1	2

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55	Qualitative evaluation of the role of RTTs IGRT specialists and their influence on treatment delivery. Technical Innovations and Patient Support in Radiation Oncology, 2022, 22, 9-15.	0.6	2
56	The outcome of the first 100 nasopharyngeal cancer patients in thailand treated by helical tomotherapy. Radiology and Oncology, 2017, 51, 351-356.	0.6	1
57	In Regard to Perrier etÂal. International Journal of Radiation Oncology Biology Physics, 2017, 97, 204-205.	0.4	1
58	OC-0634 Lymphocyte Sparing Radiation Therapy for stage III NSCLC: a dosimetric study. Radiotherapy and Oncology, 2021, 161, S498-S500.	0.3	1
59	Heterotopic ossification and severe COVID-19 infection. QJM - Monthly Journal of the Association of Physicians, 2022, 115, 201-203.	0.2	1
60	Barriers in education and professional development of Belgian medical imaging technologists and nurses working in radiotherapy: A qualitative study. Radiography, 2022, 28, 620-627.	1.1	1
61	PO-0605: Factors associated with late dysphagia and xerostomia in (chemo)radiation for head and neck cancer. Radiotherapy and Oncology, 2017, 123, S315-S316.	0.3	0
62	Results of helical tomotherapy on mycosis fungoides lesions. European Journal of Cancer, 2018, 101, S31.	1.3	0
63	Mycosis fungoides, insights in the latest therapy options and the possibility of a promising use of helical tomotherapy. European Journal of Cancer, 2018, 101, S31.	1.3	0
64	EP-1171: Toxicity and outcome for simultaneous integrated boost radiotherapy in head and neck cancer patients. Radiotherapy and Oncology, 2018, 127, S655-S656.	0.3	0
65	EP-2321: Evolution of OLIG2 expression during radio(chemo)therapy has a prognostic value in glioblastoma. Radiotherapy and Oncology, 2018, 127, S1280-S1281.	0.3	0
66	PO-1067 High expression of CCND2 in glioblastoma is associated with an increased risk of early mortality.. Radiotherapy and Oncology, 2019, 133, S593-S594.	0.3	0
67	Evaluation and Validation of an Image-Guided Traffic Light Protocol for Head and Neck Cancer Patients Undergoing Radiotherapy. Journal of Medical Imaging and Radiation Sciences, 2019, 50, S2-S3.	0.2	0
68	Prophylactic cranial irradiation (PCI) or magnetic resonance imaging (MRI) monitoring in limited small cell lung cancer: is it a question?. Precision Cancer Medicine, 0, 2, 10-10.	1.8	0
69	PO-125: Induction chemotherapy in Locally Advanced Nasopharyngeal carcinoma is of benefit?. Radiotherapy and Oncology, 2019, 141, S52-S53.	0.3	0
70	84TiP Neo-CheckRay: Radiation therapy and adenosine pathway blockade to increase benefit of immuno-chemotherapy in early stage luminal B breast cancer: A randomized phase II trial. Annals of Oncology, 2020, 31, S1451.	0.6	0
71	Editorial: Quality Assessment Across Disciplines in Head and Neck Cancer Treatment. Frontiers in Oncology, 2021, 11, 636622.	1.3	0
72	Evaluation of the XVI dual registration tool for image-guided radiotherapy in prostate cancer. Technical Innovations and Patient Support in Radiation Oncology, 2021, 18, 22-28.	0.6	0

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73	Radiotherapy: An Alternative to Surgery. , 0, , .		0
74	PO-1384 Salvage radiotherapy for locally recurrent prostate cancer after high-intensity focused ultrasound. Radiotherapy and Oncology, 2021, 161, S1134-S1135.	0.3	0
75	PH-0218 Functionality-optimised radiotherapy for lung cancer patients using SPECT/CT. Radiotherapy and Oncology, 2021, 161, S151-S152.	0.3	0
76	OC-0315 Qualitative evaluation of the role of RTTs IGRT specialists and their influence on treatment quality. Radiotherapy and Oncology, 2021, 161, S225-S226.	0.3	0
77	PO-1860 Physical vs. biological based VMAT optimization for prostate cancer radiotherapy. Radiotherapy and Oncology, 2021, 161, S1584-S1585.	0.3	0
78	PH-0375 Lymphocyte-sparing in pelvic radiotherapy for prostate cancer: an in-silico planning study. Radiotherapy and Oncology, 2021, 161, S273-S274.	0.3	0
79	Abstract 5722: Retention of the radiosensitizing effect of gemcitabine and its main metabolite dFdU under reduced oxygen conditions is not influenced by HIF-1 functionality. , 2012, , .		0
80	Isotoxic high-dose stereotactic body radiotherapy integrated in a total multimodal neoadjuvant strategy for the treatment of localized pancreatic ductal adenocarcinoma. Therapeutic Advances in Medical Oncology, 2021, 13, 17588359211045860.	1.4	0
81	PD-0072: Evaluation of intra thoracic anatomical changes based on the lung traffic light protocol. Radiotherapy and Oncology, 2020, 152, S31-S32.	0.3	0
82	PD-0420: Induction by mFOLFIRINOX followed by SIBSBRT for the neoadjuvant treatment of pancreatic cancer.. Radiotherapy and Oncology, 2020, 152, S228.	0.3	0
83	PO-1352: Prediction of electron beam parameters of a Monte Carlo model using machine learning. Radiotherapy and Oncology, 2020, 152, S716-S717.	0.3	0
84	PD-0177: Interfraction heart motion during Deep Inspiration Breath Hold (DIBH) radiotherapy measured by CBCT.. Radiotherapy and Oncology, 2020, 152, S86-S87.	0.3	0