Bradly G Wouters

List of Publications by Year in Descending Order

172 papers	17,771 citations	58 h-index	132 g-index
184 ext. papers	19,971 ext. citations	6.7 avg, IF	6.08 L-index

#	Paper	IF	Citations
172	Repurposing Itraconazole and Hydroxychloroquine to Target Lysosomal Homeostasis in Epithelial Ovarian Cancer. *Cancer Research Communications*, **2022**, 2, 293-306		0
171	NOX4 links metabolic regulation in pancreatic cancer to endoplasmic reticulum redox vulnerability and dependence on PRDX4. *Science Advances*, **2021**, 7,	14.3	3
170	Strategic Training in Transdisciplinary Radiation Science for the 21st Century (STARS21): 15-Year Evaluation of an Innovative Research Training Program. *International Journal of Radiation Oncology Biology Physics*, **2021**, 110, 656-666	4	1
169	Emergence of Enzalutamide Resistance in Prostate Cancer is Associated with BCL-2 and IKKB Dependencies. *Clinical Cancer Research*, **2021**, 27, 2340-2351	12.9	4
168	An Engineered Patient-Derived Tumor Organoid Model That Can Be Disassembled to Study Cellular Responses in a Graded 3D Microenvironment. *Advanced Functional Materials*, **2021**, 31, 2105349	15.6	4
167	Multicenter International Society for Immunotherapy of Cancer Study of the Consensus Immunoscore for the Prediction of Survival and Response to Chemotherapy in Stage III Colon Cancer. *Journal of Clinical Oncology*, **2020**, 38, 3638-3651	2.2	47
166	Integration of Genomic and Transcriptional Features in Pancreatic Cancer Reveals Increased Cell Cycle Progression in Metastases. *Cancer Cell*, **2019**, 35, 267-282.e7	24.3	80
165	TePhe, a tellurium-containing phenylalanine mimic, allows monitoring of protein synthesis in vivo with mass cytometry. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 8155-8160	11.5	14
164	Functional CRISPR and shRNA Screens Identify Involvement of Mitochondrial Electron Transport in the Activation of Evofosfamide. *Molecular Pharmacology*, **2019**, 95, 638-651	4.3	7
163	Pantoprazole Affecting Docetaxel Resistance Pathways via Autophagy (PANDORA): Phase II Trial of High Dose Pantoprazole (Autophagy Inhibitor) with Docetaxel in Metastatic Castration-Resistant Prostate Cancer (mCRPC). *Oncologist*, **2019**, 24, 1188-1194	5.7	17
162	Targeting bivalency de-represses Indian Hedgehog and inhibits self-renewal of colorectal cancer-initiating cells. *Nature Communications*, **2019**, 10, 1436	17.4	21
161	Somatic Alteration Burden Involving Non-Cancer Genes Predicts Prognosis in Early-Stage Non-Small Cell Lung Cancer. *Cancers*, **2019**, 11,	6.6	2
160	Quantitative Visualization of Hypoxia and Proliferation Gradients Within Histological Tissue Sections. *Frontiers in Bioengineering and Biotechnology*, **2019**, 7, 397	5.8	15
159	The mTOR Targets 4E-BP1/2 Restrain Tumor Growth and Promote Hypoxia Tolerance in PTEN-driven Prostate Cancer. *Molecular Cancer Research*, **2018**, 16, 682-695	6.6	18
158	Administration of Hypoxia-Activated Prodrug Evofosfamide after Conventional Adjuvant Therapy Enhances Therapeutic Outcome and Targets Cancer-Initiating Cells in Preclinical Models of Colorectal Cancer. *Clinical Cancer Research*, **2018**, 24, 2116-2127	12.9	14
157	International validation of the consensus Immunoscore for the classification of colon cancer: a prognostic and accuracy study. *Lancet, The*, **2018**, 391, 2128-2139	40	910
156	Evofosfamide for the treatment of human papillomavirus-negative head and neck squamous cell carcinoma. *JCI Insight*, **2018**, 3,	9.9	31

155	Metabolic targeting of HIF-dependent glycolysis reduces lactate, increases oxygen consumption and enhances response to high-dose single-fraction radiotherapy in hypoxic solid tumors. *BMC Cancer*, **2017**, 17, 418	4.8	29
