

Esther G C Troost

List of Publications by Year in descending order

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176
papers

7,494
citations

71102

41
h-index

64796

79
g-index

191
all docs

191
docs citations

191
times ranked

8643
citing authors

#	ARTICLE	IF	CITATIONS
1	The Image Biomarker Standardization Initiative: Standardized Quantitative Radiomics for High-Throughput Image-based Phenotyping. <i>Radiology</i> , 2020, 295, 328-338.	7.3	1,869
2	The effect of SUV discretization in quantitative FDG-PET Radiomics: the need for standardized methodology in tumor texture analysis. <i>Scientific Reports</i> , 2015, 5, 11075.	3.3	318
3	“Rapid Learning health care in oncology” An approach towards decision support systems enabling customised radiotherapy. <i>Radiotherapy and Oncology</i> , 2013, 109, 159-164.	0.6	175
4	Assessing robustness of radiomic features by image perturbation. <i>Scientific Reports</i> , 2019, 9, 614.	3.3	166
5	A comparative study of machine learning methods for time-to-event survival data for radiomics risk modelling. <i>Scientific Reports</i> , 2017, 7, 13206.	3.3	163
6	¹⁸ F-FLT PET/CT for Early Response Monitoring and Dose Escalation in Oropharyngeal Tumors. <i>Journal of Nuclear Medicine</i> , 2010, 51, 866-874.	5.0	147
7	¹⁸ F-FLT PET Does Not Discriminate Between Reactive and Metastatic Lymph Nodes in Primary Head and Neck Cancer Patients. <i>Journal of Nuclear Medicine</i> , 2007, 48, 726-735.	5.0	142
8	Residual tumour hypoxia in head-and-neck cancer patients undergoing primary radiochemotherapy, final results of a prospective trial on repeat FMISO-PET imaging. <i>Radiotherapy and Oncology</i> , 2017, 124, 533-540.	0.6	123
9	Radiation dose constraints for organs at risk in neuro-oncology; the European Particle Therapy Network consensus. <i>Radiotherapy and Oncology</i> , 2018, 128, 26-36.	0.6	112
10	¹⁸ F-FLT PET During Radiotherapy or Chemoradiotherapy in Head and Neck Squamous Cell Carcinoma Is an Early Predictor of Outcome. <i>Journal of Nuclear Medicine</i> , 2013, 54, 532-540.	5.0	111
11	¹⁸ F-FDG PET Early Response Evaluation of Locally Advanced Non-Small Cell Lung Cancer Treated with Concomitant Chemoradiotherapy. <i>Journal of Nuclear Medicine</i> , 2013, 54, 1528-1534.	5.0	104
12	PET of Hypoxia with ⁸⁹ Zr-Labeled cG250-F(ab) ₂ in Head and Neck Tumors. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1076-1083.	5.0	98
13	Relative biological effectiveness in proton beam therapy “ Current knowledge and future challenges. <i>Clinical and Translational Radiation Oncology</i> , 2018, 9, 35-41.	1.7	96
14	Clinical evidence on PET-CT for radiation therapy planning in head and neck tumours. <i>Radiotherapy and Oncology</i> , 2010, 96, 328-334.	0.6	88
15	Correlation of [¹⁸ F]FMISO autoradiography and pimonodazole immunohistochemistry in human head and neck carcinoma xenografts. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 1803-1811.	6.4	85
16	Hypoxia imaging with [¹⁸ F]HX4 PET in NSCLC patients: Defining optimal imaging parameters. <i>Radiotherapy and Oncology</i> , 2013, 109, 58-64.	0.6	81
17	<i>In Vivo</i> Quantification of Hypoxic and Metabolic Status of NSCLC Tumors Using [¹⁸ F]HX4 and [¹⁸ F]FDG-PET/CT Imaging. <i>Clinical Cancer Research</i> , 2014, 20, 6389-6397.	7.0	81
18	The EPTN consensus-based atlas for CT- and MR-based contouring in neuro-oncology. <i>Radiotherapy and Oncology</i> , 2018, 128, 37-43.	0.6	80

