

# Mechthild Krause

## List of Publications by Year in descending order

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Version: 2024-02-01

220  
papers

10,562  
citations

29994

54  
h-index

39575

94  
g-index

241  
all docs

241  
docs citations

241  
times ranked

12536  
citing authors

#	ARTICLE	IF	CITATIONS
1	Toxicity and Efficacy of Local Ablative, Image-guided Radiotherapy in Gallium-68 Prostate-specific Membrane Antigen Targeted Positron Emission Tomographyâ€”staged, Castration-sensitive Oligometastatic Prostate Cancer: The OLI-P Phase 2 Clinical Trial. <i>European Urology Oncology</i> , 2022, 5, 44-51.	2.6	26
2	Reduction of clinical safety margins in proton therapy enabled by the clinical implementation of dual-energy CT for direct stopping-power prediction. <i>Radiotherapy and Oncology</i> , 2022, 166, 71-78.	0.3	44
3	Analyses of molecular subtypes and their association to mechanisms of radioresistance in patients with HPV-negative HNSCC treated by postoperative radiochemotherapy. <i>Radiotherapy and Oncology</i> , 2022, 167, 300-307.	0.3	5
4	Targeting PARP for Chemoradiosensitization: Opportunities, Challenges, and the Road Ahead. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 112, 265-270.	0.4	1
5	European Society for Radiotherapy and Oncology Advisory Committee in Radiation Oncology Practice consensus recommendations on patient selection and dose and fractionation for external beam radiotherapy in early breast cancer. <i>Lancet Oncology</i> , The, 2022, 23, e21-e31.	5.1	117
6	Personalised radiation therapy taking both the tumour and patient into consideration. <i>Radiotherapy and Oncology</i> , 2022, 166, A1-A5.	0.3	7
7	Plasticity within Aldehyde Dehydrogenaseâ€”Positive Cells Determines Prostate Cancer Radiosensitivity. <i>Molecular Cancer Research</i> , 2022, 20, 794-809.	1.5	8
8	Cellular plasticity upon proton irradiation determines tumor cell radiosensitivity. <i>Cell Reports</i> , 2022, 38, 110422.	2.9	10
9	Tumour irradiation in mice with a laser-accelerated proton beam. <i>Nature Physics</i> , 2022, 18, 316-322.	6.5	62
10	Validation of CD98hc as a Therapeutic Target for a Combination of Radiation and Immunotherapies in Head and Neck Squamous Cell Carcinoma. <i>Cancers</i> , 2022, 14, 1677.	1.7	7
11	Biomarker signatures for primary radiochemotherapy of locally advanced HNSCC â€” Hypothesis generation on a multicentre cohort of the DKTK-ROG. <i>Radiotherapy and Oncology</i> , 2022, 169, 8-14.	0.3	5
12	Radiomics-based tumor phenotype determination based on medical imaging and tumor microenvironment in a preclinical setting. <i>Radiotherapy and Oncology</i> , 2022, 169, 96-104.	0.3	11
13	Subjective memory impairment in glioma patients with curative radiotherapy. <i>Radiotherapy and Oncology</i> , 2022, , .	0.3	0
14	Development and validation of a 6-gene signature for the prognosis of loco-regional control in patients with HPV-negative locally advanced HNSCC treated by postoperative radio(chemo)therapy. <i>Radiotherapy and Oncology</i> , 2022, 171, 91-100.	0.3	4
15	Importance of long-term follow up to address long-term effectiveness and toxicity of radiotherapy. <i>Radiotherapy and Oncology</i> , 2022, 170, 1-3.	0.3	1
16	Local Control after Locally Ablative, Image-Guided Radiotherapy of Oligometastases Identified by Gallium-68-PSMA-Positron Emission Tomography in Castration-Sensitive Prostate Cancer Patients (OLI-P). <i>Cancers</i> , 2022, 14, 2073.	1.7	7
17	Assessment of gene expressions from squamous cell carcinoma of the head and neck to predict radiochemotherapy-related xerostomia and dysphagia. <i>Acta OncolÃ³gica</i> , 2022, 61, 856-863.	0.8	4
18	A Novel 2-Metagene Signature to Identify High-Risk HNSCC Patients amongst Those Who Are Clinically at Intermediate Risk and Are Treated with PORT. <i>Cancers</i> , 2022, 14, 3031.	1.7	2