154	Targeting Hypoxia-Inducible Factors for Antiangiogenic Cancer Therapy. *Trends in Cancer*, **2017**, 3, 529-541	11.5	63
153	Molecular targeting of hypoxia in radiotherapy. *Advanced Drug Delivery Reviews*, **2017**, 109, 45-62	18.5	92
152	Association of Distinct Mutational Signatures With Correlates of Increased Immune Activity in Pancreatic Ductal Adenocarcinoma. *JAMA Oncology*, **2017**, 3, 774-783	13.4	157
151	In Vivo Imaging Reveals Significant Tumor Vascular Dysfunction and Increased Tumor Hypoxia-Inducible Factor-1 Expression Induced by High Single-Dose Irradiation in a Pancreatic Tumor Model. *International Journal of Radiation Oncology Biology Physics*, **2017**, 97, 184-194	4	26
150	PRC1 Prevents Replication Stress during Chondrogenic Transit Amplification. *Epigenomes*, **2017**, 1, 22	2.3	
149	Isotopologous Organotellurium Probes Reveal Dynamic Hypoxia In Vivo with Cellular Resolution. *Angewandte Chemie*, **2016**, 128, 13353-13357	3.6	7
148	Isotopologous Organotellurium Probes Reveal Dynamic Hypoxia In Vivo with Cellular Resolution. *Angewandte Chemie - International Edition*, **2016**, 55, 13159-13163	16.4	25
147	Drug-induced reactive oxygen species (ROS) rely on cell membrane properties to exert anticancer effects. *Scientific Reports*, **2016**, 6, 27439	4.9	29
146	Quantitative analysis of ChIP-seq data uncovers dynamic and sustained H3K4me3 and H3K27me3 modulation in cancer cells under hypoxia. *Epigenetics and Chromatin*, **2016**, 9, 48	5.8	14
145	PTP1B controls non-mitochondrial oxygen consumption by regulating RNF213 to promote tumour survival during hypoxia. *Nature Cell Biology*, **2016**, 18, 803-813	23.4	55
144	A three-dimensional engineered tumour for spatial snapshot analysis of cell metabolism and phenotype in hypoxic gradients. *Nature Materials*, **2016**, 15, 227-34	27	89
143	DICER governs characteristics of glioma stem cells and the resulting tumors in xenograft mouse models of glioblastoma. *Oncotarget*, **2016**, 7, 56431-56446	3.3	3
142	MATE2 Expression Is Associated with Cancer Cell Response to Metformin. *PLoS ONE*, **2016**, 11, e0165214	3.7	21
141	Development of TRACER: tissue roll for analysis of cellular environment and response. *Biofabrication*, **2016**, 8, 045008	10.5	20
140	Hypoxia increases genome-wide bivalent epigenetic marking by specific gain of H3K27me3. *Epigenetics and Chromatin*, **2016**, 9, 46	5.8	44
139	Hypoxia-activated prodrugs: paths forward in the era of personalised medicine. *British Journal of Cancer*, **2016**, 114, 1071-7	8.7	119
138	Effect of pantoprazole to enhance activity of docetaxel against human tumour xenografts by inhibiting autophagy. *British Journal of Cancer*, **2015**, 112, 832-40	8.7	37

137	Hypoxia and Predicting Radiation Response. *Seminars in Radiation Oncology*, **2015**, 25, 260-72	5.5	54
136	Radiobiological intercomparison of the 160 MeV and 230 MeV proton therapy beams at the Harvard Cyclotron Laboratory and at Massachusetts General Hospital. *Radiation Research*, **2015**, 183, 174-87	3.1	27
135	CHCHD2 Is Coamplified with EGFR in NSCLC and Regulates Mitochondrial Function and Cell Migration. *Molecular Cancer Research*, **2015**, 13, 1119-29	6.6	30
134	Cell Death Identification in Anticancer Therapy-Letter. *Cancer Research*, **2015**, 75, 3681	10.1	2
133	Identification of P450 Oxidoreductase as a Major Determinant of Sensitivity to Hypoxia-Activated Prodrugs. *Cancer Research*, **2015**, 75, 4211-23	10.1	56