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19	Radiotherapy Combined with the Immunocytokine L19-IL2 Provides Long-lasting Antitumor Effects. <i>Clinical Cancer Research</i> , 2015, 21, 1151-1160.	7.0	79
20	PET in the management of locally advanced and metastatic NSCLC. <i>Nature Reviews Clinical Oncology</i> , 2015, 12, 395-407.	27.6	75
21	Innovations in Radiotherapy Planning of Head and Neck Cancers: Role of PET. <i>Journal of Nuclear Medicine</i> , 2010, 51, 66-76.	5.0	73
22	Imaging hypoxia after oxygenation-modification: Comparing [18F]FMISO autoradiography with pimonidazole immunohistochemistry in human xenograft tumors. <i>Radiotherapy and Oncology</i> , 2006, 80, 157-164.	0.6	72
23	Improved progression free survival for patients with diabetes and locally advanced non-small cell lung cancer (NSCLC) using metformin during concurrent chemoradiotherapy. <i>Radiotherapy and Oncology</i> , 2016, 118, 453-459.	0.6	68
24	Early identification of antigen-specific immune responses in vivo by [¹⁸ F]-labeled 3- ³ fluoro-3- ³ -deoxy-thymidine ([¹⁸ F]FLT) PET imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18396-18399.	7.1	65
25	PET-based dose painting in non-small cell lung cancer: Comparing uniform dose escalation with boosting hypoxic and metabolically active sub-volumes. <i>Radiotherapy and Oncology</i> , 2015, 116, 281-286.	0.6	64
26	Multiparametric imaging of patient and tumour heterogeneity in non-small-cell lung cancer: quantification of tumour hypoxia, metabolism and perfusion. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 240-248.	6.4	64
27	Comparison of [18F]-FMISO, [18F]-FAZA and [18F]-HX4 for PET imaging of hypoxia – a simulation study. <i>Acta Oncologica</i> , 2015, 54, 1370-1377.	1.8	61
28	18F-fluorodeoxyglucose positron-emission tomography (FDG-PET)-Radiomics of metastatic lymph nodes and primary tumor in non-small cell lung cancer (NSCLC) – A prospective externally validated study. <i>PLoS ONE</i> , 2018, 13, e0192859.	2.5	57
29	Comparison of different methods of CAIX quantification in relation to hypoxia in three human head and neck tumor lines. <i>Radiotherapy and Oncology</i> , 2005, 76, 194-199.	0.6	56
30	Multivariable normal-tissue complication modeling of acute esophageal toxicity in advanced stage non-small cell lung cancer patients treated with intensity-modulated (chemo-)radiotherapy. <i>Radiotherapy and Oncology</i> , 2015, 117, 49-54.	0.6	55
31	Modelling and simulation of [18F]fluoromisonidazole dynamics based on histology-derived microvessel maps. <i>Physics in Medicine and Biology</i> , 2011, 56, 2045-2057.	3.0	54
32	Particle Therapy for Non-Small Cell Lung Tumors: Where Do We Stand? A Systematic Review of the Literature. <i>Frontiers in Oncology</i> , 2014, 4, 292.	2.8	54
33	Evaluation of tumour hypoxia during radiotherapy using [18F]HX4 PET imaging and blood biomarkers in patients with head and neck cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 2139-2146.	6.4	51
34	Molecular PET imaging for biology-guided adaptive radiotherapy of head and neck cancer. <i>Acta Oncologica</i> , 2013, 52, 1257-1271.	1.8	50
35	Cardiac comorbidity is an independent risk factor for radiation-induced lung toxicity in lung cancer patients. <i>Radiotherapy and Oncology</i> , 2013, 109, 100-106.	0.6	50
36	Single organ metastatic disease and local disease status, prognostic factors for overall survival in stage IV non-small cell lung cancer: Results from a population-based study. <i>European Journal of Cancer</i> , 2015, 51, 2534-2544.	2.8	50

