

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.

129
papers

6,767
citations

45
h-index

79
g-index

130
ext. papers

7,078
ext. citations

4
avg, IF

5.33
L-index

#	Paper	IF	Citations
129	Oxygenation predicts radiation response and survival in patients with cervix cancer. <i>Radiotherapy and Oncology</i> , 1998 , 48, 149-56	5.3	526
128	Carnitine palmitoyltransferase 1C promotes cell survival and tumor growth under conditions of metabolic stress. <i>Genes and Development</i> , 2011 , 25, 1041-51	12.6	324
127	Hypoxia induces DNA overreplication and enhances metastatic potential of murine tumor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988 , 85, 9533-7	11.5	323
126	Tumor hypoxia has independent predictor impact only in patients with node-negative cervix cancer. <i>Journal of Clinical Oncology</i> , 2002 , 20, 680-7	2.2	314
125	Molecular mechanisms of tumor invasion and metastasis: an integrated view. <i>Current Molecular Medicine</i> , 2003 , 3, 659-71	2.5	217
124	Acute (cyclic) hypoxia enhances spontaneous metastasis of KHT murine tumors. <i>Cancer Research</i> , 2001 , 61, 8903-8	10.1	203
123	The p53 gene as a modifier of intrinsic radiosensitivity: implications for radiotherapy. <i>Radiotherapy and Oncology</i> , 1996 , 40, 197-223	5.3	163
122	Partial volume rat lung irradiation: an evaluation of early DNA damage. <i>International Journal of Radiation Oncology Biology Physics</i> , 1998 , 40, 467-76	4	140
121	Glucose starvation and acidosis: effect on experimental metastatic potential, DNA content and MTX resistance of murine tumour cells. <i>British Journal of Cancer</i> , 1991 , 64, 663-70	8.7	140
120	Characterization of image quality and image-guidance performance of a preclinical microirradiator. <i>Medical Physics</i> , 2011 , 38, 845-56	4.4	131
119	"Destemming" cancer stem cells. <i>Journal of the National Cancer Institute</i> , 2007 , 99, 1435-40	9.7	127
118	Exposure to hypoxia, glucose starvation and acidosis: effect on invasive capacity of murine tumor cells and correlation with cathepsin (L + B) secretion. <i>Clinical and Experimental Metastasis</i> , 1997 , 15, 19-25	4.7	124
117	Dynamic heterogeneity: rapid generation of metastatic variants in mouse B16 melanoma cells. <i>Science</i> , 1984 , 224, 998-1001	33.3	123
116	The importance of the pre-irradiation breathing times of oxygen and carbogen (5% CO ₂ : 95% O ₂) on the in vivo radiation response of a murine sarcoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 1977 , 2, 903-11	4	117
115	Anemia, hypoxia and transfusion in patients with cervix cancer: a review. <i>Radiotherapy and Oncology</i> , 2000 , 57, 13-9	5.3	114
114	Effects of reoxygenation on cells from hypoxic regions of solid tumors: anticancer drug sensitivity and metastatic potential. <i>Journal of the National Cancer Institute</i> , 1990 , 82, 371-80	9.7	111
113	The proportion of stem cells in murine tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 1989 , 16, 513-8	4	105