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19	ERCC2 gene single-nucleotide polymorphism as a prognostic factor for locally advanced head and neck carcinomas after definitive cisplatin-based radiochemotherapy. <i>Pharmacogenomics Journal</i> , 2021, 21, 37-46.	0.9	6
20	Results of a randomized controlled phase III trial: efficacy of polyphenol-containing cystus® tea mouthwash solution for the reduction of mucositis in head and neck cancer patients undergoing external beam radiotherapy. <i>Strahlentherapie Und Onkologie</i> , 2021, 197, 63-73.	1.0	10
21	Radiotherapy enhances uptake and efficacy of 90Y-cetuximab: A preclinical trial. <i>Radiotherapy and Oncology</i> , 2021, 155, 285-292.	0.3	12
22	Definition and validation of a radiomics signature for loco-regional tumour control in patients with locally advanced head and neck squamous cell carcinoma. <i>Clinical and Translational Radiation Oncology</i> , 2021, 26, 62-70.	0.9	8
23	Generation of biological hypotheses by functional imaging links tumor hypoxia to radiation induced tissue inflammation/glucose uptake in head and neck cancer. <i>Radiotherapy and Oncology</i> , 2021, 155, 204-211.	0.3	5
24	The Pluripotency Transcription Factor Oct4 Contributes to Head and Neck Squamous Cell Carcinoma Radioresistance via Regulation of DNA Repair and the Stem Cell Phenotype. <i>Medical Sciences Forum</i> , 2021, 3, .	0.5	0
25	GLS-driven glutamine catabolism contributes to prostate cancer radiosensitivity by regulating the redox state, stemness and ATG5-mediated autophagy. <i>Theranostics</i> , 2021, 11, 7844-7868.	4.6	70
26	Radiation oncology in the new virtual and digital era. <i>Radiotherapy and Oncology</i> , 2021, 154, A1-A4.	0.3	8
27	Modelling of late side-effects following cranial proton beam therapy. <i>Radiotherapy and Oncology</i> , 2021, 157, 15-23.	0.3	6
28	Tyrosine Kinase c-MET as Therapeutic Target for Radiosensitization of Head and Neck Squamous Cell Carcinomas. <i>Cancers</i> , 2021, 13, 1865.	1.7	9
29	Sample-size calculation for preclinical dose-response experiments using heterogeneous tumour models. <i>Radiotherapy and Oncology</i> , 2021, 158, 262-267.	0.3	4
30	Value of functional in-vivo endpoints in preclinical radiation research. <i>Radiotherapy and Oncology</i> , 2021, 158, 155-161.	0.3	3
31	Efficient Heat Shock Response Affects Hyperthermia-Induced Radiosensitization in a Tumor Spheroid Control Probability Assay. <i>Cancers</i> , 2021, 13, 3168.	1.7	3
32	Oct4 confers stemness and radioresistance to head and neck squamous cell carcinoma by regulating the homologous recombination factors PSMC3IP and RAD54L. <i>Oncogene</i> , 2021, 40, 4214-4228.	2.6	27
33	Comparison of the composition of lymphocyte subpopulations in non-relapse and relapse patients with squamous cell carcinoma of the head and neck before, during radiochemotherapy and in the follow-up period: a multicenter prospective study of the German Cancer Consortium Radiation Oncology Group (DKTK-ROG). <i>Radiation Oncology</i> , 2021, 16, 141.	1.2	9
34	Identification of patient benefit from proton beam therapy in brain tumour patients based on dosimetric and NTCP analyses. <i>Radiotherapy and Oncology</i> , 2021, 160, 69-77.	0.3	8
35	Screening and Validation of Molecular Targeted Radiosensitizers. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 111, e63-e74.	0.4	10
36	In reply to the Letter to the Editor by Chen and Lui regarding "Radiotherapy enhances uptake and efficacy of 90Y-cetuximab: A preclinical trial" by A Dietrich et al.. <i>Radiotherapy and Oncology</i> , 2021, 161, 261-262.	0.3	0

