Coen Rasch

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11740177/publications.pdf

Version: 2024-02-01

62 papers	5,811 citations	117453 34 h-index	118652 62 g-index
62 all docs	62 docs citations	62 times ranked	4762 citing authors

#	Article	IF	Citations
1	The probability of correct target dosage: dose-population histograms for deriving treatment margins in radiotherapy. International Journal of Radiation Oncology Biology Physics, 2000, 47, 1121-1135.	0.4	1,443
2	Definition of the prostate in CT and MRI: a multi-observer study. International Journal of Radiation Oncology Biology Physics, 1999, 43, 57-66.	0.4	524
3	Quantification of shape variation of prostate and seminal vesicles during external beam radiotherapy. International Journal of Radiation Oncology Biology Physics, 2005, 61, 228-238.	0.4	327
4	Reduction of observer variation using matched CT-PET for lung cancer delineation: A three-dimensional analysis. International Journal of Radiation Oncology Biology Physics, 2006, 64, 435-448.	0.4	289
5	Impact of Anatomical Location on Value of CTâ€“PET Co-Registration for Delineation of Lung Tumors. International Journal of Radiation Oncology Biology Physics, 2008, 70, 1403-1407.	0.4	198
6	Target Definition in Prostate, Head, and Neck. Seminars in Radiation Oncology, 2005, 15, 136-145.	1.0	184
7	The European Society of Therapeutic Radiology and Oncologyâ€“European Institute of Radiotherapy (ESTROâ€“EIR) report on 3D CT-based in-room image guidance systems: A practical and technical review and guide. Radiotherapy and Oncology, 2010, 94, 129-144.	0.3	168
8	The potential impact of CT-MRI matching on tumor volume delineation in advanced head and neck cancer. International Journal of Radiation Oncology Biology Physics, 1997, 39, 841-848.	0.4	157
9	Setup Uncertainties of Anatomical Sub-Regions in Head-and-Neck Cancer Patients After Offline CBCT Guidance. International Journal of Radiation Oncology Biology Physics, 2009, 73, 1566-1573.	0.4	152
10	Adaptive Radiotherapy for Anatomical Changes. Seminars in Radiation Oncology, 2019, 29, 245-257.	1.0	152
11	Observer variation in target volume delineation of lung cancer related to radiation oncologistâ€“computer interaction: A â€˜Big Brotherâ€™ evaluation. Radiotherapy and Oncology, 2005, 77, 182-190.	0.3	145
12	Three-dimensional analysis of delineation errors, setup errors, and organ motion during radiotherapy of bladder cancer. International Journal of Radiation Oncology Biology Physics, 2003, 55, 1277-1287.	0.4	142
13	How should we measure and report radiotherapy-induced xerostomia?. Seminars in Radiation Oncology, 2003, 13, 226-234.	1.0	135
14	Adaptive and innovative Radiation Treatment FOR improving Cancer treatment outcomE (ARTFORCE); a randomized controlled phase II trial for individualized treatment of head and neck cancer. BMC Cancer, 2013, 13, 84.	1.1	113
15	Dysphagia and trismus after concomitant chemo-Intensity-Modulated Radiation Therapy (chemo-IMRT) in advanced head and neck cancer; doseâ€“effect relationships for swallowing and mastication structures. Radiotherapy and Oncology, 2013, 106, 364-369.	0.3	109
16	Reduction of dose delivered to the rectum and bulb of the penis using MRI delineation for radiotherapy of the prostate. International Journal of Radiation Oncology Biology Physics, 2003, 57, 1269-1279.	0.4	95
17	Results of a Multicentric In Silico Clinical Trial (ROCOCO): Comparing Radiotherapy with Photons and Protons for Non-small Cell Lung Cancer. Journal of Thoracic Oncology, 2012, 7, 165-176.	0.5	89
18	A general methodology for three-dimensional analysis of variation in target volume delineation. Medical Physics, 1999, 26, 931-940.	1.6	86

