

Robert Bristow

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

242
papers

14,264
citations

67
h-index

112
g-index

265
ext. papers

17,104
ext. citations

8.1
avg, IF

6.28
L-index

#	Paper	IF	Citations
242	Hypoxia and metabolism. Hypoxia, DNA repair and genetic instability. <i>Nature Reviews Cancer</i> , 2008 , 8, 180-92	31.3	827
241	Gold nanoparticles as radiation sensitizers in cancer therapy. <i>Radiation Research</i> , 2010 , 173, 719-28	3.1	436
240	DNA double-strand break repair pathway choice is directed by distinct MRE11 nuclease activities. <i>Molecular Cell</i> , 2014 , 53, 7-18	17.6	371
239	Genomic hallmarks of localized, non-indolent prostate cancer. <i>Nature</i> , 2017 , 541, 359-364	50.4	320
238	Chk2 is a tumor suppressor that regulates apoptosis in both an ataxia telangiectasia mutated (ATM)-dependent and an ATM-independent manner. <i>Molecular and Cellular Biology</i> , 2002 , 22, 6521-32	4.8	316
237	Spatial genomic heterogeneity within localized, multifocal prostate cancer. <i>Nature Genetics</i> , 2015 , 47, 736-45	36.3	306
236	Analysis of the genetic phylogeny of multifocal prostate cancer identifies multiple independent clonal expansions in neoplastic and morphologically normal prostate tissue. <i>Nature Genetics</i> , 2015 , 47, 367-372	36.3	292
235	Down-regulation of Rad51 and decreased homologous recombination in hypoxic cancer cells. <i>Molecular and Cellular Biology</i> , 2004 , 24, 8504-18	4.8	291
234	Hypoxia-induced down-regulation of BRCA1 expression by E2Fs. <i>Cancer Research</i> , 2005 , 65, 11597-604	10.1	269
233	Molecular landmarks of tumor hypoxia across cancer types. <i>Nature Genetics</i> , 2019 , 51, 308-318	36.3	255
232	Chronic hypoxia decreases synthesis of homologous recombination proteins to offset chemoresistance and radioresistance. <i>Cancer Research</i> , 2008 , 68, 605-14	10.1	244
231	Tumour genomic and microenvironmental heterogeneity for integrated prediction of 5-year biochemical recurrence of prostate cancer: a retrospective cohort study. <i>Lancet Oncology</i> , 2014 , 15, 1521-1532	21.7	218
230	Widespread and Functional RNA Circularization in Localized Prostate Cancer. <i>Cell</i> , 2019 , 176, 831-843.e236.2	36.2	214
229	Reprogramming metabolism with metformin improves tumor oxygenation and radiotherapy response. <i>Clinical Cancer Research</i> , 2013 , 19, 6741-50	12.9	213
228	Tumor hypoxia predicts biochemical failure following radiotherapy for clinically localized prostate cancer. <i>Clinical Cancer Research</i> , 2012 , 18, 2108-14	12.9	181
227	Contextual synthetic lethality of cancer cell kill based on the tumor microenvironment. <i>Cancer Research</i> , 2010 , 70, 8045-54	10.1	176
226	Germline MutY human homologue mutations and colorectal cancer: a multisite case-control study. <i>Gastroenterology</i> , 2009 , 136, 1251-60	13.3	165

