

# Michael Baumann

## List of Publications by Citations

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313  
papers

12,016  
citations

59  
h-index

94  
g-index

371  
ext. papers

14,295  
ext. citations

4.2  
avg, IF

6.22  
L-index

#	Paper	IF	Citations
313	Exploring the role of cancer stem cells in radioresistance. <i>Nature Reviews Cancer</i> , <b>2008</b> , 8, 545-54	31.3	628
312	Expanding global access to radiotherapy. <i>Lancet Oncology</i> , <b>2015</b> , 16, 1153-86	21.7	457
311	Radiation oncology in the era of precision medicine. <i>Nature Reviews Cancer</i> , <b>2016</b> , 16, 234-49	31.3	438
310	Exploratory prospective trial of hypoxia-specific PET imaging during radiochemotherapy in patients with locally advanced head-and-neck cancer. <i>Radiotherapy and Oncology</i> , <b>2012</b> , 105, 21-8	5.3	229
309	Hyperfractionated accelerated chemoradiation with concurrent fluorouracil-mitomycin is more effective than dose-escalated hyperfractionated accelerated radiation therapy alone in locally advanced head and neck cancer: final results of the radiotherapy cooperative clinical trials group of the German Cancer Society 95-06 Prospective Randomized Trial. <i>Journal of Clinical Oncology</i> , <b>2005</b> , 23, 4175-35	2.2	221
308	Caring for patients with cancer in the COVID-19 era. <i>Nature Medicine</i> , <b>2020</b> , 26, 665-671	50.5	201
307	Hyperfractionated or accelerated radiotherapy in lung cancer: an individual patient data meta-analysis. <i>Journal of Clinical Oncology</i> , <b>2012</b> , 30, 2788-97	2.2	185
306	Cancer stem cells: Radioresistance, prediction of radiotherapy outcome and specific targets for combined treatments. <i>Advanced Drug Delivery Reviews</i> , <b>2017</b> , 109, 63-73	18.5	179
305	Blockage of epidermal growth factor receptor-phosphatidylinositol 3-kinase-AKT signaling increases radiosensitivity of K-RAS mutated human tumor cells in vitro by affecting DNA repair. <i>Clinical Cancer Research</i> , <b>2006</b> , 12, 4119-26	12.9	177
304	Integrin/FAK/cortactin signaling is essential for human head and neck cancer resistance to radiotherapy. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 1529-40	15.9	164
303	Aldehyde Dehydrogenase Is Regulated by $\beta$ -Catenin/TCF and Promotes Radioresistance in Prostate Cancer Progenitor Cells. <i>Cancer Research</i> , <b>2015</b> , 75, 1482-94	10.1	157
302	EGFR-targeted anti-cancer drugs in radiotherapy: preclinical evaluation of mechanisms. <i>Radiotherapy and Oncology</i> , <b>2007</b> , 83, 238-48	5.3	157
301	Glycolytic metabolism and tumour response to fractionated irradiation. <i>Radiotherapy and Oncology</i> , <b>2010</b> , 94, 102-9	5.3	155
300	First clinical application of a prompt gamma based in vivo proton range verification system. <i>Radiotherapy and Oncology</i> , <b>2016</b> , 118, 232-7	5.3	146
299	Targeting the epidermal growth factor receptor in radiotherapy: radiobiological mechanisms, preclinical and clinical results. <i>Radiotherapy and Oncology</i> , <b>2004</b> , 72, 257-66	5.3	138
298	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> , <b>2016</b> , 138, 171-81	7.5	137
297	Discovery of the cancer stem cell related determinants of radioresistance. <i>Radiotherapy and Oncology</i> , <b>2013</b> , 108, 378-87	5.3	135

