

# Pretreatment oxygenation predicts radiation response in carcinoma of the head and neck

Radiotherapy and Oncology

41, 31-39

DOI: [10.1016/s0167-8140\(96\)01811-7](https://doi.org/10.1016/s0167-8140(96)01811-7)

Citation Report

#	ARTICLE	IF	CITATIONS
1	A physical standard of the unit of electrical resistance based on the quantum Hall effect. Uspekhi Fizicheskikh Nauk, 1988, 31, 880-881.	0.3	8
2	The C1772T genetic polymorphism in human HIF-1 $\alpha$ gene associates with expression of HIF-1 $\alpha$ protein in breast cancer. Oncology Reports, 1994, 20, 1181.	1.2	1
3	Tumour Oxygenation Assessed by Polarographic Needle Electrodes and Bioenergetic Status Measured by $^{31}\text{P}$ Magnetic Resonance Spectroscopy in Human Soft Tissue Tumours. Acta Oncologica, 1997, 36, 565-571.	0.8	25
4	Hypoxia-inducible factor-1 modulates gene expression in solid tumors and influences both angiogenesis and tumor growth. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 8104-8109.	3.3	1,210
5	Measurement of Tumor Oxygenation: A Comparison between Polarographic Needle Electrodes and a Time-Resolved Luminescence-Based Optical Sensor. Radiation Research, 1997, 147, 329.	0.7	81
6	Longevity of Pimonidazole Adducts in Spontaneous Canine Tumors as an Estimate of Hypoxic Cell Lifetime. Radiation Research, 1997, 148, 35.	0.7	47
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.	0.7	288
8	Comments on Hyperbaric Oxygen and Carbogen/Nicotinamide with Fractionated Radiation. Radiation Research, 1997, 148, 526.	0.7	3
9	Oxygen tension in human tumours measured with polarographic needle electrodes and its relationship to vascular density, necrosis and hypoxia. Radiotherapy and Oncology, 1997, 44, 163-169.	0.3	73
10	Adaptation of human tumor cells to tirapazamine under aerobic conditions. Biochemical Pharmacology, 1997, 54, 249-257.	2.0	52
11	Detection of hypoxic cells in a C3H mouse mammary carcinoma using the comet assay. British Journal of Cancer, 1997, 76, 694-699.	2.9	28
12	Kinetics of mouse jejunum radiosensitization by 2',2'-difluorodeoxycytidine (gemcitabine) and its relationship with pharmacodynamics of DNA synthesis inhibition and cell cycle redistribution in crypt cells. British Journal of Cancer, 1997, 76, 1315-1321.	2.9	23
14	Role of oxygenation and vascularization in drug resistance. , 1998, 27, 249-256.		5
15	Colonisation of Clostridium in the body is restricted to hypoxic and necrotic areas of tumours. Anaerobe, 1998, 4, 183-188.	1.0	85
16	Fraction of radiobiologically hypoxic cells in human melanoma xenografts measured by using single-cell survival, tumour growth delay and local tumour control as end points. British Journal of Cancer, 1998, 78, 893-898.	2.9	10
17	Radiotherapy and concurrent chemotherapy for the treatment of locally advanced head and neck squamous cell carcinoma. Seminars in Radiation Oncology, 1998, 8, 237-246.	1.0	49
18	Concepts of oxygen transport at the microcirculatory level. Seminars in Radiation Oncology, 1998, 8, 143-150.	1.0	145
19	A 2-week pretreatment with 13-cis-retinoic acid + interferon- $\alpha$ 2a prior to definitive radiation improves tumor tissue oxygenation in cervical cancers. Strahlentherapie Und Onkologie, 1998, 174, 571-574.	1.0	14