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37	Reduced diffusion in white matter after radiotherapy with photons and protons. <i>Radiotherapy and Oncology</i> , 2021, 164, 66-72.	0.3	3
38	Does the uncertainty in relative biological effectiveness affect patient treatment in proton therapy?. <i>Radiotherapy and Oncology</i> , 2021, 163, 177-184.	0.3	38
39	Final Results of the Prospective Biomarker Trial PETra: [11C]-MET-Accumulation in Postoperative PET/MRI Predicts Outcome after Radiochemotherapy in Glioblastoma. <i>Clinical Cancer Research</i> , 2021, 27, 1351-1360.	3.2	15
40	Molecular Response to Combined Molecular- and External Radiotherapy in Head and Neck Squamous Cell Carcinoma (HNSCC). <i>Cancers</i> , 2021, 13, 5595.	1.7	4
41	Influence of the First Wave of the COVID-19 Pandemic on Cancer Care in a German Comprehensive Cancer Center. <i>Frontiers in Public Health</i> , 2021, 9, 750479.	1.3	9
42	Radioresistance of KRAS/TP53-mutated lung cancer can be overcome by radiation dose escalation or EGFR tyrosine kinase inhibition in vivo. <i>International Journal of Cancer</i> , 2020, 147, 472-477.	2.3	36
43	Dose-volume predictors of early esophageal toxicity in non-small cell lung cancer patients treated with accelerated-hyperfractionated radiotherapy. <i>Radiotherapy and Oncology</i> , 2020, 143, 44-50.	0.3	5
44	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.	1.6	34
45	Dose dependent cerebellar atrophy in glioma patients after radio(chemo)therapy. <i>Radiotherapy and Oncology</i> , 2020, 150, 262-267.	0.3	12
46	A new prognostic hypoxia biomarker consisting of imaging and gene-based data. <i>EBioMedicine</i> , 2020, 58, 102901.	2.7	0
47	Comprehensive Analysis of Tumour Sub-Volumes for Radiomic Risk Modelling in Locally Advanced HNSCC. <i>Cancers</i> , 2020, 12, 3047.	1.7	19
48	Hypofractionated Versus Standard Fractionated Radiotherapy in Patients With Early Breast Cancer or Ductal Carcinoma In Situ in a Randomized Phase III Trial: The DBCG HYPO Trial. <i>Journal of Clinical Oncology</i> , 2020, 38, 3615-3625.	0.8	155
49	Radiotherapy and COVID-19 "everything under control or just the start of a long story?". <i>Strahlentherapie Und Onkologie</i> , 2020, 196, 1065-1067.	1.0	2
50	UniCAR T cell immunotherapy enables efficient elimination of radioresistant cancer cells. <i>Oncolimmunology</i> , 2020, 9, 1743036.	2.1	25
51	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.	0.3	41
52	Applying Tissue Slice Culture in Cancer Research "Insights from Preclinical Proton Radiotherapy. <i>Cancers</i> , 2020, 12, 1589.	1.7	15
53	Specific requirements for translation of biological research into clinical radiation oncology. <i>Molecular Oncology</i> , 2020, 14, 1569-1576.	2.1	6
54	Neurocognitive function and quality of life after proton beam therapy for brain tumour patients. <i>Radiotherapy and Oncology</i> , 2020, 143, 108-116.	0.3	24