225	The p53 gene as a modifier of intrinsic radiosensitivity: implications for radiotherapy. <i>Radiotherapy and Oncology</i> , 1996 , 40, 197-223	5.3	163
224	Ionizing radiation activates AMP-activated kinase (AMPK): a target for radiosensitization of human cancer cells. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 78, 221-9	4	161
223	Modulation of long noncoding RNAs by risk SNPs underlying genetic predispositions to prostate cancer. <i>Nature Genetics</i> , 2016 , 48, 1142-50	36.3	158
222	Hypoxia down-regulates DNA double strand break repair gene expression in prostate cancer cells. <i>Radiotherapy and Oncology</i> , 2005 , 76, 168-76	5.3	156
221	Management of Patients with Advanced Prostate Cancer: Report of the Advanced Prostate Cancer Consensus Conference 2019. <i>European Urology</i> , 2020 , 77, 508-547	10.2	155
220	Propensity Score Analysis of Radical Cystectomy Versus Bladder-Sparing Trimodal Therapy in the Setting of a Multidisciplinary Bladder Cancer Clinic. <i>Journal of Clinical Oncology</i> , 2017 , 35, 2299-2305	2.2	153
219	T1/T2 glottic cancer managed by external beam radiotherapy: the influence of pretreatment hemoglobin on local control. <i>International Journal of Radiation Oncology Biology Physics</i> , 1998 , 41, 347-53	4	150
218	MRE11 expression is predictive of cause-specific survival following radical radiotherapy for muscle-invasive bladder cancer. <i>Cancer Research</i> , 2010 , 70, 7017-26	10.1	148
217	From sequence to molecular pathology, and a mechanism driving the neuroendocrine phenotype in prostate cancer. <i>Journal of Pathology</i> , 2012 , 227, 286-97	9.4	142
216	Tumor hypoxia as a driving force in genetic instability. <i>Genome Integrity</i> , 2013 , 4, 5	0.8	140
215	Promyelocytic leukemia nuclear bodies behave as DNA damage sensors whose response to DNA double-strand breaks is regulated by NBS1 and the kinases ATM, Chk2, and ATR. <i>Journal of Cell Biology</i> , 2006 , 175, 55-66	7.3	135
214	Germline BRCA2 mutations drive prostate cancers with distinct evolutionary trajectories. <i>Nature Communications</i> , 2017 , 8, 13671	17.4	128
213	Phase II trial of hypofractionated image-guided intensity-modulated radiotherapy for localized prostate adenocarcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 69, 1084-9	4	119
212	The Evolutionary Landscape of Localized Prostate Cancers Drives Clinical Aggression. <i>Cell</i> , 2018 , 173, 1003-1013.e15	56.2	115
211	Combined-modality treatment of solid tumors using radiotherapy and molecular targeted agents. <i>Journal of Clinical Oncology</i> , 2003 , 21, 2760-76	2.2	115
210	A novel poly(ADP-ribose) polymerase inhibitor, ABT-888, radiosensitizes malignant human cell lines under hypoxia. <i>Radiotherapy and Oncology</i> , 2008 , 88, 258-68	5.3	114
209	Sequencing of prostate cancers identifies new cancer genes, routes of progression and drug targets. <i>Nature Genetics</i> , 2018 , 50, 682-692	36.3	112
208	miRNA-95 mediates radioresistance in tumors by targeting the sphingolipid phosphatase SGPP1. <i>Cancer Research</i> , 2013 , 73, 6972-86	10.1	111

207	TMPRSS2-ERG fusion co-opts master transcription factors and activates NOTCH signaling in primary prostate cancer. <i>Nature Genetics</i> , 2017 , 49, 1336-1345	36.3	105
206	Poly(ADP-ribose) polymerase inhibition as a model for synthetic lethality in developing radiation oncology targets. <i>Seminars in Radiation Oncology</i> , 2010 , 20, 274-81	5.5	104
205	PTEN deletion in prostate cancer cells does not associate with loss of RAD51 function: implications for radiotherapy and chemotherapy. <i>Clinical Cancer Research</i> , 2012 , 18, 1015-27	12.9	100
204	The p53 protein family and radiation sensitivity: Yes or no?. <i>Cancer and Metastasis Reviews</i> , 2004 , 23, 237-57	9.6	100
203	MRE11 promotes AKT phosphorylation in direct response to DNA double-strand breaks. <i>Cell Cycle</i> , 2011 , 10, 2218-32	4.7	99
202	Defective DNA strand break repair after DNA damage in prostate cancer cells: implications for genetic instability and prostate cancer progression. <i>Cancer Research</i> , 2004 , 64, 8526-33	10.1	99
201	A Prostate Cancer "Nimbusus": Genomic Instability and SChLAP1 Dysregulation Underpin Aggression of Intraductal and Cribriform Subpathologies. <i>European Urology</i> , 2017 , 72, 665-674	10.2	98
200	The Proteogenomic Landscape of Curable Prostate Cancer. <i>Cancer Cell</i> , 2019 , 35, 414-427.e6	24.3	97
199	Rnf8 deficiency impairs class switch recombination, spermatogenesis, and genomic integrity and predisposes for cancer. <i>Journal of Experimental Medicine</i> , 2010 , 207, 983-97	16.6	97
198	Androgen withdrawal in patients reduces prostate cancer hypoxia: implications for disease progression and radiation response. <i>Cancer Research</i> , 2007 , 67, 6022-5	10.1	96
197	Radiosensitization by gold nanoparticles: Will they ever make it to the clinic?. <i>Radiotherapy and Oncology</i> , 2017 , 124, 344-356	5.3	93
196	"Contextual" synthetic lethality and/or loss of heterozygosity: tumor hypoxia and modification of DNA repair. <i>Clinical Cancer Research</i> , 2010 , 16, 4553-60	12.9	91
195	Copy number alterations of c-MYC and PTEN are prognostic factors for relapse after prostate cancer radiotherapy. <i>Cancer</i> , 2012 , 118, 4053-62	6.4	90
194	Chronic hypoxia compromises repair of DNA double-strand breaks to drive genetic instability. <i>Journal of Cell Science</i> , 2012 , 125, 189-99	5.3	90
193	Evidence for the direct binding of phosphorylated p53 to sites of DNA breaks in vivo. <i>Cancer Research</i> , 2005 , 65, 10810-21	10.1	90
192	Genomic, pathological, and clinical heterogeneity as drivers of personalized medicine in prostate cancer. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2015 , 33, 85-94	2.8	89
191	Direct observation of ultrafast-electron-transfer reactions unravels high effectiveness of reductive DNA damage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 11778-83	11.5	89
190	Molecular Evolution of Early-Onset Prostate Cancer Identifies Molecular Risk Markers and Clinical Trajectories. <i>Cancer Cell</i> , 2018 , 34, 996-1011.e8	24.3	89