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37	Photon vs. proton radiochemotherapy: Effects on brain tissue volume and perfusion. <i>Radiotherapy and Oncology</i> , 2018, 128, 121-127.	0.6	48
38	Benefit of particle therapy in re-irradiation of head and neck patients. Results of a multicentric in silico ROCOCO trial. <i>Radiotherapy and Oncology</i> , 2016, 121, 387-394.	0.6	46
39	How public health services pay for radiotherapy in Europe: an ESTROâ€“HERO analysis of reimbursement. <i>Lancet Oncology</i> , The, 2020, 21, e42-e54.	10.7	45
40	¹⁸ F-Fluorothymidine PETâ€“Derived Proliferative Volume Predicts Overall Survival in High-Grade Glioma Patients. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1904-1910.	5.0	44
41	Prognostic value of metabolic metrics extracted from baseline positron emission tomography images in non-small cell lung cancer. <i>Acta OncolÃ³gica</i> , 2013, 52, 1398-1404.	1.8	44
42	CT imaging during treatment improves radiomic models for patients with locally advanced head and neck cancer. <i>Radiotherapy and Oncology</i> , 2019, 130, 10-17.	0.6	44
43	Epigenetics in radiotherapy: Where are we heading?. <i>Radiotherapy and Oncology</i> , 2014, 111, 168-177.	0.6	43
44	Including anatomical variations in robust optimization for head and neck proton therapy can reduce the need of adaptation. <i>Radiotherapy and Oncology</i> , 2019, 131, 127-134.	0.6	42
45	Individual patient data meta-analysis of FMISO and FAZA hypoxia PET scans from head and neck cancer patients undergoing definitive radio-chemotherapy. <i>Radiotherapy and Oncology</i> , 2020, 149, 189-196.	0.6	41
46	Applicability of a prognostic CT-based radiomic signature model trained on stage I-III non-small cell lung cancer in stage IV non-small cell lung cancer. <i>Lung Cancer</i> , 2018, 124, 6-11.	2.0	39
47	Early Weight Loss during Chemoradiotherapy Has a Detrimental Impact on Outcome in NSCLC. <i>Journal of Thoracic Oncology</i> , 2016, 11, 873-879.	1.1	38
48	Challenges and caveats of a multi-center retrospective radiomics study: an example of early treatment response assessment for NSCLC patients using FDG-PET/CT radiomics. <i>PLoS ONE</i> , 2019, 14, e0217536.	2.5	38
49	Characterization of tumor heterogeneity using dynamic contrast enhanced CT and FDG-PET in non-small cell lung cancer. <i>Radiotherapy and Oncology</i> , 2013, 109, 65-70.	0.6	37
50	First clinical results of adaptive radiotherapy based on 3D portal dosimetry for lung cancer patients with atelectasis treated with volumetric-modulated arc therapy (VMAT). <i>Acta OncolÃ³gica</i> , 2013, 52, 1484-1489.	1.8	36
51	Can Local Ablative Radiotherapy Revert Castration-resistant Prostate Cancer to an Earlier Stage of Disease?. <i>European Urology</i> , 2019, 75, 548-551.	1.9	36
52	Definitive radiation therapy for treatment of laryngeal carcinoma. <i>Strahlentherapie Und Onkologie</i> , 2013, 189, 834-841.	2.0	34
53	The Diagnostic Value of MR Imaging in Determining the Lymph Node Status of Patients with Nonâ€“Small Cell Lung Cancer: A Meta-Analysis. <i>Radiology</i> , 2016, 281, 86-98.	7.3	34
54	Increasing the Therapeutic Ratio of Stereotactic Ablative Radiotherapy by Individualized Isotoxic Dose Prescription. <i>Journal of the National Cancer Institute</i> , 2016, 108, djv305.	6.3	34