296	Tumor lactate content predicts for response to fractionated irradiation of human squamous cell carcinomas in nude mice. <i>Radiotherapy and Oncology</i> , <b>2006</b> , 81, 130-5	5.3	135
295	Pre-treatment number of clonogenic cells and their radiosensitivity are major determinants of local tumour control after fractionated irradiation. <i>Radiotherapy and Oncology</i> , <b>2007</b> , 83, 304-10	5.3	126
294	Radioresistance of K-Ras mutated human tumor cells is mediated through EGFR-dependent activation of PI3K-AKT pathway. <i>Radiotherapy and Oncology</i> , <b>2005</b> , 76, 143-50	5.3	123
293	A comparative study of machine learning methods for time-to-event survival data for radiomics risk modelling. <i>Scientific Reports</i> , <b>2017</b> , 7, 13206	4.9	119
292	HPV16 DNA status is a strong prognosticator of loco-regional control after postoperative radiochemotherapy of locally advanced oropharyngeal carcinoma: results from a multicentre explorative study of the German Cancer Consortium Radiation Oncology Group (DKTK-ROG). <i>Radiotherapy and Oncology</i> , <b>2014</b> , 113, 317-23	5.3	100
291	Hyperbaric oxygen therapy in the treatment of radio-induced lesions in normal tissues: a literature review. <i>Radiotherapy and Oncology</i> , <b>2004</b> , 72, 1-13	5.3	100
290	Early FDG PET at 10 or 20 Gy under chemoradiotherapy is prognostic for locoregional control and overall survival in patients with head and neck cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2011</b> , 38, 1203-11	8.8	99
289	EGF receptor inhibition radiosensitizes NSCLC cells by inducing senescence in cells sustaining DNA double-strand breaks. <i>Cancer Research</i> , <b>2011</b> , 71, 6261-9	10.1	95
288	Pimonidazole labelling and response to fractionated irradiation of five human squamous cell carcinoma (hSCC) lines in nude mice: the need for a multivariate approach in biomarker studies. <i>Radiotherapy and Oncology</i> , <b>2006</b> , 81, 122-9	5.3	91
287	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> , <b>2017</b> , 124, 533-540	5.3	90
286	Repopulation of FaDu human squamous cell carcinoma during fractionated radiotherapy correlates with reoxygenation. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2001</b> , 51, 483-93	4	89
285	Low Cancer Stem Cell Marker Expression and Low Hypoxia Identify Good Prognosis Subgroups in HPV(-) HNSCC after Postoperative Radiochemotherapy: A Multicenter Study of the DKTK-ROG. <i>Clinical Cancer Research</i> , <b>2016</b> , 22, 2639-49	12.9	88
284	Response of Human Squamous Cell Carcinoma Xenografts of Different Sizes to Irradiation: Relationship of Clonogenic Cells, Cellular Radiation Sensitivity in Vivo, and Tumor Rescuing Units. <i>Radiation Research</i> , <b>1990</b> , 123, 325	3.1	88
283	Cancer stem cells at the crossroads of current cancer therapy failures--radiation oncology perspective. <i>Seminars in Cancer Biology</i> , <b>2010</b> , 20, 116-24	12.7	84
282	Stimulated PI3K-AKT signaling mediated through ligand or radiation-induced EGFR depends indirectly, but not directly, on constitutive K-Ras activity. <i>Molecular Cancer Research</i> , <b>2007</b> , 5, 863-72	6.6	82
281	Decreased repopulation as well as increased reoxygenation contribute to the improvement in local control after targeting of the EGFR by C225 during fractionated irradiation. <i>Radiotherapy and Oncology</i> , <b>2005</b> , 76, 162-7	5.3	81
280	Predictive factors in radiotherapy for non-small cell lung cancer: present status. <i>Lung Cancer</i> , <b>2001</b> , 31, 43-56	5.9	81
279	PINCH1 regulates Akt1 activation and enhances radioresistance by inhibiting PP1alpha. <i>Journal of Clinical Investigation</i> , <b>2010</b> , 120, 2516-27	15.9	80