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55	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.	1.6	15
56	Multi-modality bedding platform for combined imaging and irradiation of mice. <i>Biomedical Physics and Engineering Express</i> , 2020, 6, 037003.	0.6	7
57	Combined tumor plus nontumor interim FDG-PET parameters are prognostic for response to chemoradiation in squamous cell esophageal cancer. <i>International Journal of Cancer</i> , 2020, 147, 1427-1436.	2.3	6
58	Comparison of GeneChip, nCounter, and Real-Time PCR-Based Gene Expressions Predicting Locoregional Tumor Control after Primary and Postoperative Radiochemotherapy in Head and Neck Squamous Cell Carcinoma. <i>Journal of Molecular Diagnostics</i> , 2020, 22, 801-810.	1.2	10
59	High-precision image-guided proton irradiation of mouse brain sub-volumes. <i>Radiotherapy and Oncology</i> , 2020, 146, 205-212.	0.3	16
60	Establishment and Characterisation of Heterotopic Patient-Derived Xenografts for Glioblastoma. <i>Cancers</i> , 2020, 12, 871.	1.7	9
61	Late Side Effects in Normal Mouse Brain Tissue After Proton Irradiation. <i>Frontiers in Oncology</i> , 2020, 10, 598360.	1.3	16
62	Metastatic Spread in Prostate Cancer Patients Influencing Radiotherapy Response. <i>Frontiers in Oncology</i> , 2020, 10, 627379.	1.3	24
63	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.	0.3	27
64	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.	0.3	44
65	Comparable radiation response of ex vivo and in vivo irradiated tumor samples determined by residual $\gamma$ H2AX. <i>Radiotherapy and Oncology</i> , 2019, 139, 94-100.	0.3	11
66	The CD98 Heavy Chain Is a Marker and Regulator of Head and Neck Squamous Cell Carcinoma Radiosensitivity. <i>Clinical Cancer Research</i> , 2019, 25, 3152-3163.	3.2	53
67	Assembling the brain trust: the multidisciplinary imperative in neuro-oncology. <i>Nature Reviews Clinical Oncology</i> , 2019, 16, 521-522.	12.5	3
68	Residual $\gamma$ H2AX foci in head and neck squamous cell carcinomas as predictors for tumour radiosensitivity: Evaluation in pre-clinical xenograft models and clinical specimens. <i>Radiotherapy and Oncology</i> , 2019, 137, 24-31.	0.3	10
69	Independent validation of tumour volume, cancer stem cell markers and hypoxia-associated gene expressions for HNSCC after primary radiochemotherapy. <i>Clinical and Translational Radiation Oncology</i> , 2019, 16, 40-47.	0.9	32
70	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.	0.8	11
71	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.	0.3	25
72	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.	0.9	9

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73	Neoadjuvant Radiochemotherapy Significantly Alters the Phenotype of Plasmacytoid Dendritic Cells and 6-Sulfo LacNAc+ Monocytes in Rectal Cancer. <i>Frontiers in Immunology</i> , 2019, 10, 602.	2.2	8
74	A Five-MicroRNA Signature Predicts Survival and Disease Control of Patients with Head and Neck Cancer Negative for HPV Infection. <i>Clinical Cancer Research</i> , 2019, 25, 1505-1516.	3.2	67
75	Pre-clinical imaging for establishment and comparison of orthotopic non-small cell lung carcinoma: in search for models reflecting clinical scenarios. <i>British Journal of Radiology</i> , 2019, 92, 20180539.	1.0	12
76	Can Local Ablative Radiotherapy Revert Castration-resistant Prostate Cancer to an Earlier Stage of Disease?. <i>European Urology</i> , 2019, 75, 548-551.	0.9	36
77	German Cancer Consortium ( DTKK ) â€œ A national consortium for translational cancer research. <i>Molecular Oncology</i> , 2019, 13, 535-542.	2.1	22
78	Dose-guided patient positioning in proton radiotherapy using multicriteria-optimization. <i>Zeitschrift Fur Medizinische Physik</i> , 2019, 29, 216-228.	0.6	19
79	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.	0.3	14
80	Human gastric cancer modelling using organoids. <i>Gut</i> , 2019, 68, 207-217.	6.1	204
81	Predicting In Vitro Cancer Cell Survival Based on Measurable Cell Characteristics. <i>Radiation Research</i> , 2019, 191, 532.	0.7	6
82	Combining precision radiotherapy with molecular targeting and immunomodulatory agents: a guideline by the American Society for Radiation Oncology. <i>Lancet Oncology</i> , The, 2018, 19, e240-e251.	5.1	108
83	Re-irradiation of recurrent gliomas: pooled analysis and validation of an established prognostic scoreâ€”report of the Radiation Oncology Group (<scp>ROG</scp>) of the German Cancer Consortium (<scp>DKTK</scp>). <i>Cancer Medicine</i> , 2018, 7, 1742-1749.	1.3	34
84	Photon vs. proton radiochemotherapy: Effects on brain tissue volume and perfusion. <i>Radiotherapy and Oncology</i> , 2018, 128, 121-127.	0.3	48
85	Relative biological effectiveness in proton beam therapy â€œ Current knowledge and future challenges. <i>Clinical and Translational Radiation Oncology</i> , 2018, 9, 35-41.	0.9	96
86	Independent validation of a new reirradiation risk score (RRRS) for glioma patients predicting post-recurrence survival: A multicenter DTKK/ROG analysis. <i>Radiotherapy and Oncology</i> , 2018, 127, 121-127.	0.3	37
87	Neoadjuvant radiochemotherapy decreases the total amount of tumor infiltrating lymphocytes, but increases the number of CD8+Granzyme B+ (GrzB) cytotoxic T-cells in rectal cancer. <i>Oncolmmunology</i> , 2018, 7, e1393133.	2.1	17
88	Long-term quality of life in inoperable non-small cell lung cancer patients treated with conventionally fractionated compared to hyperfractionated accelerated radiotherapy â€œ Results of the randomized CHARTWEL trial. <i>Radiotherapy and Oncology</i> , 2018, 126, 283-290.	0.3	7
89	Comparison of detection methods for HPV status as a prognostic marker for loco-regional control after radiochemotherapy in patients with HNSCC. <i>Radiotherapy and Oncology</i> , 2018, 127, 27-35.	0.3	17
90	Development and Validation of a Gene Signature for Patients with Head and Neck Carcinomas Treated by Postoperative Radio(chemo)therapy. <i>Clinical Cancer Research</i> , 2018, 24, 1364-1374.	3.2	45