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55	2D and 3D convolutional neural networks for outcome modelling of locally advanced head and neck squamous cell carcinoma. <i>Scientific Reports</i> , 2020, 10, 15625.	3.3	34
56	Treatment outcome and toxicity of intensity-modulated (chemo) radiotherapy in stage III non-small cell lung cancer patients. <i>Radiation Oncology</i> , 2012, 7, 150.	2.7	33
57	Nodal recurrence after stereotactic body radiotherapy for early stage non-small cell lung cancer: Incidence and proposed risk factors. <i>Cancer Treatment Reviews</i> , 2017, 56, 8-15.	7.7	33
58	Prognostic value of blood-biomarkers related to hypoxia, inflammation, immune response and tumour load in non-small cell lung cancer – A survival model with external validation. <i>Radiotherapy and Oncology</i> , 2016, 119, 487-494.	0.6	32
59	Photons, protons or carbon ions for stage I non-small cell lung cancer – Results of the multicentric ROCOCO in silico study. <i>Radiotherapy and Oncology</i> , 2018, 128, 139-146.	0.6	32
60	Update of the EPTN atlas for CT- and MR-based contouring in Neuro-Oncology. <i>Radiotherapy and Oncology</i> , 2021, 160, 259-265.	0.6	32
61	Individualized Dose Prescription for Hypofractionation in Advanced Non-Small-Cell Lung Cancer Radiotherapy: An in silico Trial. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 83, 1596-1602.	0.8	31
62	Semiautomatic methods for segmentation of the proliferative tumour volume on sequential FLT PET/CT images in head and neck carcinomas and their relation to clinical outcome. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 41, 915-924.	6.4	31
63	A teaching intervention in a contouring dummy run – Improved target volume delineation in locally advanced non-small cell lung cancer. <i>Strahlentherapie Und Onkologie</i> , 2015, 191, 525-533.	2.0	31
64	Comparison of toxicity and outcome in advanced stage non-small cell lung cancer patients treated with intensity-modulated (chemo-)radiotherapy using IMRT or VMAT. <i>Radiotherapy and Oncology</i> , 2017, 122, 295-299.	0.6	31
65	The role of computational methods for automating and improving clinical target volume definition. <i>Radiotherapy and Oncology</i> , 2020, 153, 15-25.	0.6	31
66	Modelling and simulation of the influence of acute and chronic hypoxia on [¹⁸ F]fluoromisonidazole PET imaging. <i>Physics in Medicine and Biology</i> , 2012, 57, 1675-1684.	3.0	30
67	Individualized early death and long-term survival prediction after stereotactic radiosurgery for brain metastases of non-small cell lung cancer: Two externally validated nomograms. <i>Radiotherapy and Oncology</i> , 2017, 123, 189-194.	0.6	29
68	Dual-energy CT for automatic organs-at-risk segmentation in brain-tumor patients using a multi-atlas and deep-learning approach. <i>Scientific Reports</i> , 2019, 9, 4126.	3.3	29
69	Stereotactic ablative body radiotherapy (SABR) combined with immunotherapy (L19-IL2) versus standard of care in stage IV NSCLC patients, ImmunoSABR: a multicentre, randomised controlled open-label phase II trial. <i>BMC Cancer</i> , 2020, 20, 557.	2.6	29
70	Imaging-Based Treatment Adaptation in Radiation Oncology. <i>Journal of Nuclear Medicine</i> , 2015, 56, 1922-1929.	5.0	27
71	Development and validation of NTCP models for acute side-effects resulting from proton beam therapy of brain tumours. <i>Radiotherapy and Oncology</i> , 2019, 130, 164-171.	0.6	27
72	Impact of robust treatment planning on single- and multi-field optimized plans for proton beam therapy of unilateral head and neck target volumes. <i>Radiation Oncology</i> , 2017, 12, 190.	2.7	25