#	Article	IF	Citations
19	Pretreatment organ function in patients with advanced head and neck cancer: clinical outcome measures and patients' views. BMC Ear, Nose and Throat Disorders, 2009, 9, 10.	2.6	83
20	Reirradiation for Head-and-Neck Cancer: Delicate Balance Between Effectiveness and Toxicity. International Journal of Radiation Oncology Biology Physics, 2011, 81, e111-e118.	0.4	81
21	Prospective Randomized Double-Blind Pilot Study of Site-Specific Consensus Atlas Implementation for Rectal Cancer Target Volume Delineation in the Cooperative Group Setting. International Journal of Radiation Oncology Biology Physics, 2011, 79, 481-489.	0.4	79
22	Decreased 3D observer variation with matched CT-MRI, for target delineation in Nasopharynx cancer. Radiation Oncology, 2010, 5, 21.	1.2	67
23	Gene Expression Profiling to Predict Outcome After Chemoradiation in Head and Neck Cancer. International Journal of Radiation Oncology Biology Physics, 2007, 69, 1544-1552.	0.4	65
24	Development and validation of a nomogram for prediction of survival and local control in laryngeal carcinoma patients treated with radiotherapy alone: A cohort study based on 994 patients. Radiotherapy and Oncology, 2011, 100, 108-115.	0.3	62
25	Reirradiation and hyperthermia for irresectable locoregional recurrent breast cancer in previously irradiated area: Size matters. Radiotherapy and Oncology, 2015, 117, 223-228.	0.3	60
26	Molecular markers predict outcome in squamous cell carcinoma of the head and neck after concomitant cisplatinâ€based chemoradiation. International Journal of Cancer, 2009, 124, 2643-2650.	2.3	49
27	Automatic registration of pelvic computed tomography data and magnetic resonance scans including a full circle method for quantitative accuracy evaluation. Medical Physics, 1998, 25, 2054-2067.	1.6	48
28	Irradiation of paranasal sinus tumors, a delineation and dose comparison study. International Journal of Radiation Oncology Biology Physics, 2002, 52, 120-127.	0.4	46
29	First clinical experience with a multiple region of interest registration and correction method in radiotherapy of head-and-neck cancer patients. Radiotherapy and Oncology, 2010, 94, 213-217.	0.3	45
30	Hearing loss due to concurrent daily low-dose cisplatin chemoradiation for locally advanced head and neck cancer. Radiotherapy and Oncology, 2008, 89, 38-43.	0.3	44
31	Correction strategies to manage deformations in head-and-neck radiotherapy. Radiotherapy and Oncology, 2010, 94, 199-205.	0.3	40
32	Comparison of prostate cancer treatment in two institutions: a quality control study. International Journal of Radiation Oncology Biology Physics, 1999, 45, 1055-1062.	0.4	38
33	Breast-Conserving Therapy: Radiotherapy Margins for Breast Tumor Bed Boost. International Journal of Radiation Oncology Biology Physics, 2008, 72, 941-948.	0.4	38
34	HPV and high-risk gene expression profiles predict response to chemoradiotherapy in head and neck cancer, independent of clinical factors. Radiotherapy and Oncology, 2010, 95, 365-370.	0.3	36
35	Relationship between clinical factors and the incidence of toxicity after intra-arterial chemoradiation for head and neck cancer. Radiotherapy and Oncology, 2006, 81, 143-150.	0.3	32
36	Design of and technical challenges involved in a framework for multicentric radiotherapy treatment planning studies. Radiotherapy and Oncology, 2010, 97, 567-571.	0.3	32