132	MK3 modulation affects BMI1-dependent and independent cell cycle check-points. *PLoS ONE*, **2015**, 10, e0118840	3.7	1
131	Integrating RAS status into prognostic signatures for adenocarcinomas of the lung. *Clinical Cancer Research*, **2015**, 21, 1477-86	12.9	11
130	The unfolded protein response governs integrity of the haematopoietic stem-cell pool during stress. *Nature*, **2014**, 510, 268-72	50.4	231
129	Hypoxia-mediated downregulation of miRNA biogenesis promotes tumour progression. *Nature Communications*, **2014**, 5, 5202	17.4	130
128	Hypoxia promotes stem cell phenotypes and poor prognosis through epigenetic regulation of DICER. *Nature Communications*, **2014**, 5, 5203	17.4	164
127	Hotspot activating PRKD1 somatic mutations in polymorphous low-grade adenocarcinomas of the salivary glands. *Nature Genetics*, **2014**, 46, 1166-9	36.3	150
126	Towards the introduction of the QmmunoscoreQn the classification of malignant tumours. *Journal of Pathology*, **2014**, 232, 199-209	9.4	882
125	Resistance to dual blockade of the kinases PI3K and mTOR in KRAS-mutant colorectal cancer models results in combined sensitivity to inhibition of the receptor tyrosine kinase EGFR. *Science Signaling*, **2014**, 7, ra107	8.8	22
124	Identification of hypoxic cells using an organotellurium tag compatible with mass cytometry. *Angewandte Chemie - International Edition*, **2014**, 53, 11473-7	16.4	34
123	Identification of Hypoxic Cells Using an Organotellurium Tag Compatible with Mass Cytometry. *Angewandte Chemie*, **2014**, 126, 11657-11661	3.6	3
122	High tumor interstitial fluid pressure identifies cervical cancer patients with improved survival from radiotherapy plus cisplatin versus radiotherapy alone. *International Journal of Cancer*, **2014**, 135, 1692-9	7.5	23
121	Hypoxia provokes base excision repair changes and a repair-deficient, mutator phenotype in colorectal cancer cells. *Molecular Cancer Research*, **2014**, 12, 1407-15	6.6	39
120	RNF8-independent Lys63 poly-ubiquitylation prevents genomic instability in response to replication-associated DNA damage. *PLoS ONE*, **2014**, 9, e89997	3.7	1

119	Post-transcriptional regulation of MRE11 expression in muscle-invasive bladder tumours. *Oncotarget*, **2014**, 5, 993-1003	3.3	9
118	Hypoxia signaling and the metastatic phenotype. *Current Molecular Medicine*, **2014**, 14, 565-79	2.5	25
117	Hypoxia stimulates migration of breast cancer cells via the PERK/ATF4/LAMP3-arm of the unfolded protein response. *Breast Cancer Research*, **2013**, 15, R2	8.3	150
116	The autophagy associated gene, ULK1, promotes tolerance to chronic and acute hypoxia. *Radiotherapy and Oncology*, **2013**, 108, 529-34	5.3	37
115	New small molecule inhibitors of UPR activation demonstrate that PERK, but not IRE1 signaling is essential for promoting adaptation and survival to hypoxia. *Radiotherapy and Oncology*, **2013**, 108, 541-7	5.3	33
114	The roles of reactive oxygen species and autophagy in mediating the tolerance of tumor cells to cycling hypoxia. *Seminars in Radiation Oncology*, **2013**, 23, 252-61	5.5	37
113	Hypoxia and metastasis in an orthotopic cervix cancer xenograft model. *Radiotherapy and Oncology*, **2013**, 108, 506-10	5.3	11
112	Oncology scan--How radiation effects on cells in the stromal microenvironment influence tumor development, proliferation, and recovery. *International Journal of Radiation Oncology Biology Physics*, **2013**, 86, 593-5	4	1
111	Hypoxic activation of the PERK/eIF2 arm of the unfolded protein response promotes metastasis through induction of LAMP3. *Clinical Cancer Research*, **2013**, 19, 6126-37	12.9	85
