

Bradly G Wouters

List of Publications by Citations

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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	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544.	14.2	2783
171	International validation of the consensus Immunoscore for the classification of colon cancer: a prognostic and accuracy study. <i>Lancet, The</i> , 2018 , 391, 2128-2139	40	910
170	Towards the introduction of the Immunoscore in the classification of malignant tumours. <i>Journal of Pathology</i> , 2014 , 232, 199-209	9.4	882
169	Hypoxia signalling through mTOR and the unfolded protein response in cancer. <i>Nature Reviews Cancer</i> , 2008 , 8, 851-64	31.3	690
168	The unfolded protein response protects human tumor cells during hypoxia through regulation of the autophagy genes MAP1LC3B and ATG5. <i>Journal of Clinical Investigation</i> , 2010 , 120, 127-41	15.9	588
167	ER stress-regulated translation increases tolerance to extreme hypoxia and promotes tumor growth. <i>EMBO Journal</i> , 2005 , 24, 3470-81	13	563
166	Cancer classification using the Immunoscore: a worldwide task force. <i>Journal of Translational Medicine</i> , 2012 , 10, 205	8.5	538
165	Regulation of protein synthesis by hypoxia via activation of the endoplasmic reticulum kinase PERK and phosphorylation of the translation initiation factor eIF2alpha. <i>Molecular and Cellular Biology</i> , 2002 , 22, 7405-16	4.8	537
164	Transcription factor HIF-1 is a necessary mediator of the pasteur effect in mammalian cells. <i>Molecular and Cellular Biology</i> , 2001 , 21, 3436-44	4.8	476
163	Hypoxia, hypoxia-inducible transcription factor, and macrophages in human atherosclerotic plaques are correlated with intraplaque angiogenesis. <i>Journal of the American College of Cardiology</i> , 2008 , 51, 1258-65	15.1	344
162	Activating transcription factor 4 is translationally regulated by hypoxic stress. <i>Molecular and Cellular Biology</i> , 2004 , 24, 7469-82	4.8	335
161	Identification of residual metabolic-active areas within individual NSCLC tumours using a pre-radiotherapy (18)Fluorodeoxyglucose-PET-CT scan. <i>Radiotherapy and Oncology</i> , 2009 , 91, 386-92	5.3	318
160	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. <i>Molecular and Cellular Biology</i> , 2004 , 24, 2875-89	4.8	317
159	Gene expression during acute and prolonged hypoxia is regulated by distinct mechanisms of translational control. <i>EMBO Journal</i> , 2006 , 25, 1114-25	13	278
158	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. <i>Journal of Clinical Oncology</i> , 2006 , 24, 1057-63	2.2	252
157	Chronic hypoxia decreases synthesis of homologous recombination proteins to offset chemoresistance and radioresistance. <i>Cancer Research</i> , 2008 , 68, 605-14	10.1	244
156	Cells at Intermediate Oxygen Levels Can Be More Important Than the "Hypoxic Fraction" in Determining Tumor Response to Fractionated Radiotherapy. <i>Radiation Research</i> , 1997 , 147, 541	3.1	237

155	The unfolded protein response governs integrity of the haematopoietic stem-cell pool during stress. <i>Nature</i> , 2014 , 510, 268-72	50.4	231
154	Reprogramming metabolism with metformin improves tumor oxygenation and radiotherapy response. <i>Clinical Cancer Research</i> , 2013 , 19, 6741-50	12.9	213
153	"Translating" tumor hypoxia: unfolded protein response (UPR)-dependent and UPR-independent pathways. <i>Molecular Cancer Research</i> , 2006 , 4, 423-36	6.6	178
152	E-Cadherin loss associated with EMT promotes radioresistance in human tumor cells. <i>Radiotherapy and Oncology</i> , 2011 , 99, 392-397	5.3	173
151	Imaging of CA IX with fluorescent labelled sulfonamides distinguishes hypoxic and (re)-oxygenated cells in a xenograft tumour model. <i>Radiotherapy and Oncology</i> , 2009 , 92, 423-8	5.3	173
150	NanoStringNorm: an extensible R package for the pre-processing of NanoString mRNA and miRNA data. <i>Bioinformatics</i> , 2012 , 28, 1546-8	7.2	168