189	Comparing oxygen-sensitive MRI (BOLD R2*) with oxygen electrode measurements: a pilot study in men with prostate cancer. <i>International Journal of Radiation Biology</i> , 2009 , 85, 805-13	2.9	88
188	Targeting homologous recombination using imatinib results in enhanced tumor cell chemosensitivity and radiosensitivity. <i>Molecular Cancer Therapeutics</i> , 2009 , 8, 203-13	6.1	87
187	Radiation and new molecular agents part I: targeting ATM-ATR checkpoints, DNA repair, and the proteasome. <i>Seminars in Radiation Oncology</i> , 2006 , 16, 51-8	5.5	87
186	Inherently multimodal nanoparticle-driven tracking and real-time delineation of orthotopic prostate tumors and micrometastases. <i>ACS Nano</i> , 2013 , 7, 4221-32	16.7	85
185	The MMS22L-TONSL complex mediates recovery from replication stress and homologous recombination. <i>Molecular Cell</i> , 2010 , 40, 619-31	17.6	85
184	A randomized trial of supine vs. prone positioning in patients undergoing escalated dose conformal radiotherapy for prostate cancer. <i>Radiotherapy and Oncology</i> , 2004 , 70, 37-44	5.3	83
183	Characterization of mutant MUTYH proteins associated with familial colorectal cancer. <i>Gastroenterology</i> , 2008 , 135, 499-507	13.3	80
182	Long-term outcome of radiation-based conservation therapy for invasive bladder cancer. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2007 , 25, 303-9	2.8	76
181	ONECUT2 is a driver of neuroendocrine prostate cancer. <i>Nature Communications</i> , 2019 , 10, 278	17.4	72
180	Prostate cancer. <i>Nature Reviews Disease Primers</i> , 2021 , 7, 9	51.1	72
179	High-resolution array CGH identifies novel regions of genomic alteration in intermediate-risk prostate cancer. <i>Prostate</i> , 2009 , 69, 1091-100	4.2	71
178	Development and Validation of a 28-gene Hypoxia-related Prognostic Signature for Localized Prostate Cancer. <i>EBioMedicine</i> , 2018 , 31, 182-189	8.8	67
177	Tumor hypoxia, DNA repair and prostate cancer progression: new targets and new therapies. <i>Future Oncology</i> , 2007 , 3, 329-41	3.6	67
176	Combining precision radiotherapy with molecular targeting and immunomodulatory agents: a guideline by the American Society for Radiation Oncology. <i>Lancet Oncology, The</i> , 2018 , 19, e240-e251	21.7	66
175	Mitochondrial mutations drive prostate cancer aggression. <i>Nature Communications</i> , 2017 , 8, 656	17.4	66
174	Prostate cancer stem cells: deciphering the origins and pathways involved in prostate tumorigenesis and aggression. <i>Oncotarget</i> , 2015 , 6, 1900-19	3.3	65
173	Tumor cell kill by c-MYC depletion: role of MYC-regulated genes that control DNA double-strand break repair. <i>Cancer Research</i> , 2010 , 70, 8748-59	10.1	62
172	Alterations in DNA repair gene expression under hypoxia: elucidating the mechanisms of hypoxia-induced genetic instability. <i>Annals of the New York Academy of Sciences</i> , 2005 , 1059, 184-95	6.5	61