110	PERK/eIF2 signaling protects therapy resistant hypoxic cells through induction of glutathione synthesis and protection against ROS. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 4622-7	11.5	151
109	Reprogramming metabolism with metformin improves tumor oxygenation and radiotherapy response. *Clinical Cancer Research*, **2013**, 19, 6741-50	12.9	213
108	Two phases of disulfide bond formation have differing requirements for oxygen. *Journal of Cell Biology*, **2013**, 203, 615-27	7.3	84
107	Hypoxia, androgen deprivation and systemic metastases in prostate cancer (in response to "Antivascular effects of neoadjuvant androgen deprivation for prostate cancer: an in vivo human study using susceptibility and relaxitivity dynamic MRI": in regard to Alonzi R et al. (Int J Radiat Oncol Biol Phys 2011;80(3):721-727). *International Journal of Radiation Oncology Biology Physics*, [illegible]	4	3
106	The prognostic value of temporal in vitro and in vivo derived hypoxia gene-expression signatures in breast cancer. *Radiotherapy and Oncology*, **2012**, 102, 436-43	5.3	37
105	Cancer classification using the Immunoscore: a worldwide task force. *Journal of Translational Medicine*, **2012**, 10, 205	8.5	538
104	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
103	Independent and functional validation of a multi-tumour-type proliferation signature. *British Journal of Cancer*, **2012**, 107, 508-15	8.7	9
102	NanoStringNorm: an extensible R package for the pre-processing of NanoString mRNA and miRNA data. *Bioinformatics*, **2012**, 28, 1546-8	7.2	168

101	E-Cadherin loss associated with EMT promotes radioresistance in human tumor cells. *Radiotherapy and Oncology*, **2011**, 99, 392-397	5.3	173
100	Deregulation of cap-dependent mRNA translation increases tumour radiosensitivity through reduction of the hypoxic fraction. *Radiotherapy and Oncology*, **2011**, 99, 385-91	5.3	20
99	AMPK regulates metabolism and survival in response to ionizing radiation. *Radiotherapy and Oncology*, **2011**, 99, 293-9	5.3	48
98	Translational control is a major contributor to hypoxia induced gene expression. *Radiotherapy and Oncology*, **2011**, 99, 379-84	5.3	29
97	Hypoxia disrupts the Fanconi anemia pathway and sensitizes cells to chemotherapy through regulation of UBE2T. *Radiotherapy and Oncology*, **2011**, 101, 190-7	5.3	32
96	Regulatory functions of ubiquitin in diverse DNA damage responses. *Current Molecular Medicine*, **2011**, 11, 152-69	2.5	18
95	Hypoxic regulation and prognostic value of LAMP3 expression in breast cancer. *Cancer*, **2011**, 117, 3670-81	6.1	46
94	A simple but highly effective approach to evaluate the prognostic performance of gene expression signatures. *PLoS ONE*, **2011**, 6, e28320	3.7	17
93	18S is an appropriate housekeeping gene for in vitro hypoxia experiments. *British Journal of Cancer*, **2010**, 103, 590; author reply 591-2	8.7	16
92	Neuroendocrine carcinoma in a patient with Birt-Hogg-Dub□syndrome. *Nature Reviews Urology*, **2010**, 7, 583-7	5.5	7
91	Diminished carcinogen detoxification is a novel mechanism for hypoxia-inducible factor 1-mediated genetic instability. *Journal of Biological Chemistry*, **2010**, 285, 14558-64	5.4	30
90	Regulation of PCNA polyubiquitination in human cells. *BMC Research Notes*, **2010**, 3, 85	2.3	19
89	Synchronised phosphorylation of BNIP3, Bcl-2 and Bcl-xL in response to microtubule-active drugs is JNK-independent and requires a mitotic kinase. *Biochemical Pharmacology*, **2010**, 79, 1562-72	6	15
88	The unfolded protein response protects human tumor cells during hypoxia through regulation of the autophagy genes MAP1LC3B and ATG5. *Journal of Clinical Investigation*, **2010**, 120, 127-41	15.9	588