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73	Repeat FMISO-PET imaging weakly correlates with hypoxia-associated gene expressions for locally advanced HNSCC treated by primary radiochemotherapy. <i>Radiotherapy and Oncology</i> , 2019, 135, 43-50.	0.6	25
74	Inter-observer variability in target delineation increases during adaptive treatment of head-and-neck and lung cancer. <i>Acta Oncologica</i> , 2019, 58, 1378-1385.	1.8	24
75	Prophylactic cranial irradiation in stage IV small cell lung cancer: Selection of patients amongst European IASLC and ESTRO experts. <i>Radiotherapy and Oncology</i> , 2019, 133, 163-166.	0.6	24
76	Joint EANM/SNMMI/ESTRO practice recommendations for the use of 2-[18F]FDG PET/CT external beam radiation treatment planning in lung cancer V1.0. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 1386-1406.	6.4	24
77	Histopathologic Validation of ^{18}F -Fluorothymidine PET in Squamous Cell Carcinoma of the Oral Cavity. <i>Journal of Nuclear Medicine</i> , 2010, 51, 713-719.	5.0	23
78	Stereotactic ablative body radiotherapy combined with immunotherapy: Present status and future perspectives. <i>Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique</i> , 2014, 18, 391-395.	1.4	23
79	Preclinical Assessment of Efficacy of Radiation Dose Painting Based on Intratumoral FDG-PET Uptake. <i>Clinical Cancer Research</i> , 2015, 21, 5511-5518.	7.0	23
80	The posterior cerebellum, a new organ at risk?. <i>Clinical and Translational Radiation Oncology</i> , 2018, 8, 22-26.	1.7	23
81	A qualitative synthesis of the evidence behind elective lymph node irradiation in oesophageal cancer. <i>Radiotherapy and Oncology</i> , 2014, 113, 166-174.	0.6	22
82	Validation of functional imaging as a biomarker for radiation treatment response. <i>British Journal of Radiology</i> , 2015, 88, 20150014.	2.2	22
83	Evaluation of response using FDG-PET/CT and diffusion weighted MRI after radiochemotherapy of pancreatic cancer: a non-randomized, monocentric phase II clinical trial PaCa-DD-041 (Eudra-CT) Tj ETQq1 1 0.284314 rgBT /Overlo	2.8	22
84	Radiation-induced lung damage – Clinical risk profiles and predictive imaging on their way to risk-adapted individualized treatment planning?. <i>Radiotherapy and Oncology</i> , 2015, 117, 1-3.	0.6	21
85	Reduced diffusion in normal appearing white matter of glioma patients following radio(chemo)therapy. <i>Radiotherapy and Oncology</i> , 2019, 140, 110-115.	0.6	21
86	PRONTOX – proton therapy to reduce acute normal tissue toxicity in locally advanced non-small-cell lung carcinomas (NSCLC): study protocol for a randomised controlled trial. <i>Trials</i> , 2016, 17, 543.	1.6	20
87	[18F]FDG PET/CT-based response assessment of stage IV non-small cell lung cancer treated with paclitaxel-carboplatin-bevacizumab with or without nitroglycerin patches. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 8-16.	6.4	20
88	Prospective data registration and clinical trials for particle therapy in Europe. <i>Radiotherapy and Oncology</i> , 2018, 128, 9-13.	0.6	20
89	Intensity-modulated proton therapy decreases dose to organs at risk in low-grade glioma patients: results of a multicentric in silico ROCOCO trial. <i>Acta Oncologica</i> , 2019, 58, 57-65.	1.8	20
90	Dose-guided patient positioning in proton radiotherapy using multicriteria-optimization. <i>Zeitschrift Fur Medizinische Physik</i> , 2019, 29, 216-228.	1.5	19

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91	Comprehensive Analysis of Tumour Sub-Volumes for Radiomic Risk Modelling in Locally Advanced HNSCC. <i>Cancers</i> , 2020, 12, 3047.	3.7	19
92	Proposal for the delineation of neoadjuvant target volumes in oesophageal cancer. <i>Radiotherapy and Oncology</i> , 2021, 156, 102-112.	0.6	19
93	Imaging of tumour hypoxia and metabolism in patients with head and neck squamous cell carcinoma. <i>Acta Oncologica</i> , 2015, 54, 1378-1384.	1.8	17
94	MR Image Changes of Normal-Appearing Brain Tissue after Radiotherapy. <i>Cancers</i> , 2021, 13, 1573.	3.7	17
95	Patient selection for whole brain radiotherapy (WBRT) in a large lung cancer cohort: Impact of a new Dutch guideline on brain metastases. <i>Acta Oncologica</i> , 2014, 53, 945-951.	1.8	16
96	Is integrated transit planar portal dosimetry able to detect geometric changes in lung cancer patients treated with volumetric modulated arc therapy?. <i>Acta Oncologica</i> , 2015, 54, 1501-1507.	1.8	16
97	Inclusion of Incidental Radiation Dose to the Cardiac Atria and Ventricles Does Not Improve the Prediction of Radiation Pneumonitis in Advanced-Stage Non-Small Cell Lung Cancer Patients Treated With Intensity Modulated Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 434-441.	0.8	16
98	Investigation of inter-fraction target motion variations in the context of pencil beam scanned proton therapy in non-small cell lung cancer patients. <i>Medical Physics</i> , 2020, 47, 3835-3844.	3.0	16
99	Value of PET imaging for radiation therapy. <i>Strahlentherapie Und Onkologie</i> , 2021, 197, 1-23.	2.0	16
100	Analysis of MRI and CT-based radiomics features for personalized treatment in locally advanced rectal cancer and external validation of published radiomics models. <i>Scientific Reports</i> , 2022, 12, .	3.3	16
101	Correlation between tumor oxygenation and 18F-fluoromisonidazole PET data simulated based on microvessel images. <i>Acta Oncologica</i> , 2013, 52, 1308-1313.	1.8	15
102	Refinement of the Hounsfield look-up table by retrospective application of patient-specific direct proton stopping-power prediction from dual-energy CT. <i>Medical Physics</i> , 2020, 47, 1796-1806.	3.0	15
103	Retrospective assessment of MRI-based volumetric changes of normal tissues in glioma patients following radio(chemo)therapy. <i>Clinical and Translational Radiation Oncology</i> , 2018, 8, 17-21.	1.7	14
104	Comparison of different treatment planning approaches for intensity-modulated proton therapy with simultaneous integrated boost for pancreatic cancer. <i>Radiation Oncology</i> , 2018, 13, 228.	2.7	14
105	Consolidative thoracic radiotherapy in stage IV small cell lung cancer: Selection of patients amongst European IASLC and ESTRO experts. <i>Radiotherapy and Oncology</i> , 2019, 135, 74-77.	0.6	14
106	FMISO-PET-based lymph node hypoxia adds to the prognostic value of tumor only hypoxia in HNSCC patients. <i>Radiotherapy and Oncology</i> , 2019, 130, 97-103.	0.6	14
107	Comparison of pancreatic respiratory motion management with three abdominal corsets for particle radiation therapy: Case study. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 111-119.	1.9	13
108	Photons or protons for reirradiation in (non-)small cell lung cancer: Results of the multicentric ROCOCO <i>in silico</i> study. <i>British Journal of Radiology</i> , 2020, 93, 20190879.	2.2	13