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91	Long-term efficacy of reduced-intensity versus myeloablative conditioning before allogeneic haemopoietic cell transplantation in patients with acute myeloid leukaemia in first complete remission: retrospective follow-up of an open-label, randomised phase 3 trial. <i>Lancet Haematology</i> , 2018, 5, e161-e169.	2.2	67
92	SDF-1/CXCR4 expression is an independent negative prognostic biomarker in patients with head and neck cancer after primary radiochemotherapy. <i>Radiotherapy and Oncology</i> , 2018, 126, 125-131.	0.3	24
93	Heat shock protein 70 and tumor-infiltrating NK cells as prognostic indicators for patients with squamous cell carcinoma of the head and neck after radiochemotherapy: A multicentre retrospective study of the German Cancer Consortium Radiation Oncology Group (DKTK-ROG). <i>International Journal of Cancer</i> , 2018, 142, 1911-1925.	2.3	50
94	Retrospective investigation of the prognostic value of the $\alpha$ 21 integrin expression in patients with head and neck squamous cell carcinoma receiving primary radio(chemo)therapy. <i>PLoS ONE</i> , 2018, 13, e0209479.	1.1	5
95	Heterogeneity of $\gamma$ H2AX Foci Increases in Ex Vivo Biopsies Relative to In Vivo Tumors. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2616.	1.8	5
96	“Radiobiology of Proton Therapy” Results of an international expert workshop. <i>Radiotherapy and Oncology</i> , 2018, 128, 56-67.	0.3	85
97	Research Facility for Radiobiological Studies at the University Proton Therapy Dresden. <i>International Journal of Particle Therapy</i> , 2018, 5, 172-182.	0.9	26
98	Cancer stem cells: Radioresistance, prediction of radiotherapy outcome and specific targets for combined treatments. <i>Advanced Drug Delivery Reviews</i> , 2017, 109, 63-73.	6.6	247
99	FDG uptake in normal tissues assessed by PET during treatment has prognostic value for treatment results in head and neck squamous cell carcinomas undergoing radiochemotherapy. <i>Radiotherapy and Oncology</i> , 2017, 122, 437-444.	0.3	10
100	Radiation Resistance in KRAS-Mutated Lung Cancer Is Enabled by Stem-like Properties Mediated by an Osteopontin-EGFR Pathway. <i>Cancer Research</i> , 2017, 77, 2018-2028.	0.4	80
101	The PD-1/PD-L1 axis and human papilloma virus in patients with head and neck cancer after adjuvant chemoradiotherapy: A multicentre study of the German Cancer Consortium Radiation Oncology Group (DKTK-ROG). <i>International Journal of Cancer</i> , 2017, 141, 594-603.	2.3	91
102	Characterization of a switchable chimeric antigen receptor platform in a pre-clinical solid tumor model. <i>Oncotarget</i> , 2017, 6, e1342909.	2.1	22
103	Increased FDG uptake on late-treatment PET in non-tumour-affected oesophagus is prognostic for pathological complete response and disease recurrence in patients undergoing neoadjuvant radiochemotherapy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 1813-1822.	3.3	12
104	The HIV protease and PI3K/Akt inhibitor nelfinavir does not improve the curative effect of fractionated irradiation in PC-3 prostate cancer in vitro and in vivo. <i>Clinical and Translational Radiation Oncology</i> , 2017, 2, 7-12.	0.9	8
105	Quality assessment of delineation and dose planning of early breast cancer patients included in the randomized Skagen Trial 1. <i>Radiotherapy and Oncology</i> , 2017, 123, 282-287.	0.3	12
106	Clinical Implementation of Dual-energy CT for Proton Treatment Planning on Pseudo-monoenergetic CT scans. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 97, 427-434.	0.4	98
107	A comparative study of machine learning methods for time-to-event survival data for radiomics risk modelling. <i>Scientific Reports</i> , 2017, 7, 13206.	1.6	163
108	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.	0.3	123

