Christian R Hansen

List of Publications by Year
in descending order

114 papers	1,624 citations	346980 22 h-index	371746 37 g-index
114 all docs	114 docs citations	114 times ranked	1763 citing authors

#	Article	IF	Citations
1	Treatment outcomes and survival following definitive (chemo)radiotherapy in <scp>HPV</scp>â€positive oropharynx cancer: Largeâ€scale comparison of <scp>DAHANCA</scp> vs <scp>PMH</scp> cohorts. International Journal of Cancer, 2022, 150, 1329-1340.	2.3	8
2	Online adaptive radiotherapy potentially reduces toxicity for high-risk prostate cancer treatment. Radiotherapy and Oncology, 2022, 167, 165-171.	0.3	30
3	Target coverage and local recurrences after radiotherapy for sinonasal cancer in Denmark 2008â€"2015. A DAHANCA study. Acta OncolÃ³gica, 2022, 61, 120-126.	0.8	3
4	Plan quality in radiotherapy treatment planning â€" Review of the factors and challenges. Journal of Medical Imaging and Radiation Oncology, 2022, 66, 267-278.	0.9	8
5	Causal relation between heart irradiation and survival of lung cancer patients after radiotherapy. Radiotherapy and Oncology, 2022, 172, 126-133.	0.3	7
6	Open-source distributed learning validation for a larynx cancer survival model following radiotherapy. Radiotherapy and Oncology, 2022, 173, 319-326.	0.3	6
7	Plan quality assessment in clinical practice: Results of the 2020 ESTRO survey on plan complexity and robustness. Radiotherapy and Oncology, 2022, 173, 254-261.	0.3	5
8	Microcomputed tomography versus plethysmometer and electronic caliper in the measurements of lymphedema in the hindlimb of mice. Scientific Reports, 2022, 12, .	1.6	2
9	Co-registration of radiotherapy planning and recurrence scans with different imaging modalities in head and neck cancer. Physics and Imaging in Radiation Oncology, 2022, 23, 80-84.	1.2	3
10	Imaging for Target Delineation in Head and Neck Cancer Radiotherapy. Seminars in Nuclear Medicine, 2021, 51, 59-67.	2.5	17
11	End-to-end validation of the geometric dose delivery performance of MR linac adaptive radiotherapy. Physics in Medicine and Biology, 2021, 66, 045034.	1.6	12
12	Accuracy of automatic structure propagation for daily magnetic resonance image-guided head and neck radiotherapy. Acta OncolÃ³gica, 2021, 60, 589-597.	0.8	13
13	Response to the Letter to the Editor â€œApplication of the RATING score: In regards to Hansen et al.â€• Radiotherapy and Oncology, 2021, 158, 311.	0.3	1
14	A national study on the inter-observer variability in the delineation of organs at risk in the brain. Acta OncolÃ³gica, 2021, 60, 1548-1554.	0.8	10
15	Treatment plan comparison of proton vs photon radiotherapy for lower-grade gliomas. Physics and Imaging in Radiation Oncology, 2021, 20, 98-104.	1.2	4
16	Innate signaling within the central nervous system recruits protective neutrophils. Acta Neuropathologica Communications, 2020, 8, 2.	2.4	13
17	Radiotherapy Treatment plannINg study Guidelines (RATING): A framework for setting up and reporting on scientific treatment planning studies. Radiotherapy and Oncology, 2020, 153, 67-78.	0.3	77
18	What is plan quality in radiotherapy? The importance of evaluating dose metrics, complexity, and robustness of treatment plans. Radiotherapy and Oncology, 2020, 153, 26-33.	0.3	87