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109	Once daily versus twice-daily radiotherapy in the management of limited disease small cell lung cancer – Decision criteria in routine practise. <i>Radiotherapy and Oncology</i> , 2020, 150, 26-29.	0.6	13
110	Is selective nodal irradiation in non-small cell lung cancer still safe when using IMRT? Results of a prospective cohort study. <i>Radiotherapy and Oncology</i> , 2016, 121, 322-327.	0.6	12
111	Emerging Role of MRI for Radiation Treatment Planning in Lung Cancer. <i>Technology in Cancer Research and Treatment</i> , 2016, 15, NP47-NP60.	1.9	12
112	The clinical target volume in lung, head-and-neck, and esophageal cancer: Lessons from pathological measurement and recurrence analysis. <i>Clinical and Translational Radiation Oncology</i> , 2017, 3, 1-8.	1.7	12
113	Prognostic Value of Head and Neck Tumor Proliferative Sphericity From ^{18}F -Deoxy- ^{18}F -Fluorothymidine Positron Emission Tomography. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2018, 2, 33-40.	3.7	12
114	Dose dependent cerebellar atrophy in glioma patients after radio(chemo)therapy. <i>Radiotherapy and Oncology</i> , 2020, 150, 262-267.	0.6	12
115	^{18}F -FDG and ^{18}F -FLT Do Not Discriminate Between Reactive and Metastatic Lymph Nodes in Oral Cancer. <i>Journal of Nuclear Medicine</i> , 2009, 50, 490-491.	5.0	11
116	Melanoma Brain Metastases: Local Therapies, Targeted Therapies, Immune Checkpoint Inhibitors and Their Combinations – Chances and Challenges. <i>American Journal of Clinical Dermatology</i> , 2018, 19, 529-541.	6.7	11
117	Early and late side effects, dosimetric parameters and quality of life after proton beam therapy and IMRT for prostate cancer: a matched-pair analysis. <i>Acta Oncologica</i> , 2019, 58, 916-925.	1.8	11
118	Role of radiotherapy in the management of brain metastases of NSCLC – Decision criteria in clinical routine. <i>Radiotherapy and Oncology</i> , 2021, 154, 269-273.	0.6	11
119	The European Particle Therapy Network (EPTN) consensus on the follow-up of adult patients with brain and skull base tumours treated with photon or proton irradiation. <i>Radiotherapy and Oncology</i> , 2022, 168, 241-249.	0.6	11
120	Weekly kilovoltage cone-beam computed tomography for detection of dose discrepancies during (chemo)radiotherapy for head and neck cancer. <i>Acta Oncologica</i> , 2015, 54, 1483-1489.	1.8	10
121	Esophageal wall dose-surface maps do not improve the predictive performance of a multivariable NTCP model for acute esophageal toxicity in advanced stage NSCLC patients treated with intensity-modulated (chemo-)radiotherapy. <i>Physics in Medicine and Biology</i> , 2017, 62, 3668-3681.	3.0	10
122	Evidence on the efficacy of primary radiosurgery or stereotactic radiotherapy for drug-resistant non-neoplastic focal epilepsy in adults: A systematic review. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2018, 55, 83-92.	2.0	10
123	Successful immunotherapy and irradiation in a HIV-positive patient with metastatic Merkel cell carcinoma. <i>Clinical and Translational Radiation Oncology</i> , 2019, 15, 42-45.	1.7	10
124	Sites of recurrent disease and prognostic factors in SCLC patients treated with radiochemotherapy. <i>Clinical and Translational Radiation Oncology</i> , 2017, 7, 36-42.	1.7	9
125	Correlation between FMISO-PET based hypoxia in the primary tumour and in lymph node metastases in locally advanced HNSCC patients. <i>Clinical and Translational Radiation Oncology</i> , 2019, 15, 108-112.	1.7	9
126	The role of postoperative thoracic radiotherapy and prophylactic cranial irradiation in early stage small cell lung cancer: Patient selection among ESTRO experts. <i>Radiotherapy and Oncology</i> , 2020, 145, 45-48.	0.6	9