149	Disparity between in vivo EGFR expression and 89Zr-labeled cetuximab uptake assessed with PET. <i>Journal of Nuclear Medicine</i> , 2009 , 50, 123-31	8.9	167
148	Hypoxia promotes stem cell phenotypes and poor prognosis through epigenetic regulation of DICER. <i>Nature Communications</i> , 2014 , 5, 5203	17.4	164
147	Hypoxia as a target for combined modality treatments. <i>European Journal of Cancer</i> , 2002 , 38, 240-57	7.5	159
146	Association of Distinct Mutational Signatures With Correlates of Increased Immune Activity in Pancreatic Ductal Adenocarcinoma. <i>JAMA Oncology</i> , 2017 , 3, 774-783	13.4	157
145	Taking advantage of tumor cell adaptations to hypoxia for developing new tumor markers and treatment strategies. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2009 , 24 Suppl 1, 1-39	5.6	153
144	PERK/eIF2 β signaling protects therapy resistant hypoxic cells through induction of glutathione synthesis and protection against ROS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 4622-7	11.5	151
143	Hotspot activating PRKD1 somatic mutations in polymorphous low-grade adenocarcinomas of the salivary glands. <i>Nature Genetics</i> , 2014 , 46, 1166-9	36.3	150
142	Hypoxia stimulates migration of breast cancer cells via the PERK/ATF4/LAMP3-arm of the unfolded protein response. <i>Breast Cancer Research</i> , 2013 , 15, R2	8.3	150
141	Imaging the hypoxia surrogate marker CA IX requires expression and catalytic activity for binding fluorescent sulfonamide inhibitors. <i>Radiotherapy and Oncology</i> , 2007 , 83, 367-73	5.3	138
140	Control of the hypoxic response through regulation of mRNA translation. <i>Seminars in Cell and Developmental Biology</i> , 2005 , 16, 487-501	7.5	133
139	Hypoxia-mediated downregulation of miRNA biogenesis promotes tumour progression. <i>Nature Communications</i> , 2014 , 5, 5202	17.4	130
138	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. <i>Radiotherapy and Oncology</i> , 2005 , 77, 5-10	5.3	121

137	Hypoxia-activated prodrugs: paths forward in the era of personalised medicine. <i>British Journal of Cancer</i> , 2016 , 114, 1071-7	8.7	119
136	Translational control of gene expression during hypoxia. <i>Cancer Biology and Therapy</i> , 2006 , 5, 749-55	4.6	116
135	Autophagy is required during cycling hypoxia to lower production of reactive oxygen species. <i>Radiotherapy and Oncology</i> , 2009 , 92, 411-6	5.3	112
134	Citrulline: a physiologic marker enabling quantitation and monitoring of epithelial radiation-induced small bowel damage. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003 , 57, 1067-74	4	107
133	Plasma citrulline concentration: a surrogate end point for radiation-induced mucosal atrophy of the small bowel. A feasibility study in 23 patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004 , 60, 275-85	4	98
132	Lysine 63-polyubiquitination guards against translesion synthesis-induced mutations. <i>PLoS Genetics</i> , 2006 , 2, e116	6	93
131	Molecular targeting of hypoxia in radiotherapy. <i>Advanced Drug Delivery Reviews</i> , 2017 , 109, 45-62	18.5	92
130	Regulation of autophagy through multiple independent hypoxic signaling pathways. <i>Current Molecular Medicine</i> , 2009 , 9, 417-24	2.5	91
129	A three-dimensional engineered tumour for spatial snapshot analysis of cell metabolism and phenotype in hypoxic gradients. <i>Nature Materials</i> , 2016 , 15, 227-34	27	89
128	The hypoxic proteome is influenced by gene-specific changes in mRNA translation. <i>Radiotherapy and Oncology</i> , 2005 , 76, 177-86	5.3	89
127	Hypoxic activation of the PERK/eIF2 β arm of the unfolded protein response promotes metastasis through induction of LAMP3. <i>Clinical Cancer Research</i> , 2013 , 19, 6126-37	12.9	85
126	Two phases of disulfide bond formation have differing requirements for oxygen. <i>Journal of Cell Biology</i> , 2013 , 203, 615-27	7.3	84