#	ARTICLE	IF	CITATIONS
20	Tumour Radiosensitization by High-Oxygen Content Gases: Influence of the Carbon Dioxide Content of the Inspired Gas on pO <sub>2</sub> , Microcirculatory Function and Radiosensitivity. <i>International Journal of Radiation Oncology Biology Physics</i> , 1998, 40, 943-951.	0.4	56
21	Radiobiological Hypoxia in the KHT Sarcoma: Predictions Using the Eppendorf Histogram. <i>International Journal of Radiation Oncology Biology Physics</i> , 1998, 40, 1171-1176.	0.4	32
22	Oxygenation of squamous cell carcinoma of the head and neck: comparison of primary tumors, neck node metastases, and normal tissue. <i>International Journal of Radiation Oncology Biology Physics</i> , 1998, 42, 35-41.	0.4	121
23	Extravascular diffusion of tirapazamine: effect of metabolic consumption assessed using the multicellular layer model. <i>International Journal of Radiation Oncology Biology Physics</i> , 1998, 42, 641-649.	0.4	93
24	Preclinical evaluation of the novel hypoxic marker <sup>99m</sup> Tc-HL91 (prognox) in murine and xenograft systems in vivo. <i>International Journal of Radiation Oncology Biology Physics</i> , 1998, 42, 731-735.	0.4	31
25	Temporal changes in pO <sub>2</sub> of R3230Ac tumors in fischer-344 rats. <i>International Journal of Radiation Oncology Biology Physics</i> , 1998, 42, 723-726.	0.4	70
26	Preclinical assessment of hypoxic marker specificity and sensitivity. <i>International Journal of Radiation Oncology Biology Physics</i> , 1998, 42, 741-745.	0.4	14
27	Heterogeneity of tumor oxygenation: relationship to tumor necrosis, tumor size, and metastasis. <i>International Journal of Radiation Oncology Biology Physics</i> , 1998, 42, 717-721.	0.4	54
28	Modulation of tumor oxygenation. <i>International Journal of Radiation Oncology Biology Physics</i> , 1998, 42, 843-848.	0.4	70
29	Measurement of tumor oxygenation. <i>International Journal of Radiation Oncology Biology Physics</i> , 1998, 42, 701-704.	0.4	80
30	Current Scientific Issues Related to Clinical Radiation Oncology. <i>Radiation Research</i> , 1998, 150, 125.	0.7	6
31	Molecular Biology to Radiation Oncology: A Model for Translational Research? Opportunities in Basic and Translational Research From a Workshop Sponsored by the National Cancer Institute, Radiation Research Program, January 26-28, 1997, Bethesda, Maryland. <i>Radiation Research</i> , 1998, 150, 134.	0.7	6
32	Reduction of Nitroarylmethyl Quaternary Ammonium Prodrugs of Mechlorethamine by Radiation. <i>Radiation Research</i> , 1998, 149, 237.	0.7	22
33	Lack of predictive value of potential doubling time and iododeoxyuridine labelling index in radiotherapy of squamous cell carcinoma of the head and neck. <i>Radiotherapy and Oncology</i> , 1998, 46, 147-155.	0.3	31
34	Measuring hypoxia and predicting tumor radioresistance with nuclear medicine assays. <i>Radiotherapy and Oncology</i> , 1998, 46, 229-237.	0.3	163
35	A randomized double-blind phase III study of nimorazole as a hypoxic radiosensitizer of primary radiotherapy in supraglottic larynx and pharynx carcinoma. Results of the Danish Head and Neck Cancer Study (DAHANCA) Protocol 5-85. <i>Radiotherapy and Oncology</i> , 1998, 46, 135-146.	0.3	523
36	The effect of combined nicotinamide and carbogen treatments in human tumour xenografts: oxygenation and tumour control studies. <i>Radiotherapy and Oncology</i> , 1998, 48, 143-148.	0.3	22
37	Nodal CT density and total tumor volume as prognostic factors after radiation therapy of stage III/IV head and neck cancer. <i>Radiotherapy and Oncology</i> , 1998, 47, 175-183.	0.3	83