278	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> , <b>2016</b> , 121, 364-373	5.3	80
277	Cancer stem cells: targets and potential biomarkers for radiotherapy. <i>Clinical Cancer Research</i> , <b>2011</b> , 17, 7224-9	12.9	79
276	Radiosensitization of Ras-mutated human tumor cells in vitro by the specific EGF receptor antagonist BIBX1382BS. <i>Radiotherapy and Oncology</i> , <b>2005</b> , 74, 117-29	5.3	77
275	Cancer stem cells as a predictive factor in radiotherapy. <i>Seminars in Radiation Oncology</i> , <b>2012</b> , 22, 151-74	5.5	74
274	Clinical perspectives of cancer stem cell research in radiation oncology. <i>Radiotherapy and Oncology</i> , <b>2013</b> , 108, 388-96	5.3	74
273	Identification of Patient Benefit From Proton Therapy for Advanced Head and Neck Cancer Patients Based on Individual and Subgroup Normal Tissue Complication Probability Analysis. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2015</b> , 92, 1165-1174	4	74
272	Towards genetic prediction of radiation responses: ESTRO's GENEPI project. <i>Radiotherapy and Oncology</i> , <b>2003</b> , 69, 121-5	5.3	71
271	Radiobiological hypoxia, histological parameters of tumour microenvironment and local tumour control after fractionated irradiation. <i>Radiotherapy and Oncology</i> , <b>2010</b> , 96, 116-22	5.3	70
270	Cancer stem cell related markers of radioresistance in head and neck squamous cell carcinoma. <i>Oncotarget</i> , <b>2015</b> , 6, 34494-509	3.3	70
269	Age-related changes in the frequency of mesenchymal stem cells in the bone marrow of rats. <i>Stem Cells and Development</i> , <b>2007</b> , 16, 439-46	4.4	69
268	Clinical Implementation of Dual-energy CT for Proton Treatment Planning on Pseudo-monoenergetic CT scans. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2017</b> , 97, 427-434	4	68
267	CD44: a cancer stem cell-related biomarker with predictive potential for radiotherapy. <i>Clinical Cancer Research</i> , <b>2010</b> , 16, 5091-3	12.9	68
266	Combining precision radiotherapy with molecular targeting and immunomodulatory agents: a guideline by the American Society for Radiation Oncology. <i>Lancet Oncology</i> , <b>2018</b> , 19, e240-e251	21.7	66
265	Diverse effects of combined radiotherapy and EGFR inhibition with antibodies or TK inhibitors on local tumour control and correlation with EGFR gene expression. <i>Radiotherapy and Oncology</i> , <b>2011</b> , 99, 323-30	5.3	66
264	Cancer stem cells and radiotherapy. <i>International Journal of Radiation Biology</i> , <b>2009</b> , 85, 391-402	2.9	65
263	Prediction of clonogenic cell survival curves based on the number of residual DNA double strand breaks measured by gammaH2AX staining. <i>International Journal of Radiation Biology</i> , <b>2009</b> , 85, 1032-41	2.9	64
262	Additional PET/CT in week 5-6 of radiotherapy for patients with stage III non-small cell lung cancer as a means of dose escalation planning?. <i>Radiotherapy and Oncology</i> , <b>2008</b> , 88, 335-41	5.3	64
261	Preclinical evaluation of molecular-targeted anticancer agents for radiotherapy. <i>Radiotherapy and Oncology</i> , <b>2006</b> , 80, 112-22	5.3	64