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19	Influence of FAZA PET hypoxia and HPV-status for the outcome of head and neck squamous cell carcinoma (HNSCC) treated with radiotherapy: Long-term results from the DAHANCA 24 trial (NCT01017224). Radiotherapy and Oncology, 2020, 151, 126-133.	0.3	16
20	The Danish Head and Neck Cancer Group (DAHANCA) 2020 radiotherapy guidelines. Radiotherapy and Oncology, 2020, 151, 149-151.	0.3	49
21	Delineation of whole heart and substructures in thoracic radiation therapy: National guidelines and contouring atlas by the Danish Multidisciplinary Cancer Groups. Radiotherapy and Oncology, 2020, 150, 121-127.	0.3	42
22	Comparison between stromal vascular fraction and adipose derived stem cells in a mouse lymphedema model. Journal of Plastic Surgery and Hand Surgery, 2020, 54, 302-311.	0.4	6
23	DAHANCA 28: A phase I/II feasibility study of hyperfractionated, accelerated radiotherapy with concomitant cisplatin and nimorazole (HART-CN) for patients with locally advanced, HPV/p16-negative squamous cell carcinoma of the oropharynx, hypopharynx, larynx and oral cavity. Radiotherapy and Oncology, 2020, 148, 65-72.	0.3	17
24	Prediction of radiation-induced mucositis of H&N cancer patients based on a large patient cohort. Radiotherapy and Oncology, 2020, 147, 15-21.	0.3	15
25	SP-026 Modern IMRT planning, how high can we push the bar?. Radiotherapy and Oncology, 2019, 132, 15.	0.3	0
26	PO-158 Osteoradionecrosis of the mandible after intensity modulated radiation therapy (IMRT). Radiotherapy and Oncology, 2019, 132, 84.	0.3	1
27	Osteoradionecrosis of the mandible after radiotherapy for head and neck cancer: risk factors and dose-volume correlations. Acta Oncológica, 2019, 58, 1373-1377.	0.8	102
28	Relationship between patient and physician-rated xerostomia and dose distribution to the oral cavity and salivary glands for head and neck cancer patients after radiotherapy. Acta Oncológica, 2019, 58, 1366-1372.	0.8	16
29	NTCP model validation method for DAHANCA patient selection of protons versus photons in head and neck cancer radiotherapy. Acta Oncológica, 2019, 58, 1410-1415.	0.8	24
30	PO-1028 Absolute validation of MR versus radiation iso-center on a high-field MR linac. Radiotherapy and Oncology, 2019, 133, S570-S571.	0.3	0
31	OC-0403 Type 4 TRIPOD external validation of a larynx survival model. Radiotherapy and Oncology, 2019, 133, S205-S206.	0.3	0
32	EP-2171 Optimizing individual customized neck rests for proton therapy of brain tumors. Radiotherapy and Oncology, 2019, 133, S1199-S1200.	0.3	1
33	Awareness and surveillance of radiation treatment schedules reduces head and neck overall treatment time. Technical Innovations and Patient Support in Radiation Oncology, 2019, 9, 26-30.	0.6	3
34	Adapting automated treatment planning configurations across international centres for prostate radiotherapy. Physics and Imaging in Radiation Oncology, 2019, 10, 7-13.	1.2	12
35	Local recurrences after curative IMRT for HNSCC: Effect of different GTV to high-dose CTV margins. Radiotherapy and Oncology, 2018, 126, 48-55.	0.3	41
36	Consequences of introducing geometric GTV to CTV margin expansion in DAHANCA contouring guidelines for head and neck radiotherapy. Radiotherapy and Oncology, 2018, 126, 43-47.	0.3	48