171	Changes in apparent diffusion coefficient and T2 relaxation during radiotherapy for prostate cancer. <i>Journal of Magnetic Resonance Imaging</i> , 2013 , 37, 909-16	5.6	60
170	Long non-coding RNA urothelial carcinoma associated 1 (UCA1) mediates radiation response in prostate cancer. <i>Oncotarget</i> , 2017 , 8, 4668-4689	3.3	58
169	Resveratrol enhances prostate cancer cell response to ionizing radiation. Modulation of the AMPK, Akt and mTOR pathways. <i>Radiation Oncology</i> , 2011 , 6, 144	4.2	58
168	DNA repair targeting and radiotherapy: a focus on the therapeutic ratio. <i>Seminars in Radiation Oncology</i> , 2010 , 20, 217-22	5.5	57
167	Role of Autophagy as a Survival Mechanism for Hypoxic Cells in Tumors. <i>Neoplasia</i> , 2016 , 18, 347-55	6.4	56
166	Association between germline HOXB13 G84E mutation and risk of prostate cancer. <i>Journal of the National Cancer Institute</i> , 2012 , 104, 1260-2	9.7	56
165	Nutlin-3 radiosensitizes hypoxic prostate cancer cells independent of p53. <i>Molecular Cancer Therapeutics</i> , 2008 , 7, 993-9	6.1	56
164	Hypoxia and Predicting Radiation Response. <i>Seminars in Radiation Oncology</i> , 2015 , 25, 260-72	5.5	54
163	Cribriiform and intraductal prostate cancer are associated with increased genomic instability and distinct genomic alterations. <i>BMC Cancer</i> , 2018 , 18, 8	4.8	54
162	Late residual gamma-H2AX foci in murine skin are dose responsive and predict radiosensitivity in vivo. <i>Radiation Research</i> , 2010 , 173, 1-9	3.1	54
161	Homologous recombination and prostate cancer: a model for novel DNA repair targets and therapies. <i>Radiotherapy and Oncology</i> , 2007 , 83, 220-30	5.3	53
160	Integrated genome and transcriptome sequencing identifies a novel form of hybrid and aggressive prostate cancer. <i>Journal of Pathology</i> , 2012 , 227, 53-61	9.4	51
159	Treatment of radiation proctitis with hyperbaric oxygen. <i>Radiotherapy and Oncology</i> , 2006 , 78, 91-4	5.3	50
158	Optimal treatment of intermediate-risk prostate carcinoma with radiotherapy: clinical and translational issues. <i>Cancer</i> , 2005 , 104, 891-905	6.4	49
157	Image guided dose escalated prostate radiotherapy: still room to improve. <i>Radiation Oncology</i> , 2009 , 4, 50	4.2	48
156	Synergistic nanoparticulate drug combination overcomes multidrug resistance, increases efficacy, and reduces cardiotoxicity in a nonimmunocompromised breast tumor model. <i>Molecular Pharmaceutics</i> , 2014 , 11, 2659-74	5.6	47
155	Divergent mutational processes distinguish hypoxic and normoxic tumours. <i>Nature Communications</i> , 2020 , 11, 737	17.4	46
154	The Future of Radiobiology. <i>Journal of the National Cancer Institute</i> , 2018 , 110, 329-340	9.7	46