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127	Proton therapy special feature: introductory editorial. British Journal of Radiology, 2020, 93, 20209004.	2.2	9
128	Practice recommendations for lung cancer radiotherapy during the COVID-19 pandemic: An ESTRO-ASTRO consensus statement. Radiotherapy and Oncology, 2020, 147, 227-228.	0.6	9
129	Role of Postoperative Radiotherapy in the Management for Resected NSCLC â€œ Decision Criteria in Clinical Routine Pre- and Post-LungART. Clinical Lung Cancer, 2021, 22, 579-586.	2.6	9
130	Impact of pre- and early per-treatment FDG-PET based dose-escalation on local tumour control in fractionated irradiated FaDu xenograft tumours. Radiotherapy and Oncology, 2016, 121, 447-452.	0.6	8
131	Vertebral fractures â€œ An underestimated side-effect in patients treated with radio(chemo)therapy. Radiotherapy and Oncology, 2016, 118, 421-423.	0.6	8
132	FMISO as a Biomarker for Clinical Radiation Oncology. Recent Results in Cancer Research, 2016, 198, 189-201.	1.8	8
133	External validation of an NTCP model for acute esophageal toxicity in locally advanced NSCLC patients treated with intensity-modulated (chemo-)radiotherapy. Radiotherapy and Oncology, 2018, 129, 249-256.	0.6	8
134	Neoadjuvant Radiochemotherapy Significantly Alters the Phenotype of Plasmacytoid Dendritic Cells and 6-Sulfo LacNAc+ Monocytes in Rectal Cancer. Frontiers in Immunology, 2019, 10, 602.	4.8	8
135	Utility of fiducial markers for target positioning in proton radiotherapy of oesophageal carcinoma. Radiotherapy and Oncology, 2019, 133, 28-34.	0.6	8
136	Definition and validation of a radiomics signature for loco-regional tumour control in patients with locally advanced head and neck squamous cell carcinoma. Clinical and Translational Radiation Oncology, 2021, 26, 62-70.	1.7	8
137	Identification of patient benefit from proton beam therapy in brain tumour patients based on dosimetric and NTCP analyses. Radiotherapy and Oncology, 2021, 160, 69-77.	0.6	8
138	Evaluating the use of optimally respiratory gated 18F-FDG-PET in target volume delineation and its influence on radiation doses to the organs at risk in non-small-cell lung cancer patients. Nuclear Medicine Communications, 2016, 37, 66-73.	1.1	8
139	Experimental validation of 4D log fileâ€¢based proton dose reconstruction for interplay assessment considering amplitudeâ€¢sorted 4DCTs. Medical Physics, 2022, 49, 3538-3549.	3.0	8
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