125	Repeated cycles of Clostridium-directed enzyme prodrug therapy result in sustained antitumour effects in vivo. <i>British Journal of Cancer</i> , 2006 , 95, 1212-9	8.7	84
124	Modulation of cell death in the tumor microenvironment. <i>Seminars in Radiation Oncology</i> , 2003 , 13, 31-41	5.5	83
123	Integration of Genomic and Transcriptional Features in Pancreatic Cancer Reveals Increased Cell Cycle Progression in Metastases. <i>Cancer Cell</i> , 2019 , 35, 267-282.e7	24.3	80
122	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. <i>Molecular and Cellular Biology</i> , 2009 , 29, 2243-53	4.8	74
121	Sensitivity of mammalian cells expressing mutant ubiquitin to protein-damaging agents. <i>Journal of Biological Chemistry</i> , 2001 , 276, 46073-8	5.4	72
120	Low-Dose Hypersensitivity and Increased Radioresistance in a Panel of Human Tumor Cell Lines with Different Radiosensitivity. <i>Radiation Research</i> , 1996 , 146, 399	3.1	72

119	Hypoxic activation of the unfolded protein response (UPR) induces expression of the metastasis-associated gene LAMP3. <i>Radiotherapy and Oncology</i> , 2009 , 92, 450-9	5.3	70
118	Targeting hypoxia tolerance in cancer. <i>Drug Resistance Updates</i> , 2004 , 7, 25-40	23.2	68
117	Development of a flexible and potent hypoxia-inducible promoter for tumor-targeted gene expression in attenuated Salmonella. <i>Cancer Biology and Therapy</i> , 2006 , 5, 1120-8	4.6	66
116	Targeting Hypoxia-Inducible Factors for Antiangiogenic Cancer Therapy. <i>Trends in Cancer</i> , 2017 , 3, 529-541	1.5	63
115	Radiation dose prescription for non-small-cell lung cancer according to normal tissue dose constraints: an in silico clinical trial. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008 , 71, 1103-10	4	61
114	Cisplatin anti-tumour potentiation by tirapazamine results from a hypoxia-dependent cellular sensitization to cisplatin. <i>British Journal of Cancer</i> , 1999 , 80, 1245-51	8.7	57
113	Identification of P450 Oxidoreductase as a Major Determinant of Sensitivity to Hypoxia-Activated Prodrugs. <i>Cancer Research</i> , 2015 , 75, 4211-23	10.1	56
112	PTP1B controls non-mitochondrial oxygen consumption by regulating RNF213 to promote tumour survival during hypoxia. <i>Nature Cell Biology</i> , 2016 , 18, 803-813	23.4	55
111	Hypoxia and Predicting Radiation Response. <i>Seminars in Radiation Oncology</i> , 2015 , 25, 260-72	5.5	54
110	Phosphorylation of eIF2alpha is required for mRNA translation inhibition and survival during moderate hypoxia. <i>Radiotherapy and Oncology</i> , 2007 , 83, 353-61	5.3	51
109	Impact of supervised gene signatures of early hypoxia on patient survival. <i>Radiotherapy and Oncology</i> , 2007 , 83, 374-82	5.3	51
108	The biological effectiveness of antiproton irradiation. <i>Radiotherapy and Oncology</i> , 2006 , 81, 233-42	5.3	51
107	Apoptosis: mediator or mode of cell killing by anticancer agents?. <i>Drug Resistance Updates</i> , 2001 , 4, 135-63	2	49
106	A p53 and apoptotic independent role for p21waf1 in tumour response to radiation therapy. <i>Oncogene</i> , 1999 , 18, 6540-5	9.2	49
105	AMPK regulates metabolism and survival in response to ionizing radiation. <i>Radiotherapy and Oncology</i> , 2011 , 99, 293-9	5.3	48
104	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. <i>Journal of Clinical Oncology</i> , 2020 , 38, 3638-3651	2.2	47
103	Hypoxic regulation and prognostic value of LAMP3 expression in breast cancer. <i>Cancer</i> , 2011 , 117, 3670-81	1	46
102	Intra-voxel heterogeneity influences the dose prescription for dose-painting with radiotherapy: a modelling study. <i>Physics in Medicine and Biology</i> , 2009 , 54, 2179-96	3.8	45

101	Hypoxia-induced expression of carbonic anhydrase 9 is dependent on the unfolded protein response. <i>Journal of Biological Chemistry</i> , 2009 , 284, 24204-12	5.4	44
100	Hypoxia increases genome-wide bivalent epigenetic marking by specific gain of H3K27me3. <i>Epigenetics and Chromatin</i> , 2016 , 9, 46	5.8	44