112	The relationship between elevated interstitial fluid pressure and blood flow in tumors: a bioengineering analysis. <i>International Journal of Radiation Oncology Biology Physics</i> , 1999 , 43, 1111-23	4	101
111	Metastatic variants are generated spontaneously at a high rate in mouse KHT tumor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1982 , 79, 5547-51	11.5	101
110	A lung-colony assay to determine the radiosensitivity of cells of a solid tumour. <i>International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine</i> , 1969 , 15, 435-44		99
109	The effect of anaemia on the fraction of hypoxic cells in an experimental tumour. <i>British Journal of Radiology</i> , 1971 , 44, 299-304	3.4	97
108	Analysis of genomic integrity and p53-dependent G1 checkpoint in telomerase-induced extended-life-span human fibroblasts. <i>Molecular and Cellular Biology</i> , 1999 , 19, 2373-9	4.8	90
107	Quantitative genetic analysis of tumor progression. <i>Cancer and Metastasis Reviews</i> , 1985 , 4, 173-92	9.6	80
106	Interstitial fluid pressure in cervical carcinoma: within tumor heterogeneity, and relation to oxygen tension. <i>Cancer</i> , 1998 , 82, 2418-26	6.4	77
105	Comparison between in vitro radiosensitivity and in vivo radioresponse in murine tumor cell lines. II: In vivo radioresponse following fractionated treatment and in vitro/in vivo correlations. <i>International Journal of Radiation Oncology Biology Physics</i> , 1990 , 18, 331-45	4	72
104	The response of hypoxic B16 melanoma cells to in vivo treatment with chemotherapeutic agents. <i>Cancer Research</i> , 1975 , 35, 1147-53	10.1	72
103	Normal tissue radiobiology: from the laboratory to the clinic. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001 , 49, 353-65	4	71
102	Relationship of hypoxia to metastatic ability in rodent tumours. <i>British Journal of Cancer</i> , 2001 , 84, 1280-7	5.7	70
101	Radiation effects on the respiratory system. <i>British Journal of Radiology</i> , 2005 , Supplement_27, 75-81	3.4	68
100	Cell cycle distribution of chronically hypoxic cells and determination of the clonogenic potential of cells accumulated in G2 + M phases after irradiation of a solid tumor in vivo. <i>Cancer Research</i> , 1979 , 39, 1891-7	10.1	67
99	Heterogeneity of polarographic oxygen tension measurements in cervix cancer: an evaluation of within and between tumor variability, probe position, and track depth. <i>International Journal of Radiation Oncology Biology Physics</i> , 1997 , 39, 405-12	4	64
98	Differential thermal sensitivity of tumour and normal tissue microvascular response during hyperthermia. <i>International Journal of Hyperthermia</i> , 1992 , 8, 501-14	3.7	60
97	Tumor progression: potential role of unstable genomic changes. <i>Cancer and Metastasis Reviews</i> , 1990 , 9, 137-47	9.6	60
96	Combining bioreductive drugs (SR 4233 or SN 23862) with the vasoactive agents flavone acetic acid or 5,6-dimethylxanthenone acetic acid. <i>International Journal of Radiation Oncology Biology Physics</i> , 1994 , 29, 373-7	4	58
95	Sensitizers and radiation dose fractionation: results and interpretations. <i>International Journal of Radiation Oncology Biology Physics</i> , 1986 , 12, 1049-54	4	58