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109	Proton radiography for inline treatment planning and positioning verification of small animals. <i>Acta Oncologica</i> , 2017, 56, 1399-1405.	0.8	11
110	Therapeutic options to overcome tumor hypoxia in radiation oncology. <i>Clinical and Translational Imaging</i> , 2017, 5, 455-464.	1.1	6
111	Modeling <i>in vivo</i> relative biological effectiveness in particle therapy for clinically relevant endpoints. <i>Acta Oncologica</i> , 2017, 56, 1392-1398.	0.8	18
112	Tumor heterogeneity determined with a $\gamma$ H2AX foci assay: A study in human head and neck squamous cell carcinoma (hHNSCC) models. <i>Radiotherapy and Oncology</i> , 2017, 124, 379-385.	0.3	11
113	SDF-1/CXCR4 expression in head and neck cancer and outcome after postoperative radiochemotherapy. <i>Clinical and Translational Radiation Oncology</i> , 2017, 5, 28-36.	0.9	16
114	Profile of European proton and carbon ion therapy centers assessed by the EORTC facility questionnaire. <i>Radiotherapy and Oncology</i> , 2017, 124, 185-189.	0.3	33
115	EGFR-amplification plus gene expression profiling predicts response to combined radiotherapy with EGFR-inhibition: A preclinical trial in 10 HNSCC-tumour-xenograft models. <i>Radiotherapy and Oncology</i> , 2017, 124, 496-503.	0.3	21
116	Development of a genetic sensor that eliminates p53 deficient cells. <i>Nature Communications</i> , 2017, 8, 1463.	5.8	15
117	Modeling tumor control probability for spatially inhomogeneous risk of failure based on clinical outcome data. <i>Zeitschrift Fur Medizinische Physik</i> , 2017, 27, 285-299.	0.6	5
118	Session 39: Modelling and simulation III. <i>Biomedizinische Technik</i> , 2017, 62, .	0.9	0
119	An optimized small animal tumour model for experimentation with low energy protons. <i>PLoS ONE</i> , 2017, 12, e0177428.	1.1	9
120	Intratumoral heterogeneity and <i>TERT</i> promoter mutations in progressive/higher-grade meningiomas. <i>Oncotarget</i> , 2017, 8, 109228-109237.	0.8	89
121	Precise image-guided irradiation of small animals: a flexible non-profit platform. <i>Physics in Medicine and Biology</i> , 2016, 61, 3084-3108.	1.6	39
122	HPV status, cancer stem cell marker expression, hypoxia gene signatures and tumour volume identify good prognosis subgroups in patients with HNSCC after primary radiochemotherapy: A multicentre retrospective study of the German Cancer Consortium Radiation Oncology Group (DKTK-ROG). <i>Radiotherapy and Oncology</i> , 2016, 121, 364-373.	0.3	130
123	Independent validation of the prognostic value of cancer stem cell marker expression and hypoxia-induced gene expression for patients with locally advanced HNSCC after postoperative radiotherapy. <i>Clinical and Translational Radiation Oncology</i> , 2016, 1, 19-26.	0.9	22
124	Impact of pre- and early per-treatment FDG-PET based dose-escalation on local tumour control in fractionated irradiated FaDu xenograft tumours. <i>Radiotherapy and Oncology</i> , 2016, 121, 447-452.	0.3	8
125	Internal and external validation of an ESTRO delineation guideline – dependent automated segmentation tool for loco-regional radiation therapy of early breast cancer. <i>Radiotherapy and Oncology</i> , 2016, 121, 424-430.	0.3	40
126	The Role of Cancer Stem Cells in Tumour Radioresponse. , 2016, , 43-74.		0