87	Small-molecule activation of p53 blocks hypoxia-inducible factor 1alpha and vascular endothelial growth factor expression in vivo and leads to tumor cell apoptosis in normoxia and hypoxia. *Molecular and Cellular Biology*, **2009**, 29, 2243-53	4.8	74
86	Hypoxia-induced expression of carbonic anhydrase 9 is dependent on the unfolded protein response. *Journal of Biological Chemistry*, **2009**, 284, 24204-12	5.4	44
85	Intra-voxel heterogeneity influences the dose prescription for dose-painting with radiotherapy: a modelling study. *Physics in Medicine and Biology*, **2009**, 54, 2179-96	3.8	45
84	Disparity between in vivo EGFR expression and 89Zr-labeled cetuximab uptake assessed with PET. *Journal of Nuclear Medicine*, **2009**, 50, 123-31	8.9	167

83	The ATF6-Met[67]Val substitution is associated with increased plasma cholesterol levels. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2009**, 29, 1322-7	9.4	20
82	Inhibition of 4E-BP1 sensitizes U87 glioblastoma xenograft tumors to irradiation by decreasing hypoxia tolerance. *International Journal of Radiation Oncology Biology Physics*, **2009**, 73, 1219-27	4	33
81	Taking advantage of tumor cell adaptations to hypoxia for developing new tumor markers and treatment strategies. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2009**, 24 Suppl 1, 1-39	5.6	153
80	Identification of residual metabolic-active areas within individual NSCLC tumours using a pre-radiotherapy (18)Fluorodeoxyglucose-PET-CT scan. *Radiotherapy and Oncology*, **2009**, 91, 386-92	5.3	318
79	The use of a comprehensive tumour xenograft dataset to validate gene signatures relevant for radiation response. *Radiotherapy and Oncology*, **2009**, 92, 417-22	5.3	14
78	The deletion mutant EGFRvIII significantly contributes to stress resistance typical for the tumour microenvironment. *Radiotherapy and Oncology*, **2009**, 92, 399-404	5.3	20
77	Deficient carbonic anhydrase 9 expression in UPR-impaired cells is associated with reduced survival in an acidic microenvironment. *Radiotherapy and Oncology*, **2009**, 92, 437-42	5.3	16
76	Imaging of CA IX with fluorescent labelled sulfonamides distinguishes hypoxic and (re)-oxygenated cells in a xenograft tumour model. *Radiotherapy and Oncology*, **2009**, 92, 423-8	5.3	173
75	Binding of cetuximab to the EGFRvIII deletion mutant and its biological consequences in malignant glioma cells. *Radiotherapy and Oncology*, **2009**, 92, 393-8	5.3	30
74	Autophagy is required during cycling hypoxia to lower production of reactive oxygen species. *Radiotherapy and Oncology*, **2009**, 92, 411-6	5.3	112
73	Hypoxic activation of the unfolded protein response (UPR) induces expression of the metastasis-associated gene LAMP3. *Radiotherapy and Oncology*, **2009**, 92, 450-9	5.3	70
72	Cell death after irradiation **2009**, 27-40		24
71	Regulation of autophagy through multiple independent hypoxic signaling pathways. *Current Molecular Medicine*, **2009**, 9, 417-24	2.5	91
70	The oxygen effect and fractionated radiotherapy **2009**, 207-216		24
69	The tumour microenvironment and cellular hypoxia responses **2009**, 217-232		4
68	Irradiation-induced damage and the DNA damage response **2009**, 11-26		15
67	Poorer outcome in stromal HIF-2 alpha- and CA9-positive colorectal adenocarcinomas is associated with wild-type TP53 but not with BNIP3 promoter hypermethylation or apoptosis. *British Journal of Cancer*, **2008**, 99, 727-33	8.7	12