94	An examination of the effects of hypoxia, acidosis, and glucose starvation on the expression of metastasis-associated genes in murine tumor cells. <i>Clinical and Experimental Metastasis</i> , 1997 , 15, 469-83	4.7	55
93	Factors affecting hypoxic KHT tumor cells in mice breathing O ₂ , O ₂ + CO ₂ , or hyperbaric oxygen with or without anesthesia. <i>Radiology</i> , 1973 , 106, 663-71	20.5	54
92	Generation of drug-resistant variants in metastatic B16 mouse melanoma cell lines. <i>Cancer Research</i> , 1987 , 47, 2604-8	10.1	54
91	Mutant p53 increases radioresistance in rat embryo fibroblasts simultaneously transfected with HPV16-E7 and/or activated H-ras. <i>Oncogene</i> , 1994 , 9, 1527-36	9.2	54
90	Linear-quadratic model underestimates sparing effect of small doses per fraction in rat spinal cord. <i>Radiotherapy and Oncology</i> , 1992 , 23, 176-84	5.3	53
89	Tumor heterogeneity and stability of the metastatic phenotype of mouse KHT sarcoma cells. <i>Cancer Research</i> , 1981 , 41, 1368-72	10.1	53
88	Cervix cancer oxygenation measured following external radiation therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 1998 , 42, 751-3	4	49
87	Comparison between in vitro radiosensitivity and in vivo radioresponse of murine tumor cell lines. I: Parameters of in vitro radiosensitivity and endogenous cellular glutathione levels. <i>International Journal of Radiation Oncology Biology Physics</i> , 1990 , 18, 133-45	4	48
86	A comparison in individual murine tumors of techniques for measuring oxygen levels. <i>International Journal of Radiation Oncology Biology Physics</i> , 1999 , 44, 1137-46	4	46
85	Analysis of the intra- and intertumoral heterogeneity of hypoxia in pancreatic cancer patients receiving the nitroimidazole tracer pimonidazole. <i>British Journal of Cancer</i> , 2015 , 113, 864-71	8.7	45
84	Heterogeneity of tumor oxygenation: relationship to tumor necrosis, tumor size, and metastasis. <i>International Journal of Radiation Oncology Biology Physics</i> , 1998 , 42, 717-21	4	45
83	Post-irradiation lung density changes measured by computerized tomography. <i>International Journal of Radiation Oncology Biology Physics</i> , 1983 , 9, 847-52	4	45
82	Combined radiotherapy--chemotherapy of Lewis lung carcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 1978 , 4, 49-52	4	44
81	In-field and out-of-field effects in partial volume lung irradiation in rodents: possible correlation between early dna damage and functional endpoints. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000 , 48, 1539-48	4	43
80	A quantitative analysis of the reduction in oxygen levels required to induce up-regulation of vascular endothelial growth factor (VEGF) mRNA in cervical cancer cell lines. <i>British Journal of Cancer</i> , 1999 , 80, 1518-24	8.7	43
79	Evaluation of isoeffect formulae for predicting radiation-induced lung damage. <i>Radiotherapy and Oncology</i> , 1993 , 26, 51-63	5.3	43
78	Biologic discussions augmenting radiation effects and model systems. <i>Laryngoscope</i> , 1975 , 85, 1119-33	3.6	43
77	Enhanced metastatic dissemination to multiple organs by melanoma and lymphoma cells in timp-3 ^{-/-} mice. <i>Oncogene</i> , 2006 , 25, 6489-96	9.2	42

76	The effect of continuous or fractionated irradiation on a murine sarcoma. <i>British Journal of Radiology</i> , 1973 , 46, 167-74	3.4	42
75	Smoking: the influence of carboxyhemoglobin (HbCO) on tumor oxygenation and response to radiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 1978 , 4, 657-62	4	41
74	Studies of the in vivo and in vitro cytotoxicity of the drug RSU-1069. <i>British Journal of Cancer</i> , 1986 , 53, 743-51	8.7	39
73	Dynamic heterogeneity and metastasis. <i>Journal of Cellular Physiology</i> , 1984 , 3, 99-103	7	37
72	The potential role of HSP70 as an indicator of response to radiation and hyperthermia treatments for recurrent breast cancer. <i>International Journal of Hyperthermia</i> , 1996 , 12, 197-208; discussion 209-10	3.7	36
71	Intradermal injection of autologous dermal fibroblasts improves wound healing in irradiated skin. <i>Journal of Surgical Research</i> , 1999 , 85, 331-8	2.5	35
70	The in vivo radiation response of an experimental tumor: the effect of exposing tumor-bearing mice to a reduced oxygen environment prior to but not during irradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 1979 , 5, 61-8	4	34
69	The relationship between mouse arterial partial pressure of oxygen (PaO ₂) and the effectiveness of localized tumour irradiation. <i>British Journal of Radiology</i> , 1975 , 48, 662-7	3.4	34
68	Dynamic heterogeneity: isolation of murine tumor cell populations enriched for metastatic variants and quantification of the unstable expression of the phenotype. <i>Clinical and Experimental Metastasis</i> , 1986 , 4, 153-76	4.7	32
67	The response of C3H mammary tumours to irradiation in single and fractionated doses. <i>British Journal of Radiology</i> , 1968 , 41, 134-41	3.4	32
66	Mitigation of radiation-induced lung injury with EUK-207 and genistein: effects in adolescent rats. <i>Radiation Research</i> , 2013 , 179, 125-34	3.1	31
65	Re-irradiation tolerance in the rat spinal cord: influence of level of initial damage. <i>Radiotherapy and Oncology</i> , 1993 , 26, 132-8	5.3	31
64	Radiation sensitivity of tumour cells stained in vitro or in vivo with the bisbenzimidazole fluorochrome Hoechst 33342. <i>British Journal of Cancer</i> , 1989 , 60, 715-21	8.7	31
63	Tumor biology. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 1988 , 11, 253-74	2.7	29
62	Effect of tumor blood flow manipulations on radiation response. <i>International Journal of Radiation Oncology Biology Physics</i> , 1983 , 9, 1321-5	4	27
61	pH, hypoxia and metastasis. <i>Novartis Foundation Symposium</i> , 2001 , 240, 154-65; discussion 165-8		26
60	The p53-mediated G1 checkpoint is retained in tumorigenic rat embryo fibroblast clones transformed by the human papillomavirus type 16 E7 gene and EJ-ras. <i>Molecular and Cellular Biology</i> , 1995 , 15, 1446-54	4.8	26
59	Dose fractionation studies with a murine sarcoma under conditions of air or carbogen (95% O ₂ + 5% CO ₂) breathing. <i>International Journal of Radiation Oncology Biology Physics</i> , 1977 , 2, 913-9	4	26