99	Robust prognostic value of a knowledge-based proliferation signature across large patient microarray studies spanning different cancer types. <i>British Journal of Cancer</i> , 2008 , 99, 1884-90	8.7	43
98	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. <i>Radiation Research</i> , 1997 , 148, 435	3.1	42
97	Hypoxia provokes base excision repair changes and a repair-deficient, mutator phenotype in colorectal cancer cells. <i>Molecular Cancer Research</i> , 2014 , 12, 1407-15	6.6	39
96	The mTOR target 4E-BP1 contributes to differential protein expression during normoxia and hypoxia through changes in mRNA translation efficiency. <i>Proteomics</i> , 2008 , 8, 1019-28	4.8	39
95	Effect of pantoprazole to enhance activity of docetaxel against human tumour xenografts by inhibiting autophagy. <i>British Journal of Cancer</i> , 2015 , 112, 832-40	8.7	37
94	The autophagy associated gene, ULK1, promotes tolerance to chronic and acute hypoxia. <i>Radiotherapy and Oncology</i> , 2013 , 108, 529-34	5.3	37
93	The roles of reactive oxygen species and autophagy in mediating the tolerance of tumor cells to cycling hypoxia. <i>Seminars in Radiation Oncology</i> , 2013 , 23, 252-61	5.5	37
92	The prognostic value of temporal in vitro and in vivo derived hypoxia gene-expression signatures in breast cancer. <i>Radiotherapy and Oncology</i> , 2012 , 102, 436-43	5.3	37
91	Maximal neutropenia during chemotherapy and radiotherapy is significantly associated with the development of acute radiation-induced dysphagia in lung cancer patients. <i>Annals of Oncology</i> , 2007 , 18, 909-16	10.3	37
90	Response of U87 glioma xenografts treated with concurrent rapamycin and fractionated radiotherapy: possible role for thrombosis. <i>Radiotherapy and Oncology</i> , 2007 , 82, 96-104	5.3	37
89	Expression of EGFR variant vIII promotes both radiation resistance and hypoxia tolerance. <i>Radiotherapy and Oncology</i> , 2007 , 83, 333-9	5.3	37
88	Identification of hypoxic cells using an organotellurium tag compatible with mass cytometry. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 11473-7	16.4	34
87	New small molecule inhibitors of UPR activation demonstrate that PERK, but not IRE1 signaling is essential for promoting adaptation and survival to hypoxia. <i>Radiotherapy and Oncology</i> , 2013 , 108, 541-7	5.3	33
86	Inhibition of 4E-BP1 sensitizes U87 glioblastoma xenograft tumors to irradiation by decreasing hypoxia tolerance. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009 , 73, 1219-27	4	33
85	Hypoxia disrupts the Fanconi anemia pathway and sensitizes cells to chemotherapy through regulation of UBE2T. <i>Radiotherapy and Oncology</i> , 2011 , 101, 190-7	5.3	32
84	Hypoxia and regulation of messenger RNA translation. <i>Methods in Enzymology</i> , 2007 , 435, 247-73	1.7	32

83	Patterns of tumor oxygenation and their influence on the cellular hypoxic response and hypoxia-directed therapies. <i>Drug Resistance Updates</i> , 2006 , 9, 185-97	23.2	31
82	Effects of radiotherapy and chemotherapy on angiogenesis and leukocyte infiltration in rectal cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006 , 66, 1219-27	4	31
81	Non-invasive 19F MR spectroscopy of 5-fluorocytosine to 5-fluorouracil conversion by recombinant Salmonella in tumours. <i>British Journal of Cancer</i> , 2003 , 89, 1796-801	8.7	31
80	Evofosfamide for the treatment of human papillomavirus-negative head and neck squamous cell carcinoma. <i>JCI Insight</i> , 2018 , 3,	9.9	31
79	CHCHD2 Is Coamplified with EGFR in NSCLC and Regulates Mitochondrial Function and Cell Migration. <i>Molecular Cancer Research</i> , 2015 , 13, 1119-29	6.6	30
78	Diminished carcinogen detoxification is a novel mechanism for hypoxia-inducible factor 1-mediated genetic instability. <i>Journal of Biological Chemistry</i> , 2010 , 285, 14558-64	5.4	30
77	Binding of cetuximab to the EGFRvIII deletion mutant and its biological consequences in malignant glioma cells. <i>Radiotherapy and Oncology</i> , 2009 , 92, 393-8	5.3	30