66	Robust prognostic value of a knowledge-based proliferation signature across large patient microarray studies spanning different cancer types. *British Journal of Cancer*, **2008**, 99, 1884-90	8.7	43

65	Hypoxia signalling through mTOR and the unfolded protein response in cancer. *Nature Reviews Cancer*, **2008**, 8, 851-64	31.3	690
64	Proteomics: methodologies and applications in oncology. *Seminars in Radiation Oncology*, **2008**, 18, 115-25	5.5	23
63	Hypoxia, hypoxia-inducible transcription factor, and macrophages in human atherosclerotic plaques are correlated with intraplaque angiogenesis. *Journal of the American College of Cardiology*, **2008**, 51, 1258-65	15.1	344
62	Antiproton radiotherapy. *Radiotherapy and Oncology*, **2008**, 86, 14-9	5.3	24
61	Chronic hypoxia decreases synthesis of homologous recombination proteins to offset chemoresistance and radioresistance. *Cancer Research*, **2008**, 68, 605-14	10.1	244
60	hMMS2 serves a redundant role in human PCNA polyubiquitination. *BMC Molecular Biology*, **2008**, 9, 24	4.5	14
59	The mTOR target 4E-BP1 contributes to differential protein expression during normoxia and hypoxia through changes in mRNA translation efficiency. *Proteomics*, **2008**, 8, 1019-28	4.8	39
58	Antiproton therapy. *Nuclear Instruments & Methods in Physics Research B*, **2008**, 266, 530-534	1.2	11
57	Radiation dose prescription for non-small-cell lung cancer according to normal tissue dose constraints: an in silico clinical trial. *International Journal of Radiation Oncology Biology Physics*, **2008**, 71, 1103-10	4	61
56	Efficacy of gene therapy-delivered cytosine deaminase is determined by enzymatic activity but not expression. *British Journal of Cancer*, **2007**, 96, 758-61	8.7	11
55	Hypoxia and regulation of messenger RNA translation. *Methods in Enzymology*, **2007**, 435, 247-73	1.7	32
54	Maximal neutropenia during chemotherapy and radiotherapy is significantly associated with the development of acute radiation-induced dysphagia in lung cancer patients. *Annals of Oncology*, **2007**, 18, 909-16	10.3	37
53	Dose- and time-dependent changes in gene expression in human glioma cells after low radiation doses. *Radiation Research*, **2007**, 168, 199-208	3.1	11
52	Formation of lysine 63-linked poly-ubiquitin chains protects human lung cells against benzo[a]pyrene-diol-epoxide-induced mutagenicity. *DNA Repair*, **2007**, 6, 852-62	4.3	9
51	Response of U87 glioma xenografts treated with concurrent rapamycin and fractionated radiotherapy: possible role for thrombosis. *Radiotherapy and Oncology*, **2007**, 82, 96-104	5.3	37
50	Imaging the hypoxia surrogate marker CA IX requires expression and catalytic activity for binding fluorescent sulfonamide inhibitors. *Radiotherapy and Oncology*, **2007**, 83, 367-73	5.3	138
49	Expression of EGFR variant vIII promotes both radiation resistance and hypoxia tolerance. *Radiotherapy and Oncology*, **2007**, 83, 333-9	5.3	37
48	Regulation of Cited2 expression provides a functional link between translational and transcriptional responses during hypoxia. *Radiotherapy and Oncology*, **2007**, 83, 346-52	5.3	15

47	Proteomic analysis of gene expression following hypoxia and reoxygenation reveals proteins involved in the recovery from endoplasmic reticulum and oxidative stress. *Radiotherapy and Oncology*, **2007**, 83, 340-5	5.3	16
46	Development and evaluation of a cetuximab-based imaging probe to target EGFR and EGFRvIII. *Radiotherapy and Oncology*, **2007**, 83, 326-32	5.3	24
45	Phosphorylation of eIF2alpha is required for mRNA translation inhibition and survival during moderate hypoxia. *Radiotherapy and Oncology*, **2007**, 83, 353-61	5.3	51