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37	Quantification of Chronic Lymphedema in a Revised Mouse Model. Annals of Plastic Surgery, 2018, 81, 594-603.	0.5	15
38	IMRT â€" Biomarkers for dose escalation, dose de-escalation and personalized medicine in radiotherapy for head and neck cancer. Oral Oncology, 2018, 86, 91-99.	0.8	12
39	OC-0097: Awareness and surveillance reduces head and neck radiotherapy treatment length. Radiotherapy and Oncology, 2018, 127, S51-S52.	0.3	0
40	OC-0268: FAZA PET hypoxia as a marker of loco-regional recurrence in HNSCC? Results from the DAHANCA 24 trial. Radiotherapy and Oncology, 2018, 127, S136.	0.3	2
41	PV-0430: Localisation of recurrences in the neck after IMRT for HNSCC in relation to the elective CTV. Radiotherapy and Oncology, 2018, 127, S227.	0.3	0
42	OC-0509: Prediction of radiation induced mucositis of H&N cancer patients based on a large patient cohort. Radiotherapy and Oncology, 2018, 127, S264-S265.	0.3	0
43	SP-0648: Challenges for clinical automated planning encountered at Odense University Hospital. Radiotherapy and Oncology, 2018, 127, S344.	0.3	0
44	PO-0922: Implementation of swallowing organs in national radiotherapy guidelines for H&N cancer. Radiotherapy and Oncology, 2018, 127, S496-S497.	0.3	1
45	EP-1897: A multi-centre comparison of automated treatment planning for prostate cancer. Radiotherapy and Oncology, 2018, 127, S1027-S1028.	0.3	0
46	EP-1911: Impact on prostate cancer treatment plan quality by MR Linac treatment planning system. Radiotherapy and Oncology, 2018, 127, S1037-S1038.	0.3	1
47	EP-2345: Immobilization of head and neck patients on the CT-simulation couch. Radiotherapy and Oncology, 2018, 127, S1227-S1228.	0.3	0
48	Plan quality for high-risk prostate cancer treated with high field magnetic resonance imaging guided radiotherapy. Physics and Imaging in Radiation Oncology, 2018, 7, 1-8.	1.2	14
49	Comparison of multi-institutional pre-treatment verification for VMAT of nasopharynx with delivery errors. Physica Medica, 2018, 53, 25-31.	0.4	6
50	Contouring and dose calculation in head and neck cancer radiotherapy after reduction of metal artifacts in CT images. Acta OncolÃ³gica, 2017, 56, 874-878.	0.8	27
51	Multi-institutional comparison of simulated treatment delivery errors in ssIMRT, manually planned VMAT and autoplan-VMAT plans for nasopharyngeal radiotherapy. Physica Medica, 2017, 42, 55-66.	0.4	15
52	Successful implementation of Virtual Environment for Radiotherapy Training (VERT) in Medical Physics education: The University of Sydneyâ€™s initial experience and recommendations. Australasian Physical and Engineering Sciences in Medicine, 2017, 40, 909-916.	1.4	8
53	Automatic treatment planning facilitates fast generation of high-quality treatment plans for esophageal cancer. Acta OncolÃ³gica, 2017, 56, 1495-1500.	0.8	32
54	Analysis of CT-verified loco-regional recurrences after definitive IMRT for HNSCC using site of origin estimation methods. Acta OncolÃ³gica, 2017, 56, 1554-1561.	0.8	25

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55	EP-1477: Evaluating gamma-index quality assurance methods for Nasopharynx Volumetric Arc Therapy (VMAT). Radiotherapy and Oncology, 2017, 123, S789.	0.3	0
56	OC-042: Re-irradiation with curative intent of squamous cell carcinomas of the head and neck in Denmark. Radiotherapy and Oncology, 2017, 122, 23.	0.3	0
57	PO-0613: Effect of geometric GTV-CTV margins in national contouring guidelines. Radiotherapy and Oncology, 2017, 123, S319-S320.	0.3	0
58	EP-1525: Automatic treatment plan generation for Prostate Cancer. Radiotherapy and Oncology, 2017, 123, S819-S820.	0.3	1
59	EP-1641: Intra-fractional CBCT validation of a 6D couch to facilitate precision RT of head and neck cancer. Radiotherapy and Oncology, 2017, 123, S890.	0.3	0
60	OC-0329: Does margin matter? Distribution of locoregional failures after primary IMRT for Head & Neck cancer. Radiotherapy and Oncology, 2017, 123, S173.	0.3	0
61	PO-110: Analysis of loco-regional failures after IMRT for HNSCC using deformable image registration. Radiotherapy and Oncology, 2017, 122, 53.	0.3	0
62	PO-0808: Comparison of multi-institutional QA for VMAT of Nasopharynx with simulated delivery errors. Radiotherapy and Oncology, 2017, 123, S431-S432.	0.3	0
63	Investigating the impact of treatment delivery uncertainties on treatment effectiveness for lung SABR. Australasian Physical and Engineering Sciences in Medicine, 2017, 40, 823-829.	1.4	8
64	Automatic planning of head and neck treatment plans. Journal of Applied Clinical Medical Physics, 2016, 17, 272-282.	0.8	119
65	PO-0944: Stability in leaf position of 3 generations of optical digitally controlled Multi Leaf Collimators. Radiotherapy and Oncology, 2016, 119, S458-S459.	0.3	1
66	Open source deformable image registration system for treatment planning and recurrence CT scans. Strahlentherapie Und Onkologie, 2016, 192, 545-551.	1.0	17
67	PO-0837: Automatic treatment planning improves clinical quality of Head and Neck cancer treatments. Radiotherapy and Oncology, 2016, 119, S396-S397.	0.3	2
68	Automatic treatment planning improves the clinical quality of head and neck cancer treatment plans. Clinical and Translational Radiation Oncology, 2016, 1, 2-8.	0.9	81
69	Impact of 4D image quality on the accuracy of target definition. Australasian Physical and Engineering Sciences in Medicine, 2016, 39, 103-112.	1.4	7
70	SU-D-201-01: A Multi-Institutional Study Quantifying the Impact of Simulated Linear Accelerator VMAT Errors for Nasopharynx. Medical Physics, 2016, 43, 3333-3334.	1.6	0
71	SU-F-T-384: Step and Shoot IMRT, VMAT and Autoplan VMAT Nasopharnyx Plan Robustness to Linear Accelerator Delivery Errors. Medical Physics, 2016, 43, 3551-3551.	1.6	0
72	Efficient and accurate stereotactic radiotherapy using flattening filter free beams and HexaPOD robotic tables. Journal of Radiosurgery and SBRT, 2016, 4, 153-161.	0.2	2