153	A role for p53 in the response of bystander cells to receipt of medium borne signals from irradiated cells. <i>International Journal of Radiation Biology</i> , 2011 , 87, 1120-5	2.9	46
152	Hypoxia and cellular localization influence the radiosensitizing effect of gold nanoparticles (AuNPs) in breast cancer cells. <i>Radiation Research</i> , 2014 , 182, 475-88	3.1	45
151	Microscopic imaging of DNA repair foci in irradiated normal tissues. <i>International Journal of Radiation Biology</i> , 2009 , 85, 732-46	2.9	45
150	A cinematic magnetic resonance imaging study of milk of magnesia laxative and an antiflatulent diet to reduce intrafraction prostate motion. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 77, 1072-8	4	45
149	Pathological predictors for site of local recurrence after radiotherapy for prostate cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012 , 82, e441-8	4	44
148	ShatterProof: operational detection and quantification of chromothripsis. <i>BMC Bioinformatics</i> , 2014 , 15, 78	3.6	42
147	Longitudinal cytokine expression during IMRT for prostate cancer and acute treatment toxicity. <i>Clinical Cancer Research</i> , 2009 , 15, 5576-83	12.9	41
146	Not all gleason pattern 4 prostate cancers are created equal: A study of latent prostatic carcinomas in a cystoprostatectomy and autopsy series. <i>Prostate</i> , 2015 , 75, 1277-84	4.2	40
145	Discordance between phosphorylation and recruitment of 53BP1 in response to DNA double-strand breaks. <i>Cell Cycle</i> , 2012 , 11, 1432-44	4.7	40
144	A cancer specific hypermethylation signature of the TERT promoter predicts biochemical relapse in prostate cancer: a retrospective cohort study. <i>Oncotarget</i> , 2016 , 7, 57726-57736	3.3	40
143	In vivo studies of the PARP inhibitor, AZD-2281, in combination with fractionated radiotherapy: An exploration of the therapeutic ratio. <i>Radiotherapy and Oncology</i> , 2015 , 116, 486-94	5.3	39
142	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
141	AZD5438, an inhibitor of Cdk1, 2, and 9, enhances the radiosensitivity of non-small cell lung carcinoma cells. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012 , 84, e507-14	4	39
140	NKX3.1 haploinsufficiency is prognostic for prostate cancer relapse following surgery or image-guided radiotherapy. <i>Clinical Cancer Research</i> , 2012 , 18, 308-16	12.9	38
139	Radioreistant MTP53-expressing rat embryo cell transformants exhibit increased DNA-dsb rejoining during exposure to ionizing radiation. <i>Oncogene</i> , 1998 , 16, 1789-802	9.2	37
138	The influence of BRCA2 mutation on localized prostate cancer. <i>Nature Reviews Urology</i> , 2019 , 16, 281-295	5	36
137	Comment on "Tumor response to radiotherapy regulated by endothelial cell apoptosis" (II). <i>Science</i> , 2003 , 302, 1894; author reply 1894	33.3	35
136	MR-guided prostate biopsy for planning of focal salvage after radiation therapy. <i>Radiology</i> , 2015 , 274, 181-91	20.5	34