260	"Radiobiology of Proton Therapy": Results of an international expert workshop. <i>Radiotherapy and Oncology</i> , <b>2018</b> , 128, 56-67	5.3	64
259	Creating a data exchange strategy for radiotherapy research: towards federated databases and anonymised public datasets. <i>Radiotherapy and Oncology</i> , <b>2014</b> , 113, 303-9	5.3	62
258	Combination of EGFR/HER2 tyrosine kinase inhibition by BIBW 2992 and BIBW 2669 with irradiation in FaDu human squamous cell carcinoma. <i>Strahlentherapie Und Onkologie</i> , <b>2007</b> , 183, 256-64	4.3	62
257	Aberrant overexpression of miR-421 downregulates ATM and leads to a pronounced DSB repair defect and clinical hypersensitivity in SKX squamous cell carcinoma. <i>Radiotherapy and Oncology</i> , <b>2013</b> , 106, 147-54	5.3	60
256	In vivo radiation sensitivity of glioblastoma multiforme. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1995</b> , 32, 99-104	4	60
255	Radiation Resistance in KRAS-Mutated Lung Cancer Is Enabled by Stem-like Properties Mediated by an Osteopontin-EGFR Pathway. <i>Cancer Research</i> , <b>2017</b> , 77, 2018-2028	10.1	59
254	Radiotheranostics: a roadmap for future development. <i>Lancet Oncology, The</i> , <b>2020</b> , 21, e146-e156	21.7	59
253	Splicing mutations in TP53 in human squamous cell carcinoma lines influence immunohistochemical detection. <i>Journal of Histochemistry and Cytochemistry</i> , <b>2002</b> , 50, 197-204	3.4	58
252	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> , <b>2017</b> , 141, 594-603	7.5	57
251	Individualization of cancer treatment from radiotherapy perspective. <i>Molecular Oncology</i> , <b>2012</b> , 6, 211-219	7.9	54
250	Impact of overall treatment time of fractionated irradiation on local control of human FaDu squamous cell carcinoma in nude mice. <i>Radiotherapy and Oncology</i> , <b>1994</b> , 32, 137-43	5.3	54
249	Exploratory study of the prognostic value of microenvironmental parameters during fractionated irradiation in human squamous cell carcinoma xenografts. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2011</b> , 80, 1205-13	4	53
248	Radiolabeled Cetuximab Conjugates for EGFR Targeted Cancer Diagnostics and Therapy. <i>Pharmaceuticals</i> , <b>2014</b> , 7, 311-38	5.2	52
247	PI3K-Akt signaling regulates basal, but MAP-kinase signaling regulates radiation-induced XRCC1 expression in human tumor cells in vitro. <i>DNA Repair</i> , <b>2008</b> , 7, 1746-56	4.3	52
246	Effect of increase of radiation dose on local control relates to pre-treatment FDG uptake in FaDu tumours in nude mice. <i>Radiotherapy and Oncology</i> , <b>2007</b> , 83, 311-5	5.3	52
245	Improving the Predictive Value of Preclinical Studies in Support of Radiotherapy Clinical Trials. <i>Clinical Cancer Research</i> , <b>2016</b> , 22, 3138-47	12.9	52
244	EGFR-mediated chromatin condensation protects KRAS-mutant cancer cells against ionizing radiation. <i>Cancer Research</i> , <b>2014</b> , 74, 2825-34	10.1	50
243	Influence of connective tissue diseases on the expression of radiation side effects: a systematic review. <i>Radiotherapy and Oncology</i> , <b>2006</b> , 78, 123-30	5.3	50