44	Impact of supervised gene signatures of early hypoxia on patient survival. *Radiotherapy and Oncology*, **2007**, 83, 374-82	5.3	51
43	Potential and limitations of bacterial-mediated cancer therapy. *Frontiers in Bioscience - Landmark*, **2007**, 12, 3880-91	2.8	28
42	Translational control of gene expression during hypoxia. *Cancer Biology and Therapy*, **2006**, 5, 749-55	4.6	116
41	Development of a flexible and potent hypoxia-inducible promoter for tumor-targeted gene expression in attenuated Salmonella. *Cancer Biology and Therapy*, **2006**, 5, 1120-8	4.6	66
40	Lysine 63-polyubiquitination guards against translesion synthesis-induced mutations. *PLoS Genetics* , **2006**, 2, e116	6	93
39	"Translating" tumor hypoxia: unfolded protein response (UPR)-dependent and UPR-independent pathways. *Molecular Cancer Research*, **2006**, 4, 423-36	6.6	178
38	Time between the first day of chemotherapy and the last day of chest radiation is the most important predictor of survival in limited-disease small-cell lung cancer. *Journal of Clinical Oncology* , **2006**, 24, 1057-63	2.2	252
37	The biological effectiveness of antiproton irradiation. *Radiotherapy and Oncology*, **2006**, 81, 233-42	5.3	51
36	Patterns of tumor oxygenation and their influence on the cellular hypoxic response and hypoxia-directed therapies. *Drug Resistance Updates*, **2006**, 9, 185-97	23.2	31
35	Repeated cycles of Clostridium-directed enzyme prodrug therapy result in sustained antitumour effects in vivo. *British Journal of Cancer*, **2006**, 95, 1212-9	8.7	84
34	Gene expression during acute and prolonged hypoxia is regulated by distinct mechanisms of translational control. *EMBO Journal*, **2006**, 25, 1114-25	13	278
33	Effects of radiotherapy and chemotherapy on angiogenesis and leukocyte infiltration in rectal cancer. *International Journal of Radiation Oncology Biology Physics*, **2006**, 66, 1219-27	4	31
32	Effects of radiotherapy planning with a dedicated combined PET-CT-simulator of patients with non-small cell lung cancer on dose limiting normal tissues and radiation dose-escalation: a planning study. *Radiotherapy and Oncology*, **2005**, 77, 5-10	5.3	121
31	The hypoxic proteome is influenced by gene-specific changes in mRNA translation. *Radiotherapy and Oncology*, **2005**, 76, 177-86	5.3	89
30	Control of the hypoxic response through regulation of mRNA translation. *Seminars in Cell and Developmental Biology*, **2005**, 16, 487-501	7.5	133

29	ER stress-regulated translation increases tolerance to extreme hypoxia and promotes tumor growth. *EMBO Journal*, **2005**, 24, 3470-81	13	563
28	Hypoxia-mediated down-regulation of Bid and Bax in tumors occurs via hypoxia-inducible factor 1-dependent and -independent mechanisms and contributes to drug resistance. *Molecular and Cellular Biology*, **2004**, 24, 2875-89	4.8	317
27	Activating transcription factor 4 is translationally regulated by hypoxic stress. *Molecular and Cellular Biology*, **2004**, 24, 7469-82	4.8	335
26	Biological effectiveness of antiproton annihilation. *Nuclear Instruments & Methods in Physics Research B*, **2004**, 221, 210-214	1.2	18
25	Biological effectiveness of antiproton annihilation. *Nuclear Instruments & Methods in Physics Research B*, **2004**, 214, 181-185	1.2	13
24	Plasma citrulline concentration: a surrogate end point for radiation-induced mucosal atrophy of the small bowel. A feasibility study in 23 patients. *International Journal of Radiation Oncology Biology Physics*, **2004**, 60, 275-85	4	98
23	Targeting hypoxia tolerance in cancer. *Drug Resistance Updates*, **2004**, 7, 25-40	23.2	68