135	TPRSS2-ERG status is not prognostic following prostate cancer radiotherapy: implications for fusion status and DSB repair. <i>Clinical Cancer Research</i> , 2013 , 19, 5202-9	12.9	34
134	Analysis of variants in DNA damage signalling genes in bladder cancer. <i>BMC Medical Genetics</i> , 2008 , 9, 69	2.1	34
133	Significant Radiation Enhancement Effects by Gold Nanoparticles in Combination with Cisplatin in Triple Negative Breast Cancer Cells and Tumor Xenografts. <i>Radiation Research</i> , 2017 , 187, 147-160	3.1	33
132	Ionizing radiation regulates the expression of AMP-activated protein kinase (AMPK) in epithelial cancer cells: modulation of cellular signals regulating cell cycle and survival. <i>Radiotherapy and Oncology</i> , 2012 , 102, 459-65	5.3	33
131	Protease nexin 1 inhibits hedgehog signaling in prostate adenocarcinoma. <i>Journal of Clinical Investigation</i> , 2012 , 122, 4025-36	15.9	33
130	WNT activation by lithium abrogates TP53 mutation associated radiation resistance in medulloblastoma. <i>Acta Neuropathologica Communications</i> , 2014 , 2, 174	7.3	32
129	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
128	PRIMA-1(met) radiosensitizes prostate cancer cells independent of their MTP53-status. <i>Radiotherapy and Oncology</i> , 2008 , 86, 407-11	5.3	32
127	Novel chemical enhancers of heat shock increase thermal radiosensitization through a mitotic catastrophe pathway. <i>Cancer Research</i> , 2007 , 67, 695-701	10.1	32
126	Linking the history of radiation biology to the hallmarks of cancer. <i>Radiation Research</i> , 2014 , 181, 561-77	3.1	31
125	Biomarkers for DNA DSB inhibitors and radiotherapy clinical trials. <i>Cancer and Metastasis Reviews</i> , 2008 , 27, 445-58	9.6	31
124	Synergistic action of image-guided radiotherapy and androgen deprivation therapy. <i>Nature Reviews Urology</i> , 2015 , 12, 193-204	5.5	30
123	Detection of genetic instability at HER-2/neu and p53 loci in breast cancer cells using Comet-FISH. <i>Breast Cancer Research and Treatment</i> , 2005 , 91, 89-93	4.4	30
122	Imatinib radiosensitizes bladder cancer by targeting homologous recombination. <i>Cancer Research</i> , 2013 , 73, 1611-20	10.1	29
121	Electron transfer-based combination therapy of cisplatin with tetramethyl-p-phenylenediamine for ovarian, cervical, and lung cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 10175-80	11.5	29
120	Translating a Prognostic DNA Genomic Classifier into the Clinic: Retrospective Validation in 563 Localized Prostate Tumors. <i>European Urology</i> , 2017 , 72, 22-31	10.2	28
119	The receptor tyrosine kinase inhibitor amuvatinib (MP470) sensitizes tumor cells to radio- and chemo-therapies in part by inhibiting homologous recombination. <i>Radiotherapy and Oncology</i> , 2011 , 101, 59-65	5.3	28
118	Array CGH as a potential predictor of radiocurability in intermediate risk prostate cancer. <i>Acta Oncologica</i> , 2010 , 49, 888-94	3.2	28

117	Tumor hypoxia as a modifier of DNA strand break and cross-link repair. <i>Current Molecular Medicine</i> , 2009 , 9, 401-10	2.5	28
116	Prostate cancer. <i>Lancet, The</i> , 2021 , 398, 1075-1090	40	28
115	Oxygen-enhanced MRI Is Feasible, Repeatable, and Detects Radiotherapy-induced Change in Hypoxia in Xenograft Models and in Patients with Non-small Cell Lung Cancer. <i>Clinical Cancer Research</i> , 2019 , 25, 3818-3829	12.9	26
114	Intratumoral hypoxia as the genesis of genetic instability and clinical prognosis in prostate cancer. <i>Advances in Experimental Medicine and Biology</i> , 2014 , 772, 189-204	3.6	26
113	Genome-wide germline correlates of the epigenetic landscape of prostate cancer. <i>Nature Medicine</i> , 2019 , 25, 1615-1626	50.5	25
112	NBN gain is predictive for adverse outcome following image-guided radiotherapy for localized prostate cancer. <i>Oncotarget</i> , 2014 , 5, 11081-90	3.3	25
111	Patient-specific PTV margins in radiotherapy for bladder cancer - a feasibility study using cone beam CT. <i>Radiotherapy and Oncology</i> , 2011 , 99, 131-6	5.3	24
110	A phase I trial of pre-operative radiotherapy for prostate cancer: clinical and translational studies. <i>Radiotherapy and Oncology</i> , 2008 , 88, 53-60	5.3	24
109	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
108	Role of principal component analysis in predicting toxicity in prostate cancer patients treated with hypofractionated intensity-modulated radiation therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 81, e415-21	4	23
107	Neoadjuvant radiotherapy for locally advanced and high-risk prostate cancer. <i>Nature Reviews Clinical Oncology</i> , 2011 , 8, 107-13	19.4	23
106	A randomized comparison of interfraction and intrafraction prostate motion with and without abdominal compression. <i>Radiotherapy and Oncology</i> , 2008 , 88, 88-94	5.3	23
105	Sex differences in oncogenic mutational processes. <i>Nature Communications</i> , 2020 , 11, 4330	17.4	23
104	Primary esophageal and gastro-esophageal junction cancer xenograft models: clinicopathological features and engraftment. <i>Laboratory Investigation</i> , 2013 , 93, 397-407	5.9	22
103	Recurrent prostate cancer following external beam radiotherapy: follow-up strategies and management. <i>Urologic Clinics of North America</i> , 2003 , 30, 751-63	2.9	22
102	Education and training for radiation scientists: radiation research program and American Society of Therapeutic Radiology and Oncology Workshop, Bethesda, Maryland, May 12-14, 2003. <i>Radiation Research</i> , 2003 , 160, 729-37	3.1	22
101	Male BRCA1 and BRCA2 mutation carriers: a pilot study investigating medical characteristics of patients participating in a prostate cancer prevention clinic. <i>Prostate</i> , 2005 , 65, 124-9	4.2	22
100	Noncoding mutations target cis-regulatory elements of the FOXA1 plexus in prostate cancer. <i>Nature Communications</i> , 2020 , 11, 441	17.4	21