242	An Epigenetic Reprogramming Strategy to Resensitize Radioresistant Prostate Cancer Cells. <i>Cancer Research</i> , <b>2016</b> , 76, 2637-51	10.1	48
241	Radiobiological effectiveness of laser accelerated electrons in comparison to electron beams from a conventional linear accelerator. <i>Journal of Radiation Research</i> , <b>2012</b> , 53, 395-403	2.4	47
240	Enhanced susceptibility of irradiated tumor vessels to vascular endothelial growth factor receptor tyrosine kinase inhibition. <i>Cancer Research</i> , <b>2005</b> , 65, 5374-9	10.1	47
239	The results of colorectal cancer treatment by p53 status: treatment-specific overview. <i>Diseases of the Colon and Rectum</i> , <b>2001</b> , 44, 322-33; discussion 333-4	3.1	47
238	EGFR-TK inhibition before radiotherapy reduces tumour volume but does not improve local control: differential response of cancer stem cells and nontumourigenic cells?. <i>Radiotherapy and Oncology</i> , <b>2007</b> , 83, 316-25	5.3	46
237	Spatial distribution of FMISO in head and neck squamous cell carcinomas during radio-chemotherapy and its correlation to pattern of failure. <i>Acta Oncologica</i> , <b>2015</b> , 54, 1355-63	3.2	45
236	Prognostic Value of Pretherapeutic Tumor-to-Blood Standardized Uptake Ratio in Patients with Esophageal Carcinoma. <i>Journal of Nuclear Medicine</i> , <b>2015</b> , 56, 1150-6	8.9	45
235	Radiolabeled anti-EGFR-antibody improves local tumor control after external beam radiotherapy and offers theragnostic potential. <i>Radiotherapy and Oncology</i> , <b>2014</b> , 110, 362-9	5.3	45
234	Response of xenografts of human malignant gliomas and squamous cell carcinomas to fractionated irradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1992</b> , 23, 803-9	4	45
233	Subjugation of TGF $\beta$ Signaling by Human Papilloma Virus in Head and Neck Squamous Cell Carcinoma Shifts DNA Repair from Homologous Recombination to Alternative End Joining. <i>Clinical Cancer Research</i> , <b>2018</b> , 24, 6001-6014	12.9	44
232	Guidelines for equipment and staffing of radiotherapy facilities in the European countries: final results of the ESTRO-HERO survey. <i>Radiotherapy and Oncology</i> , <b>2014</b> , 112, 165-77	5.3	44
231	GTV differentially impacts locoregional control of non-small cell lung cancer (NSCLC) after different fractionation schedules: subgroup analysis of the prospective randomized CHARTWEL trial. <i>Radiotherapy and Oncology</i> , <b>2013</b> , 106, 299-304	5.3	43
230	ErbB2 expression through heterodimerization with erbB1 is necessary for ionizing radiation- but not EGF-induced activation of Akt survival pathway. <i>Radiotherapy and Oncology</i> , <b>2010</b> , 97, 338-45	5.3	42
229	Radiosensitization of NSCLC cells by EGFR inhibition is the result of an enhanced p53-dependent G1 arrest. <i>Radiotherapy and Oncology</i> , <b>2015</b> , 115, 120-7	5.3	40
228	Comparative analysis of transcriptomics based hypoxia signatures in head- and neck squamous cell carcinoma. <i>Radiotherapy and Oncology</i> , <b>2016</b> , 118, 350-8	5.3	40
227	The extreme radiosensitivity of the squamous cell carcinoma SKX is due to a defect in double-strand break repair. <i>Radiotherapy and Oncology</i> , <b>2009</b> , 90, 257-64	5.3	40
226	BAY 87-2243, a novel inhibitor of hypoxia-induced gene activation, improves local tumor control after fractionated irradiation in a schedule-dependent manner in head and neck human xenografts. <i>Radiation Oncology</i> , <b>2014</b> , 9, 207	4.2	39
225	Co-localisation of hypoxia and perfusion markers with parameters of glucose metabolism in human squamous cell carcinoma (hSCC) xenografts. <i>International Journal of Radiation Biology</i> , <b>2009</b> , 85, 972-80	2.9	39