#	Article	IF	Citations
37	Adaptive radiotherapy with an average anatomy model: Evaluation and quantification of residual deformations in head and neck cancer patients. Radiotherapy and Oncology, 2013, 109, 463-468.	0.3	31
38	Genetic Abnormalities Associated with Chemoradiation Resistance of Head and Neck Squamous Cell Carcinoma. Clinical Cancer Research, 2007, 13, 4386-4391.	3.2	27
39	Patterns of care survey: Radiotherapy for women with locally advanced cervical cancer. Radiotherapy and Oncology, 2017, 123, 306-311.	0.3	26
40	Thermal Skin Damage During Reirradiation and Hyperthermia Is Time-Temperature Dependent. International Journal of Radiation Oncology Biology Physics, 2017, 98, 392-399.	0.4	25
41	The prevention and treatment of radiotherapy-induced xerostomia. Seminars in Radiation Oncology, 2003, 13, 302-308.	1.0	24
42	Impact of knee support and shape of tabletop on rectum and prostate position. International Journal of Radiation Oncology Biology Physics, 2004, 60, 1364-1372.	0.4	22
43	A New Grading System for Ototoxicity in Adults. Annals of Otology, Rhinology and Laryngology, 2014, 123, 711-718.	0.6	21
44	Concurrent chemoradiation with daily low dose cisplatin for advanced stage head and neck carcinoma. Radiotherapy and Oncology, 2007, 85, 42-47.	0.3	20
45	Quantification of renal and diaphragmatic interfractional motion in pediatric image-guided radiation therapy: A multicenter study. Radiotherapy and Oncology, 2015, 117, 425-431.	0.3	19
46	Analysis of GTV reduction during radiotherapy for oropharyngeal cancer: Implications for adaptive radiotherapy. Radiotherapy and Oncology, 2017, 122, 224-228.	0.3	19
47	Consequences of anorectal cancer atlas implementation in the cooperative group setting: Radiobiologic analysis of a prospective randomized in silico target delineation study. Radiotherapy and Oncology, 2014, 112, 418-424.	0.3	17
48	Magnitude and variability of respiratory-induced diaphragm motion in children during image-guided radiotherapy. Radiotherapy and Oncology, 2017, 123, 263-269.	0.3	16
49	Role of deformable image registration for delivered dose accumulation of adaptive external beam radiation therapy and brachytherapy in cervical cancer. Journal of Contemporary Brachytherapy, 2018, 10, 542-550.	0.4	14
50	Rib fractures after reirradiation plus hyperthermia for recurrent breast cancer. Strahlentherapie Und Onkologie, 2016, 192, 240-247.	1.0	13
51	Deviations from the planned dose during 48hours of stepping source prostate brachytherapy caused by anatomical variations. Radiotherapy and Oncology, 2013, 107, 106-111.	0.3	12
52	Post-operative re-irradiation with hyperthermia in locoregional breast cancer recurrence: Temperature matters. Radiotherapy and Oncology, 2022, 167, 149-157.	0.3	11
53	Retrospective attenuation correction of PET data for radiotherapy planning using a free breathing CT. Radiotherapy and Oncology, 2007, 83, 42-48.	0.3	9
54	Two high-resolution thermal monitoring sheets for clinical superficial hyperthermia. Physics in Medicine and Biology, 2020, 65, 175021.	1.6	8

#	Article	IF	Citations
55	Craniocaudal tumour extension in uterine cervical cancer on MRI compared to histopathology. European Journal of Radiology Open, 2015, 2, 111-117.	0.7	6
56	Prospective validation of craniocaudal tumour size on MR imaging compared to histoPAthology in patients with uterine cervical cancer: The MPAC study. Clinical and Translational Radiation Oncology, 2019, 18, 9-15.	0.9	5
57	Local interfractional setup reproducibility for 2 individual head and neck supports in head and neck cancer patients. Practical Radiation Oncology, 2014, 4, 448-454.	1.1	4
58	Image Distortions on a Plastic Interstitial Computed Tomography/Magnetic Resonance Brachytherapy Applicator at 3ÂTesla Magnetic Resonance Imaging and Their Dosimetric Impact. International Journal of Radiation Oncology Biology Physics, 2017, 99, 710-718.	0.4	4
59	Impact of coronal and sagittal views on lung gross tumor volume delineation. Physica Medica, 2016, 32, 1082-1087.	0.4	2
60	Redistributed versus homogenous radiotherapy dose for head and neck cancer; a treatment planning study. Physics and Imaging in Radiation Oncology, 2017, 3, 17-20.	1.2	1
61	Reâ€irradiation plus hyperthermia for recurrent pediatric sarcoma; a simulation study to investigate feasibility. International Journal of Oncology, 2018, 54, 209-218.	1.4	1
62	Heart volume reduction during radiotherapy involving the thoracic region in children: An unexplained phenomenon. Radiotherapy and Oncology, 2018, 128, 214-220.	0.3	1