58	Mitigation of lung injury after accidental exposure to radiation. <i>Radiation Research</i> , 2011 , 176, 770-80	3.1	25
57	Effects of tumour acidification with glucose+MIBG on the spontaneous metastatic potential of two murine cell lines. <i>British Journal of Cancer</i> , 2004 , 90, 1842-9	8.7	25
56	Repopulation kinetics during fractionated irradiation and the relationship to the potential doubling time, Tpot. <i>International Journal of Radiation Oncology Biology Physics</i> , 1995 , 31, 847-56	4	25
55	Response of mouse lung to irradiation at different dose-rates. <i>International Journal of Radiation Oncology Biology Physics</i> , 1983 , 9, 1043-7	4	25
54	Rapid phenotype variation in cells derived from lung metastases of KHT fibrosarcoma. <i>Invasion & Metastasis</i> , 1984 , 4, 225-37		25
53	Hypoxia signaling and the metastatic phenotype. <i>Current Molecular Medicine</i> , 2014 , 14, 565-79	2.5	25
52	Gene expression in individual cells: analysis using global single cell reverse transcription polymerase chain reaction (GSC RT-PCR). <i>Mutation Research - Mutation Research Genomics</i> , 1999 , 406, 45-54		24
51	The Effect of Intercellular Contact on the Radiation Sensitivity of KHT Sarcoma Cells. <i>Radiation Research</i> , 1979 , 77, 182	3.1	24
50	A New Method of Determining the Fraction of Hypoxic Cells in a Transplantable Murine Sarcoma. <i>Radiation Research</i> , 1977 , 70, 141	3.1	24
49	Re-irradiation tolerance of rat spinal cord to fractionated X-ray doses. <i>Radiotherapy and Oncology</i> , 1993 , 28, 197-202	5.3	20
48	The lung-colony assay: extension to the Lewis lung tumour and the B16 melanoma--radiosensitivity of B16 melanoma cells. <i>International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine</i> , 1975 , 27, 377-87		19
47	The effects of clamping and reoxygenation on repopulation during fractionated irradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 1995 , 31, 857-63	4	17
46	Radiobiological Studies of Cells in Multicellular Spheroids Using a Sequential Trypsinization Technique. <i>Radiation Research</i> , 1981 , 86, 368	3.1	16
45	Effects of reoxygenation on cells from hypoxic regions of solid tumors: analysis of transplanted murine tumors for evidence of DNA overreplication. <i>Cancer Research</i> , 1990 , 50, 5031-8	10.1	16
44	Is there a relationship between repopulation and hypoxia/reoxygenation? Results from human carcinoma of the cervix. <i>International Journal of Radiation Biology</i> , 2003 , 79, 487-94	2.9	14
43	The development of improved ultrasound heaters suitable for superficial tissue heating. <i>Medical Physics</i> , 1982 , 9, 888-97	4.4	14
42	The effect of intercellular contact on the radiation sensitivity of KHT sarcoma cells. <i>Radiation Research</i> , 1979 , 77, 182-92	3.1	14
41	Comparing techniques of measuring tumor hypoxia in different murine tumors: Eppendorf pO2 Histogram, [3H]misonidazole binding and paired survival assay. <i>Radiation Research</i> , 1996 , 145, 491-500	3.1	14