224	Impact of adjuvant inhibition of vascular endothelial growth factor receptor tyrosine kinases on tumor growth delay and local tumor control after fractionated irradiation in human squamous cell carcinomas in nude mice. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2005</b> , 61, 908-14	4	39
223	An investigation of the relation between tumor-to-liver ratio (TLR) and tumor-to-blood standard uptake ratio (SUR) in oncological FDG PET. <i>EJNMMI Research</i> , <b>2016</b> , 6, 19	3.6	37
222	Residual DNA double strand breaks in perfused but not in unperfused areas determine different radiosensitivity of tumours. <i>Radiotherapy and Oncology</i> , <b>2011</b> , 100, 137-44	5.3	37
221	Response of U87 glioma xenografts treated with concurrent rapamycin and fractionated radiotherapy: possible role for thrombosis. <i>Radiotherapy and Oncology</i> , <b>2007</b> , 82, 96-104	5.3	37
220	Increased evidence for the prognostic value of primary tumor asphericity in pretherapeutic FDG PET for risk stratification in patients with head and neck cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2015</b> , 42, 429-37	8.8	36
219	Does heterogeneity of pimonidazole labelling correspond to the heterogeneity of radiation-response of FaDu human squamous cell carcinoma?. <i>Radiotherapy and Oncology</i> , <b>2005</b> , 76, 206-12	5.3	36
218	New anticancer agents: in vitro and in vivo evaluation. <i>In Vivo</i> , <b>2005</b> , 19, 1-7	2.3	36
217	Antiproliferative effects of EGFR tyrosine kinase inhibition and radiation-induced genotoxic injury are attenuated by adhesion to fibronectin. <i>Radiotherapy and Oncology</i> , <b>2006</b> , 80, 178-84	5.3	35
216	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> , <b>2019</b> , 25, 1505-1516	12.9	35
215	Heterogeneity of tumour response to combined radiotherapy and EGFR inhibitors: differences between antibodies and TK inhibitors. <i>International Journal of Radiation Biology</i> , <b>2009</b> , 85, 943-54	2.9	34
214	CD133 expression is not selective for tumor-initiating or radioresistant cell populations in the CRC cell lines HCT-116. <i>Radiotherapy and Oncology</i> , <b>2009</b> , 92, 353-61	5.3	34
213	Hyperfractionated radiotherapy in head and neck cancer: a second look at the clinical data. <i>Radiotherapy and Oncology</i> , <b>1998</b> , 46, 127-30	5.3	34
212	Experimental study on different combination schedules of VEGF-receptor inhibitor PTK787/ZK222584 and fractionated irradiation. <i>Anticancer Research</i> , <b>2003</b> , 23, 3869-76	2.3	34
211	2-Deoxy-2-[ <sup>18</sup> F]fluoro-D-glucose positron emission tomography in target volume definition for radiotherapy of patients with non-small-cell lung cancer. <i>Molecular Imaging and Biology</i> , <b>2002</b> , 4, 257-63	3.8	33
210	Cancer Prevention Europe. <i>Molecular Oncology</i> , <b>2019</b> , 13, 528-534	7.9	32
209	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> , <b>2018</b> , 24, 1364-1374	12.9	32
208	CT imaging during treatment improves radiomic models for patients with locally advanced head and neck cancer. <i>Radiotherapy and Oncology</i> , <b>2019</b> , 130, 10-17	5.3	32
207	Effect of [( <sup>18</sup> F)]FMISO stratified dose-escalation on local control in FaDu hSCC in nude mice. <i>Radiotherapy and Oncology</i> , <b>2014</b> , 111, 81-7	5.3	32