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127	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.	0.7	20
128	Personalized Radiation Oncology: Epidermal Growth Factor Receptor and Other Receptor Tyrosine Kinase Inhibitors. <i>Recent Results in Cancer Research</i> , 2016, 198, 107-122.	1.8	12
129	ESTRO consensus guideline on target volume delineation for elective radiation therapy of early stage breast cancer, version 1.1. <i>Radiotherapy and Oncology</i> , 2016, 118, 205-208.	0.3	162
130	Low Cancer Stem Cell Marker Expression and Low Hypoxia Identify Good Prognosis Subgroups in HPV(+) HNSCC after Postoperative Radiochemotherapy: A Multicenter Study of the DTK-ROG. <i>Clinical Cancer Research</i> , 2016, 22, 2639-2649.	3.2	127
131	Toward Distributed Conduction of Large-Scale Studies in Radiation Therapy and Oncology: Open-Source System Integration Approach. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2016, 20, 1397-1403.	3.9	12
132	Radiation oncology in the era of precision medicine. <i>Nature Reviews Cancer</i> , 2016, 16, 234-249.	12.8	636
133	An Epigenetic Reprogramming Strategy to Resensitize Radioresistant Prostate Cancer Cells. <i>Cancer Research</i> , 2016, 76, 2637-2651.	0.4	62
134	CD8+ tumour-infiltrating lymphocytes in relation to HPV status and clinical outcome in patients with head and neck cancer after postoperative chemoradiotherapy: A multicentre study of the German cancer consortium radiation oncology group (DKTK-ROG). <i>International Journal of Cancer</i> , 2016, 138, 171-181.	2.3	184
135	Comparative analysis of transcriptomics based hypoxia signatures in head- and neck squamous cell carcinoma. <i>Radiotherapy and Oncology</i> , 2016, 118, 350-358.	0.3	62
136	Early and late effects of radiochemotherapy on cerebral blood flow in glioblastoma patients measured with non-invasive perfusion MRI. <i>Radiotherapy and Oncology</i> , 2016, 118, 24-28.	0.3	32
137	Clinical trials for personalized glioblastoma radiotherapy: Markers for efficacy and late toxicity but often delayed treatment " Does that matter?. <i>Radiotherapy and Oncology</i> , 2016, 118, 211-213.	0.3	3
138	Impact of waiting time after surgery and overall time of postoperative radiochemotherapy on treatment outcome in glioblastoma multiforme. <i>Radiation Oncology</i> , 2015, 10, 172.	1.2	36
139	Increase in Tumor Control and Normal Tissue Complication Probabilities in Advanced Head-and-Neck Cancer for Dose-Escalated Intensity-Modulated Photon and Proton Therapy. <i>Frontiers in Oncology</i> , 2015, 5, 256.	1.3	18
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