76	Metabolic targeting of HIF-dependent glycolysis reduces lactate, increases oxygen consumption and enhances response to high-dose single-fraction radiotherapy in hypoxic solid tumors. <i>BMC Cancer</i> , 2017 , 17, 418	4.8	29
75	Drug-induced reactive oxygen species (ROS) rely on cell membrane properties to exert anticancer effects. <i>Scientific Reports</i> , 2016 , 6, 27439	4.9	29
74	Translational control is a major contributor to hypoxia induced gene expression. <i>Radiotherapy and Oncology</i> , 2011 , 99, 379-84	5.3	29
73	Potential and limitations of bacterial-mediated cancer therapy. <i>Frontiers in Bioscience - Landmark</i> , 2007 , 12, 3880-91	2.8	28
72	Radiobiological intercomparison of the 160 MeV and 230 MeV proton therapy beams at the Harvard Cyclotron Laboratory and at Massachusetts General Hospital. <i>Radiation Research</i> , 2015 , 183, 174-87	3.1	27
71	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. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017 , 97, 184-194	4	26
70	Isotopologous Organotellurium Probes Reveal Dynamic Hypoxia In Vivo with Cellular Resolution. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 13159-13163	16.4	25
69	Cell cycle progression and radiation survival following prolonged hypoxia and re-oxygenation. <i>International Journal of Radiation Biology</i> , 2001 , 77, 319-28	2.9	25
68	Hypoxia signaling and the metastatic phenotype. <i>Current Molecular Medicine</i> , 2014 , 14, 565-79	2.5	25
67	Cell death after irradiation 2009 , 27-40		24
66	Antiproton radiotherapy. <i>Radiotherapy and Oncology</i> , 2008 , 86, 14-9	5.3	24

65	Development and evaluation of a cetuximab-based imaging probe to target EGFR and EGFRvIII. <i>Radiotherapy and Oncology</i> , 2007 , 83, 326-32	5.3	24
64	The oxygen effect and fractionated radiotherapy 2009 , 207-216		24
63	High tumor interstitial fluid pressure identifies cervical cancer patients with improved survival from radiotherapy plus cisplatin versus radiotherapy alone. <i>International Journal of Cancer</i> , 2014 , 135, 1692-9	7.5	23
62	Proteomics: methodologies and applications in oncology. <i>Seminars in Radiation Oncology</i> , 2008 , 18, 115-25	3.5	23
61	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. <i>Science Signaling</i> , 2014 , 7, ra107	8.8	22
60	Targeting bivalency de-represses Indian Hedgehog and inhibits self-renewal of colorectal cancer-initiating cells. <i>Nature Communications</i> , 2019 , 10, 1436	17.4	21
59	MATE2 Expression Is Associated with Cancer Cell Response to Metformin. <i>PLoS ONE</i> , 2016 , 11, e0165214	3.7	21
58	Deregulation of cap-dependent mRNA translation increases tumour radiosensitivity through reduction of the hypoxic fraction. <i>Radiotherapy and Oncology</i> , 2011 , 99, 385-91	5.3	20
57	The ATF6-Met[67]Val substitution is associated with increased plasma cholesterol levels. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 1322-7	9.4	20
56	The deletion mutant EGFRvIII significantly contributes to stress resistance typical for the tumour microenvironment. <i>Radiotherapy and Oncology</i> , 2009 , 92, 399-404	5.3	20
55	Development of TRACER: tissue roll for analysis of cellular environment and response. <i>Biofabrication</i> , 2016 , 8, 045008	10.5	20
54	Regulation of PCNA polyubiquitination in human cells. <i>BMC Research Notes</i> , 2010 , 3, 85	2.3	19
53	The mTOR Targets 4E-BP1/2 Restrain Tumor Growth and Promote Hypoxia Tolerance in PTEN-driven Prostate Cancer. <i>Molecular Cancer Research</i> , 2018 , 16, 682-695	6.6	18
52	Regulatory functions of ubiquitin in diverse DNA damage responses. <i>Current Molecular Medicine</i> , 2011 , 11, 152-69	2.5	18
51	Biological effectiveness of antiproton annihilation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2004 , 221, 210-214	1.2	18
50	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). <i>Oncologist</i> , 2019 , 24, 1188-1194	5.7	17