206	Residual $\gamma$ H2AX foci predict local tumour control after radiotherapy. <i>Radiotherapy and Oncology</i> , <b>2013</b> , 108, 434-9	5.3	32
205	Effect of irradiated volume on lung damage in pigs. <i>Radiotherapy and Oncology</i> , <b>1997</b> , 44, 35-40	5.3	32
204	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> , <b>2018</b> , 142, 1911-1925	7.5	32
203	Photon vs. proton radiochemotherapy: Effects on brain tissue volume and perfusion. <i>Radiotherapy and Oncology</i> , <b>2018</b> , 128, 121-127	5.3	31
202	Prognostic value of radiobiological hypoxia during fractionated irradiation for local tumor control. <i>Strahlentherapie Und Onkologie</i> , <b>2011</b> , 187, 306-10	4.3	31
201	Cellular and tumor radiosensitivity is correlated to epidermal growth factor receptor protein expression level in tumors without EGFR amplification. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2011</b> , 80, 1181-8	4	31
200	Serial FDG-PET on patients with head and neck cancer: implications for radiation therapy. <i>International Journal of Radiation Biology</i> , <b>2009</b> , 85, 796-804	2.9	31
199	Low-dose hyperradiosensitivity of human glioblastoma cell lines in vitro does not translate into improved outcome of ultrafractionated radiotherapy in vivo. <i>International Journal of Radiation Biology</i> , <b>2005</b> , 81, 751-8	2.9	31
198	Precise image-guided irradiation of small animals: a flexible non-profit platform. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 3084-108	3.8	31
197	$\gamma$ H2AX assay in ex vivo irradiated tumour specimens: A novel method to determine tumour radiation sensitivity in patient-derived material. <i>Radiotherapy and Oncology</i> , <b>2015</b> , 116, 473-9	5.3	30
196	The CD98 Heavy Chain Is a Marker and Regulator of Head and Neck Squamous Cell Carcinoma Radiosensitivity. <i>Clinical Cancer Research</i> , <b>2019</b> , 25, 3152-3163	12.9	29
195	Residual $\gamma$ H2AX foci after ex vivo irradiation of patient samples with known tumour-type specific differences in radio-responsiveness. <i>Radiotherapy and Oncology</i> , <b>2015</b> , 116, 480-5	5.3	29
194	Hyperfractionated accelerated radiation therapy (HART) of 70.6 Gy with concurrent 5-FU/Mitomycin C is superior to HART of 77.6 Gy alone in locally advanced head and neck cancer: long-term results of the ARO 95-06 randomized phase III trial. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2015</b> , 91, 916-24	4	27
193	CD133 expression is not selective for tumor-initiating or radioresistant cell populations in the CRC cell line HCT-116. <i>Radiotherapy and Oncology</i> , <b>2010</b> , 94, 375-83	5.3	27
192	NTCP reduction for advanced head and neck cancer patients using proton therapy for complete or sequential boost treatment versus photon therapy. <i>Acta Oncologica</i> , <b>2015</b> , 54, 1658-64	3.2	26
191	Impact of waiting time after surgery and overall time of postoperative radiochemotherapy on treatment outcome in glioblastoma multiforme. <i>Radiation Oncology</i> , <b>2015</b> , 10, 172	4.2	26
190	Effect of cetuximab and fractionated irradiation on tumour micro-environment. <i>Radiotherapy and Oncology</i> , <b>2010</b> , 97, 322-9	5.3	26
189	Clinical biomarkers of kinase activity: examples from EGFR inhibition trials. <i>Cancer and Metastasis Reviews</i> , <b>2008</b> , 27, 387-402	9.6	26



188	Pharmacological inhibition of EGFR tyrosine kinase affects ILK-mediated cellular radiosensitization in vitro. <i>International Journal of Radiation Biology</i> , <b>2007</b> , 83, 793-802	2.9	26
187	The translational research chain: is it delivering the goods?. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2001</b> , 49, 345-51	4	26
186	Epidermal growth factor receptor inhibitors for radiotherapy: biological rationale and preclinical results. <i>Journal of Pharmacy and Pharmacology</i> , <b>2008</b> , 60, 1019-28	4.8	25
185	Electronic real-time assessment of patient-reported outcomes in routine care-first findings and experiences from the implementation in a comprehensive cancer center. <i>Supportive Care in Cancer</i> , <b>2016</b> , 24, 3047-56	3.9	25
184	Kinetics of EGFR expression during fractionated irradiation varies between different human squamous cell carcinoma lines in nude mice. <i>Radiotherapy and Oncology</i> , <b>2005</b> , 76, 151-6	5.3	24
183	Rat model of lung fibrosis: comparison of functional, biochemical, and histopathological changes 4 months after single irradiation of the right hemithorax. <i>Toxicology</i> , <b>2001</b> , 161, 153-63	4.4	24
182	Expressing cytotoxic compounds in Escherichia coli Nissle 1917 for tumor-targeting therapy. <i>Research in Microbiology</i> , <b>2019</b> , 170, 74-79	4	24
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45	Dose dependent cerebellar atrophy in glioma patients after radio(chemo)therapy. <i>Radiotherapy and Oncology</i> , <b>2020</b> , 150, 262-267	5.3	3