99	Dual Action Enhancement of Gold Nanoparticle Radiosensitization by Pentamidine in Triple Negative Breast Cancer. <i>Radiation Research</i> , 2016 , 185, 549-62	3.1	21
98	Nanoparticle-Enabled Selective Destruction of Prostate Tumor Using MRI-Guided Focal Photothermal Therapy. <i>Prostate</i> , 2016 , 76, 1169-81	4.2	21
97	Cistrome Partitioning Reveals Convergence of Somatic Mutations and Risk Variants on Master Transcription Regulators in Primary Prostate Tumors. <i>Cancer Cell</i> , 2019 , 36, 674-689.e6	24.3	21
96	Phase 1B study of amuvatinib in combination with five standard cancer therapies in adults with advanced solid tumors. <i>Cancer Chemotherapy and Pharmacology</i> , 2014 , 74, 195-204	3.5	21
95	MATE2 Expression Is Associated with Cancer Cell Response to Metformin. <i>PLoS ONE</i> , 2016 , 11, e0165214	3.7	21
94	Investigations of antioxidant-mediated protection and mitigation of radiation-induced DNA damage and lipid peroxidation in murine skin. <i>International Journal of Radiation Biology</i> , 2013 , 89, 618-27 ⁹	2.9	20
93	Resistance to DNA-damaging agents is discordant from experimental metastatic capacity in MEF ras-transformants-expressing gain of function MTP53. <i>Oncogene</i> , 2003 , 22, 2960-6	9.2	20
92	Genomic Classifier for Guiding Treatment of Intermediate-Risk Prostate Cancers to Dose-Escalated Image Guided Radiation Therapy Without Hormone Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019 , 103, 84-91	4	20
91	Effects of Combined Treatment with Ionizing Radiation and the PARP Inhibitor Olaparib in BRCA Mutant and Wild Type Patient-Derived Pancreatic Cancer Xenografts. <i>PLoS ONE</i> , 2016 , 11, e0167272	3.7	18
90	Neoadjuvant Chemotherapy Before Bladder-Sparing Chemoradiotherapy in Patients With Nonmetastatic Muscle-Invasive Bladder Cancer. <i>Clinical Genitourinary Cancer</i> , 2019 , 17, 38-45	3.3	18
89	Phase 2 trial of guideline-based postoperative image guided intensity modulated radiation therapy for prostate cancer: Toxicity, biochemical, and patient-reported health-related quality-of-life outcomes. <i>Practical Radiation Oncology</i> , 2015 , 5, e473-e482	2.8	17
88	Long-term outcomes of a phase II trial of moderate hypofractionated image-guided intensity modulated radiotherapy (IG-IMRT) for localized prostate cancer. <i>Radiotherapy and Oncology</i> , 2017 , 122, 93-98	5.3	17
87	Resistance to bleomycin in cancer cell lines is characterized by prolonged doubling time, reduced DNA damage and evasion of G2/M arrest and apoptosis. <i>PLoS ONE</i> , 2013 , 8, e82363	3.7	17
86	ATM-dependent phosphorylation of 53BP1 in response to genomic stress in oxic and hypoxic cells. <i>Radiotherapy and Oncology</i> , 2011 , 99, 307-12	5.3	17
85	Expression of different mutant p53 transgenes in neuroblastoma cells leads to different cellular responses to genotoxic agents. <i>Experimental Cell Research</i> , 2002 , 275, 122-31	4.2	17
84	Appropriateness of using patient-derived xenograft models for pharmacologic evaluation of novel therapies for esophageal/gastro-esophageal junction cancers. <i>PLoS ONE</i> , 2015 , 10, e0121872	3.7	17
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