40	A comparison of the response of tumour and normal tissue in the mouse exposed to single doses of fast neutrons or electrons. <i>British Journal of Radiology</i> , 1970 , 43, 894-7	3.4	13
39	Dynamic heterogeneity: characterization of two cell lines derived from experimental lung metastases of mouse KHT fibrosarcoma. <i>Invasion & Metastasis</i> , 1987 , 7, 217-29		13
38	Drug resistance in KHT fibrosarcoma cell lines with different metastatic ability. <i>International Journal of Cancer</i> , 1989 , 43, 107-11	7.5	12
37	An appraisal of in vivo assays of excised tumours. <i>The British Journal of Cancer Supplement</i> , 1980 , 4, 230-9		12
36	Effect of small doses per fraction in rat spinal cord: influence of initial vs. final top-up doses. <i>Radiotherapy and Oncology</i> , 1993 , 28, 52-6	5.3	11
35	Observations of thermal gradients in perfused tissues during water bath heating. <i>International Journal of Hyperthermia</i> , 1992 , 8, 275-87	3.7	11
34	The relationship between thermosensitivity and intracellular pH in cells deficient in Na ⁺ /H ⁺ antiport function. <i>Radiotherapy and Oncology</i> , 1996 , 40, 75-83	5.3	10
33	P53-mediated radioresistance does not correlate with metastatic potential in tumorigenic rat embryo cell lines following oncogene transfection. <i>International Journal of Radiation Oncology Biology Physics</i> , 1996 , 34, 341-55	4	10
32	Radiofrequency capacitive heaters: the effect of coupling medium resistivity on power absorption along a mouse leg. <i>Physics in Medicine and Biology</i> , 1993 , 38, 1-12	3.8	10
31	Radiation-Induced Changes in the in Vivo Growth Rate of KHT Sarcoma Cells: Implications for the Comparison of Growth Delay and Cell Survival. <i>Radiation Research</i> , 1980 , 83, 99	3.1	10
30	Dynamics of micronuclei in rat skin fibroblasts after X irradiation. <i>Radiation Research</i> , 2009 , 172, 106-13	3.1	9
29	Response of rat spinal cord to very small doses per fraction: lack of enhanced radiosensitivity. <i>Radiotherapy and Oncology</i> , 1995 , 36, 44-9	5.3	9
28	The Relationship between Intracellular pH and Heat Sensitivity in a Thermoresistant Cell Line. <i>Radiation Research</i> , 1996 , 145, 144	3.1	9
27	The effect of heat on Na ⁺ /H ⁺ antiport function and survival in mammalian cells. <i>International Journal of Radiation Oncology Biology Physics</i> , 1996 , 34, 623-34	4	9
26	Effect of vascular occlusion on tumour temperatures during superficial hyperthermia. <i>International Journal of Hyperthermia</i> , 1994 , 10, 495-505	3.7	9
25	Radiation-induced lung damage in rats: the influence of fraction spacing on effect per fraction. <i>International Journal of Radiation Oncology Biology Physics</i> , 1994 , 28, 633-40	4	9
24	The effects of artery occlusion on temperature homogeneity during hyperthermia in rabbit kidneys in vivo. <i>International Journal of Hyperthermia</i> , 1997 , 13, 21-37	3.7	8
23	Toxicity of RSU-1069 for KHT cells treated in vivo or in vitro: evidence for a diffusible toxic product. <i>International Journal of Radiation Oncology Biology Physics</i> , 1989 , 16, 1111-4	4	8