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73	PO-0944: Radiotherapy QA of the DAHANCA 19 protocol. Radiotherapy and Oncology, 2015, 115, S494-S495.	0.3	3
74	EP-1485: Changes in intrafractional motion due to the introduction of a Flattening Filter Free treatment technique. Radiotherapy and Oncology, 2015, 115, S807-S808.	0.3	0
75	PO-0790: Changes in acute response to radiation after implementation of new national guidelines for head and neck cancer. Radiotherapy and Oncology, 2015, 115, S395-S396.	0.3	0
76	PD-0386: Multi centre comparative dose accuracy of Flattening Filter Free beams for SBRT lung cancer treatment. Radiotherapy and Oncology, 2015, 115, S185-S186.	0.3	0
77	PO-0862: Flattening filter free beam used for normal fractionated treatments. Radiotherapy and Oncology, 2015, 115, S438-S439.	0.3	0
78	Multicentre knowledge sharing and planning/dose audit on flattening filter free beams for SBRT lung. Journal of Physics: Conference Series, 2015, 573, 012018.	0.3	9
79	Plan quality and delivery accuracy of flattening filter free beam for SBRT lung treatments. Acta Oncológica, 2015, 54, 422-427.	0.8	14
80	Quality assurance of radiation therapy for head and neck cancer patients treated in DAHANCA 10 randomized trial. Acta Oncológica, 2015, 54, 1669-1673.	0.8	23
81	PO-0950: Validation of the deformable image registration system elastix in the head and neck region. Radiotherapy and Oncology, 2015, 115, S499-S500.	0.3	0
82	SU–E–T–370: Evaluating Plan Quality and Dose Delivery Accuracy of Tomotherapy SBRT Treatments for Lung Cancer. Medical Physics, 2015, 42, 3418-3419.	1.6	0
83	PO-0930: From random sampling QA to digital central review QA of multicentre clinical H&N radiotherapy protocols in DAHANCA. Radiotherapy and Oncology, 2014, 111, S118-S119.	0.3	0
84	Comparison of three immobilisation systems for radiation therapy in head and neck cancer. Acta Oncológica, 2014, 53, 423-427.	0.8	23
85	Pilot dose intercomparisons of 3D and 4D advanced lung radiotherapy. Physica Medica, 2014, 30, e25.	0.4	0
86	PD-0410: Multi centre planning study on flattening filter free beams for SBRT lung cancer treatment. Radiotherapy and Oncology, 2014, 111, S162.	0.3	0
87	Automatic Planning of Head and Neck Treatment Plans: A Way to Optimize the Plan Quality and Reduce Workload. International Journal of Radiation Oncology Biology Physics, 2013, 87, S135-S136.	0.4	0
88	OC-0256: Can O-MAR increase precision of delineation in head and neck cancer?. Radiotherapy and Oncology, 2013, 106, S100.	0.3	0
89	PD-0564: National dose audit of the quality of head and neck IMRT in the Danish Head and Neck Cancer Group (DAHANCA). Radiotherapy and Oncology, 2013, 106, S216.	0.3	2
90	Changes in Dose for Head-and-Neck Cancer Patients as a Consequence of Orthopedic Metal Artifact Reduction. International Journal of Radiation Oncology Biology Physics, 2012, 84, S520-S521.	0.4	0