22	Non-invasive 19F MR spectroscopy of 5-fluorocytosine to 5-fluorouracil conversion by recombinant Salmonella in tumours. *British Journal of Cancer*, **2003**, 89, 1796-801	8.7	31
21	Modulation of cell death in the tumor microenvironment. *Seminars in Radiation Oncology*, **2003**, 13, 31-41	5.5	83
20	Citrulline: a physiologic marker enabling quantitation and monitoring of epithelial radiation-induced small bowel damage. *International Journal of Radiation Oncology Biology Physics*, **2003**, 57, 1067-74	4	107
19	Regulation of protein synthesis by hypoxia via activation of the endoplasmic reticulum kinase PERK and phosphorylation of the translation initiation factor eIF2alpha. *Molecular and Cellular Biology*, **2002**, 22, 7405-16	4.8	537
18	Hypoxia as a target for combined modality treatments. *European Journal of Cancer*, **2002**, 38, 240-57	7.5	159
17	Transcription factor HIF-1 is a necessary mediator of the pasteur effect in mammalian cells. *Molecular and Cellular Biology*, **2001**, 21, 3436-44	4.8	476
16	Sensitivity of mammalian cells expressing mutant ubiquitin to protein-damaging agents. *Journal of Biological Chemistry*, **2001**, 276, 46073-8	5.4	72
15	Apoptosis: mediator or mode of cell killing by anticancer agents?. *Drug Resistance Updates*, **2001**, 4, 135-6	23.2	49
14	Cell cycle progression and radiation survival following prolonged hypoxia and re-oxygenation. *International Journal of Radiation Biology*, **2001**, 77, 319-28	2.9	25
13	A p53 and apoptotic independent role for p21waf1 in tumour response to radiation therapy. *Oncogene*, **1999**, 18, 6540-5	9.2	49
12	Cisplatin anti-tumour potentiation by tirapazamine results from a hypoxia-dependent cellular sensitization to cisplatin. *British Journal of Cancer*, **1999**, 80, 1245-51	8.7	57

List of Publications

11	Does Apoptosis Contribute to Tumor Cell Sensitivity to Anticancer Agents? **1999**, 1-19		3
10	Cancer therapy and tumor physiology. *Science*, **1998**, 279, 12-3	33.3	7
9	Substructure in the cell survival response at low radiation dose: effect of different subpopulations. *International Journal of Radiation Biology*, **1997**, 71, 737-49	2.9	14
8	Low-Dose Radiation Sensitivity and Induced Radioresistance to Cell Killing in HT-29 Cells Is Distinct from the "Adaptive Response" and Cannot Be Explained by a Subpopulation of Sensitive Cells. *Radiation Research*, **1997**, 148, 435	3.1	42
7	Cells at Intermediate Oxygen Levels Can Be More Important Than the "Hypoxic Fraction" in Determining Tumor Response to Fractionated Radiotherapy. *Radiation Research*, **1997**, 147, 541	3.1	237
6	Comments on Hyperbaric Oxygen and Carbogen/Nicotinamide with Fractionated Radiation. *Radiation Research*, **1997**, 148, 526	3.1	3
5	Substructure in the Radiation Survival Response at Low Dose in Cells of Human Tumor Cell Lines. *Radiation Research*, **1996**, 146, 388	3.1	14
4	Low-Dose Hypersensitivity and Increased Radioresistance in a Panel of Human Tumor Cell Lines with Different Radiosensitivity. *Radiation Research*, **1996**, 146, 399	3.1	72
3	Hypoxic cell sensitization: low-dose intrinsic radiosensitivity is predictive for etanidazole efficacy in a panel of human tumour cell lines. *International Journal of Radiation Biology*, **1996**, 70, 719-33	2.9	3
2	Cytotoxic effect of RB 6145 in human tumour cell lines: dependence on hypoxia, extra- and intracellular pH and drug uptake. *British Journal of Cancer*, **1995**, 72, 1479-86	8.7	4
1	Substructure in the radiation survival response at low dose: asynchronous and partially synchronized V79-WNRE cells. *International Journal of Radiation Biology*, **1993**, 64, 601-12	2.9	15