22	Combined nitrogen mustard--radiation studies with a mouse tumor. <i>International Journal of Radiation Oncology Biology Physics</i> , 1979 , 5, 1611-6	4	7
21	Animal age: a factor influencing the time of death following local thoracic irradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 1979 , 5, 2069-72	4	7
20	A new method of determining the fraction of hypoxic cells in a transplantable murine sarcoma. <i>Radiation Research</i> , 1977 , 70, 141-53	3.1	7
19	Drug sensitivity and metastatic ability in B16 melanoma cells. <i>Clinical and Experimental Metastasis</i> , 1991 , 9, 393-402	4.7	6
18	Ultrasonic measurements of breathing rate in rats and computer assisted analysis. <i>International Journal of Radiation Oncology Biology Physics</i> , 1993 , 27, 651-7	4	6
17	A comparison of the rate of clearance of xenon (¹³³ Xe) and pertechnetate ion (^{99m} TcO ₄ ⁻) in murine tumors and normal leg muscles. <i>International Journal of Radiation Applications and Instrumentation Part B, Nuclear Medicine and Biology</i> , 1988 , 15, 381-90		6
16	Relationship of tumor blood flow with radiation and drug response. <i>International Journal of Radiation Oncology Biology Physics</i> , 1979 , 5, 1767-72	4	6
15	Letter: Studies of the radiosensitizing action in vivo of 2,2,6,6, tetramethyl-4-piperidinol-N-oxyl (TMPN). <i>International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine</i> , 1975 , 27, 499-501		6
14	The effect of chronic reductions in the arterial partial pressure of oxygen on the radiation response of an experimental tumour. <i>British Journal of Radiology</i> , 1978 , 51, 992-6	3.4	6
13	Hypoxia and the radiation response of tumors. <i>Advances in Experimental Medicine and Biology</i> , 1983 , 159, 17-35	3.6	6
12	Initial studies of hypoxic radioprotection by deoxygenated dextran-hemoglobin. <i>International Journal of Radiation Oncology Biology Physics</i> , 1984 , 10, 369-73	4	5
11	Radiation dose fractionation studies with hypoxic cell radiosensitizers using a murine tumor. <i>International Journal of Radiation Oncology Biology Physics</i> , 1982 , 8, 483-5	4	5
10	The role of magnetic resonance for assessing radiation-induced lung damage. <i>International Journal of Radiation Oncology Biology Physics</i> , 1994 , 30, 125-32	4	4
9	Dynamic heterogeneity: experimental metastasis studies with RIF-1 fibrosarcoma. <i>Clinical and Experimental Metastasis</i> , 1989 , 7, 107-16	4.7	4
8	Radiation-induced changes in the in vivo growth rate of KHT sarcoma cells: implications for the comparison of growth delay and cell survival. <i>Radiation Research</i> , 1980 , 83, 99-108	3.1	4
7	The effect of misonidazole in combination with radiation dose fractionation. <i>The British Journal of Cancer Supplement</i> , 1978 , 3, 255-8		4
6	Effect of simultaneous pulsed hyperthermia and pulsed radiation treatment on survival of SiHa cells. <i>International Journal of Hyperthermia</i> , 1998 , 14, 573-81	3.7	3
5	Biophysical basis of hypoxic radioprotection by deoxygenated dextran-hemoglobin. <i>International Journal of Radiation Oncology Biology Physics</i> , 1986 , 12, 1303-6	4	3

4	Myelopathy and hyperfractionated accelerated radiotherapy: a radiobiological interpretation. <i>Recent Results in Cancer Research</i> , 1993 , 130, 189-97	1.5	3
3	Clonal heterogeneity in plasminogen activator activity produced by two murine tumor cell lines. <i>Clinical and Experimental Metastasis</i> , 1995 , 13, 439-52	4.7	2
2	Genetic aspects of metastasis. <i>Current Opinion in Oncology</i> , 1990 , 2, 157-62	4.2	2
1	Anaesthesia and efficacy of hyperbaric oxygen in radiation therapy. <i>British Journal of Radiology</i> , 1979 , 52, 1006	3.4	2