44	Modelling of late side-effects following cranial proton beam therapy. <i>Radiotherapy and Oncology</i> , <b>2021</b> , 157, 15-23	5.3	3
43	Identification of patient benefit from proton beam therapy in brain tumour patients based on dosimetric and NTCP analyses. <i>Radiotherapy and Oncology</i> , <b>2021</b> , 160, 69-77	5.3	3
42	Establishment and Characterisation of Heterotopic Patient-Derived Xenografts for Glioblastoma. <i>Cancers</i> , <b>2020</b> , 12,	6.6	3
41	Dual role of ER stress in response to metabolic co-targeting and radiosensitivity in head and neck cancer cells. <i>Cellular and Molecular Life Sciences</i> , <b>2021</b> , 78, 3021-3044	10.3	3
40	Moving Beyond the Standard of Care: Accelerate Testing of Radiation-Drug Combinations. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2021</b> , 111, 1131-1139	4	2
39	Bildung und Steuerung des Universitäts KrebsCentrum Dresden <b>2017</b> , 639-649		2
38	Comparison of patient stratification by computed tomography radiomics and hypoxia positron emission tomography in head-and-neck cancer radiotherapy. <i>Physics and Imaging in Radiation Oncology</i> , <b>2020</b> , 15, 52-59	3.1	2
37	Tyrosine Kinase c-MET as Therapeutic Target for Radiosensitization of Head and Neck Squamous Cell Carcinomas. <i>Cancers</i> , <b>2021</b> , 13,	6.6	2
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32	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> , <b>2020</b> , 22, 801-810	5.1	1
31	Selection of genetically distinct, rapidly proliferating clones does not contribute to repopulation during fractionated irradiation in FaDu squamous cell carcinoma. <i>Radiation Research</i> , <b>2003</b> , 160, 257-62	3.1	1
30	Wild-type sequence of TP53, intron 7. <i>Radiation Research</i> , <b>2001</b> , 155, 641	3.1	1
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27	Molecular Response to Combined Molecular- and External Radiotherapy in Head and Neck Squamous Cell Carcinoma (HNSCC). <i>Cancers</i> , <b>2021</b> , 13,	6.6	1

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23	GLS-driven glutamine catabolism contributes to prostate cancer radiosensitivity by regulating the redox state, stemness and ATG5-mediated autophagy		1
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19	Sample-size calculation for preclinical dose-response experiments using heterogeneous tumour models. <i>Radiotherapy and Oncology</i> , <b>2021</b> , 158, 262-267	5.3	0
18	Value of functional in-vivo endpoints in preclinical radiation research. <i>Radiotherapy and Oncology</i> , <b>2021</b> , 158, 155-161	5.3	0
17	Onkologische Spitzenforschung ¶gelingt der Transfer in die Versorgung? <b>2019</b> , 34, 524-526	0.2	0
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14	Protonentherapie bei Kindern mit Rhabdomyosarkom. <i>Info Onkologie</i> , <b>2016</b> , 19, 20-22		
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9	Response to Lindstrom and Fowler's "The influence of dose and time on local control of carcinoma of the larynx by radiation therapy". <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1992</b> , 22, 1163	4	

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4	3D Semi-quantification of Nanoparticle Content in Tissue on Experimental and Commercial CT-Scanner. <i>Springer Proceedings in Physics</i> , <b>2012</b> , 111-115	0.2
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2	Response to comment on "Biomarker signatures for primary radiochemotherapy of locally advanced HNSCC".. <i>Radiotherapy and Oncology</i> , <b>2022</b> ,	5.3
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