49	A simple but highly effective approach to evaluate the prognostic performance of gene expression signatures. <i>PLoS ONE</i> , 2011 , 6, e28320	3.7	17
48	18S is an appropriate housekeeping gene for in vitro hypoxia experiments. <i>British Journal of Cancer</i> , 2010 , 103, 590; author reply 591-2	8.7	16

47	Deficient carbonic anhydrase 9 expression in UPR-impaired cells is associated with reduced survival in an acidic microenvironment. <i>Radiotherapy and Oncology</i> , 2009 , 92, 437-42	5.3	16
46	Proteomic analysis of gene expression following hypoxia and reoxygenation reveals proteins involved in the recovery from endoplasmic reticulum and oxidative stress. <i>Radiotherapy and Oncology</i> , 2007 , 83, 340-5	5.3	16
45	Synchronised phosphorylation of BNIP3, Bcl-2 and Bcl-xL in response to microtubule-active drugs is JNK-independent and requires a mitotic kinase. <i>Biochemical Pharmacology</i> , 2010 , 79, 1562-72	6	15
44	Regulation of Cited2 expression provides a functional link between translational and transcriptional responses during hypoxia. <i>Radiotherapy and Oncology</i> , 2007 , 83, 346-52	5.3	15
43	Substructure in the radiation survival response at low dose: asynchronous and partially synchronized V79-WNRE cells. <i>International Journal of Radiation Biology</i> , 1993 , 64, 601-12	2.9	15
42	Irradiation-induced damage and the DNA damage response 2009 , 11-26		15
41	Quantitative Visualization of Hypoxia and Proliferation Gradients Within Histological Tissue Sections. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 397	5.8	15
40	TePhe, a tellurium-containing phenylalanine mimic, allows monitoring of protein synthesis in vivo with mass cytometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 8155-8160	11.5	14
39	Administration of Hypoxia-Activated Prodrug Evofosfamide after Conventional Adjuvant Therapy Enhances Therapeutic Outcome and Targets Cancer-Initiating Cells in Preclinical Models of Colorectal Cancer. <i>Clinical Cancer Research</i> , 2018 , 24, 2116-2127	12.9	14
38	Quantitative analysis of ChIP-seq data uncovers dynamic and sustained H3K4me3 and H3K27me3 modulation in cancer cells under hypoxia. <i>Epigenetics and Chromatin</i> , 2016 , 9, 48	5.8	14
37	The use of a comprehensive tumour xenograft dataset to validate gene signatures relevant for radiation response. <i>Radiotherapy and Oncology</i> , 2009 , 92, 417-22	5.3	14
36	Substructure in the cell survival response at low radiation dose: effect of different subpopulations. <i>International Journal of Radiation Biology</i> , 1997 , 71, 737-49	2.9	14
35	hMMS2 serves a redundant role in human PCNA polyubiquitination. <i>BMC Molecular Biology</i> , 2008 , 9, 24	4.5	14
34	Substructure in the Radiation Survival Response at Low Dose in Cells of Human Tumor Cell Lines. <i>Radiation Research</i> , 1996 , 146, 388	3.1	14
33	Biological effectiveness of antiproton annihilation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2004 , 214, 181-185	1.2	13
32	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. <i>British Journal of Cancer</i> , 2008 , 99, 727-33	8.7	12
31	Hypoxia and metastasis in an orthotopic cervix cancer xenograft model. <i>Radiotherapy and Oncology</i> , 2013 , 108, 506-10	5.3	11
30	Integrating RAS status into prognostic signatures for adenocarcinomas of the lung. <i>Clinical Cancer Research</i> , 2015 , 21, 1477-86	12.9	11

29	Efficacy of gene therapy-delivered cytosine deaminase is determined by enzymatic activity but not expression. <i>British Journal of Cancer</i> , 2007 , 96, 758-61	8.7	11
28	Antiproton therapy. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008 , 266, 530-534	1.2	11
27	Dose- and time-dependent changes in gene expression in human glioma cells after low radiation doses. <i>Radiation Research</i> , 2007 , 168, 199-208	3.1	11
26	Independent and functional validation of a multi-tumour-type proliferation signature. <i>British Journal of Cancer</i> , 2012 , 107, 508-15	8.7	9