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91	PD-0270 COMPARISON OF THREE IMMOBILISATION SYSTEMS FOR RADIATION THERAPY IN HEAD AND NECK CANCER. Radiotherapy and Oncology, 2012, 103, S106.	0.3	1
92	PD-0443 PATTERN OF LOCO-REGIONAL RECURRENCES AFTER PRIMARY IMRT OF SQUAMOUS CELL CARCINOMAS OF THE HEAD AND NECK. Radiotherapy and Oncology, 2012, 103, S176-S177.	0.3	0
93	PO-0910 VALIDATION OF ROBUSTNESS OF TREATMENT PLANS â€" COMPARISON OF VMAT AND IMRT FOR LUNG CANCER PATIENTS. Radiotherapy and Oncology, 2012, 103, S358-S359.	0.3	0
94	Feasibility of FDG-PET/CT imaging during concurrent chemo-radiotherapy in patients with locally advanced pancreatic cancer. Acta OncolÃ³gica, 2011, 50, 1250-1252.	0.8	6
95	Highly deformed high-spin band in125I. Physical Review C, 2011, 84, .	1.1	14
96	1481 poster GEFAQA.NET â€" AN AUTOMATED DOSE PROFILE EVALUATION TOOL IN THE MNEME FRAMEWORK. Radiotherapy and Oncology, 2011, 99, S551.	0.3	0
97	High-spin spectroscopy in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Xe</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>125</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review C, 2011, 83, .	1.1	26
98	Noncollective aligned and antialigned states inI125. Physical Review C, 2010, 82, .	1.1	21
99	Single Arc Volumetric Modulated Arc Therapy of head and neck cancer. Radiotherapy and Oncology, 2010, 95, 142-148.	0.3	159
100	Investigation of respiration induced intra- and inter-fractional tumour motion using a standard Cone Beam CT. Acta OncolÃ³gica, 2010, 49, 1192-1198.	0.8	48
101	Evaluation of the Change in Respiration Motion using a Standard Elekta Cone Beam CT. International Journal of Radiation Oncology Biology Physics, 2009, 75, S585.	0.4	0
102	Single Arc VMAT of H&N Cancer. International Journal of Radiation Oncology Biology Physics, 2009, 75, S721-S722.	0.4	0
103	EVALUATION OF THE CHANGE IN RESPIRATION MOTION USING A STANDARD ELEKTA CONE BEAM CT. Radiotherapy and Oncology, 2009, 92, S36.	0.3	0
104	SINGLE ARC VMAT OF H&N CANCER. Radiotherapy and Oncology, 2009, 92, S195.	0.3	0
105	Transition to non-collective states at high spin in 124Xe. European Physical Journal A, 2008, 36, 21-29.	1.0	16
106	Set-up errors in patients undergoing image guided radiation treatment. Relationship to body mass index and weight loss. Acta OncolÃ³gica, 2008, 47, 1454-1458.	0.8	30
107	Band structures extending to very high spin inXe126. Physical Review C, 2007, 76, .	1.1	26
108	Evidence for octupole vibration in the triaxial superdeformed well ofLu164. Physical Review C, 2007, 75, .	1.1	19

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109	Charged particle feeding of hyperdeformed nuclei in the A=118â€"126 region. Physica Scripta, 2006, T125, 108-114.	1.2	13
110	Competition between collective and noncollective excitation modes at high spin inBa124. Physical Review C, 2006, 74, .	1.1	25
111	Search For Hyperdeformation In Xe Nuclei. AIP Conference Proceedings, 2005, , .	0.3	3
112	Octupole signatures in 124,125Ba. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1729-S1733.	1.4	6
113	Evidence for octupole correlations inBa124,125. Physical Review C, 2005, 72, .	1.1	34
114	Quadrupole moment measurements of TSD1 and TSD2 bands in167Lu. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1873-S1876.	1.4	8