25	Formation of lysine 63-linked poly-ubiquitin chains protects human lung cells against benzo[a]pyrene-diol-epoxide-induced mutagenicity. <i>DNA Repair</i> , 2007 , 6, 852-62	4.3	9
24	Post-transcriptional regulation of MRE11 expression in muscle-invasive bladder tumours. <i>Oncotarget</i> , 2014 , 5, 993-1003	3.3	9
23	Functional CRISPR and shRNA Screens Identify Involvement of Mitochondrial Electron Transport in the Activation of Evofosfamide. <i>Molecular Pharmacology</i> , 2019 , 95, 638-651	4.3	7
22	Isotopologous Organotellurium Probes Reveal Dynamic Hypoxia In Vivo with Cellular Resolution. <i>Angewandte Chemie</i> , 2016 , 128, 13353-13357	3.6	7
21	Neuroendocrine carcinoma in a patient with Birt-Hogg-Dubé syndrome. <i>Nature Reviews Urology</i> , 2010 , 7, 583-7	5.5	7
20	Cancer therapy and tumor physiology. <i>Science</i> , 1998 , 279, 12-3	33.3	7
19	Cytotoxic effect of RB 6145 in human tumour cell lines: dependence on hypoxia, extra- and intracellular pH and drug uptake. <i>British Journal of Cancer</i> , 1995 , 72, 1479-86	8.7	4
18	The tumour microenvironment and cellular hypoxia responses 2009 , 217-232		4
17	Emergence of Enzalutamide Resistance in Prostate Cancer is Associated with BCL-2 and IKKB Dependencies. <i>Clinical Cancer Research</i> , 2021 , 27, 2340-2351	12.9	4
16	An Engineered Patient-Derived Tumor Organoid Model That Can Be Disassembled to Study Cellular Responses in a Graded 3D Microenvironment. <i>Advanced Functional Materials</i> , 2021 , 31, 2105349	15.6	4
15	Identification of Hypoxic Cells Using an Organotellurium Tag Compatible with Mass Cytometry. <i>Angewandte Chemie</i> , 2014 , 126, 11657-11661	3.6	3
14	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 relaxivity dynamic MRI": in regard to Alonzi R et al. (Int J Radiat Oncol Biol Phys 2011;80(3):721-727). <i>International Journal of Radiation Oncology Biology Physics</i> ,	4	3
13	Comments on Hyperbaric Oxygen and Carbogen/Nicotinamide with Fractionated Radiation. <i>Radiation Research</i> , 1997 , 148, 526	3.1	3
12	Hypoxic cell sensitization: low-dose intrinsic radiosensitivity is predictive for etanidazole efficacy in a panel of human tumour cell lines. <i>International Journal of Radiation Biology</i> , 1996 , 70, 719-33	2.9	3

11	DICER governs characteristics of glioma stem cells and the resulting tumors in xenograft mouse models of glioblastoma. <i>Oncotarget</i> , 2016 , 7, 56431-56446	3.3	3
10	Does Apoptosis Contribute to Tumor Cell Sensitivity to Anticancer Agents? 1999 , 1-19		3
9	NOX4 links metabolic regulation in pancreatic cancer to endoplasmic reticulum redox vulnerability and dependence on PRDX4. <i>Science Advances</i> , 2021 , 7,	14.3	3
8	Cell Death Identification in Anticancer Therapy-Letter. <i>Cancer Research</i> , 2015 , 75, 3681	10.1	2
7	Somatic Alteration Burden Involving Non-Cancer Genes Predicts Prognosis in Early-Stage Non-Small Cell Lung Cancer. <i>Cancers</i> , 2019 , 11,	6.6	2
6	Oncology scan--How radiation effects on cells in the stromal microenvironment influence tumor development, proliferation, and recovery. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013 , 86, 593-5	4	1
5	MK3 modulation affects BMI1-dependent and independent cell cycle check-points. <i>PLoS ONE</i> , 2015 , 10, e0118840	3.7	1
4	RNF8-independent Lys63 poly-ubiquitylation prevents genomic instability in response to replication-associated DNA damage. <i>PLoS ONE</i> , 2014 , 9, e89997	3.7	1
3	Strategic Training in Transdisciplinary Radiation Science for the 21st Century (STARS21): 15-Year Evaluation of an Innovative Research Training Program. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021 , 110, 656-666	4	1
2	Repurposing Itraconazole and Hydroxychloroquine to Target Lysosomal Homeostasis in Epithelial Ovarian Cancer. <i>Cancer Research Communications</i> , 2022 , 2, 293-306		0
1	PRC1 Prevents Replication Stress during Chondrogenic Transit Amplification. <i>Epigenomes</i> , 2017 , 1, 22	2.3	