#	ARTICLE	IF	CITATIONS
38	Changes in tumor oxygenation during combined treatment with split-course radiotherapy and chemotherapy in patients with head and neck cancer. <i>Radiotherapy and Oncology</i> , 1998, 48, 157-164.	0.3	64
39	Accelerated radiotherapy with carbogen and nicotinamide (ARCON) for laryngeal cancer. <i>Radiotherapy and Oncology</i> , 1998, 48, 115-122.	0.3	103
40	Oxygenation predicts radiation response and survival in patients with cervix cancer. <i>Radiotherapy and Oncology</i> , 1998, 48, 149-156.	0.3	568
41	Lack of perfusion enhancement after administration of nicotinamide and carbogen in patients with glioblastoma: a 99mTc-HMPAO SPECT study. <i>Radiotherapy and Oncology</i> , 1998, 48, 135-142.	0.3	21
42	Experimental Studies on the Possible Influence of Invasive Oxygen Measurements on Tumour Radiosensitivity. <i>Acta OncolÃ³gica</i> , 1998, 37, 369-373.	0.8	0
43	Tumor Hypoxia and Gene Expression: Implications for Malignant Progression and Therapy. <i>Acta OncolÃ³gica</i> , 1998, 37, 567-574.	0.8	108
44	Blood flow, oxygenation, metabolic and energetic status in different clonal subpopulations of a rat rhabdomyosarcoma.. <i>International Journal of Oncology</i> , 1998, 13, 205-11.	1.4	3
45	Exploiting tumour hypoxia and overcoming mutant p53 with tirapazamine. <i>British Journal of Cancer</i> , 1998, 77, 12-14.	2.9	25
46	Multiparameter analysis of vasculature, perfusion and proliferation in human tumour xenografts. <i>British Journal of Cancer</i> , 1998, 77, 57-64.	2.9	57
47	EPOETIN A ALFA IN RADIOTERAPIA. <i>Tumori</i> , 1998, 84, S15-S19.	0.6	1
48	Fourier analysis of fluctuations of oxygen tension and blood flow in R3230Ac tumors and muscle in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999, 277, H551-H568.	1.5	80
49	The OxyLite: a fibre-optic oxygen sensor.. <i>British Journal of Radiology</i> , 1999, 72, 627-630.	1.0	170
50	Changes in Oxygen Tension During Radiotherapy of Head and Neck Tumours. <i>Acta OncolÃ³gica</i> , 1999, 38, 1037-1042.	0.8	23
51	Clinical Outcome and Tumour Microenvironmental Effects of Accelerated Radiotherapy with Carbogen and Nicotinamide. <i>Acta OncolÃ³gica</i> , 1999, 38, 875-882.	0.8	27
52	Inducible Repair and the Two Forms of Tumour Hypoxia - Time for a Paradigm Shift. <i>Acta OncolÃ³gica</i> , 1999, 38, 903-918.	0.8	68
53	Dynamic contrast enhanced magnetic resonance scanning as a predictor of response to accelerated radiotherapy for advanced head and neck cancer.. <i>British Journal of Radiology</i> , 1999, 72, 1093-1098.	1.0	122
54	Synthesis of new hypoxia markers EF1 and [18F]-EF1. <i>Applied Radiation and Isotopes</i> , 1999, 51, 643-650.	0.7	33
55	Oxygenation of cervical cancers during radiotherapy and radiotherapy + cis-retinoic acid/interferon. <i>International Journal of Radiation Oncology Biology Physics</i> , 1999, 43, 367-373.	0.4	50

#	ARTICLE	IF	CITATIONS
56	Phase I trial of the hypoxic cell cytotoxin tirapazamine with concurrent radiation therapy in the treatment of refractory solid tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 1999, 44, 349-353.	0.4	36
57	A comparison in individual murine tumors of techniques for measuring oxygen levels. <i>International Journal of Radiation Oncology Biology Physics</i> , 1999, 44, 1137-1146.	0.4	50
58	Influence of the hypoxic subvolume on the survival of patients with head and neck cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 1999, 44, 749-754.	0.4	250
59	Oxygen tension measurements of tumors growing in mice. <i>International Journal of Radiation Oncology Biology Physics</i> , 1999, 45, 171-180.	0.4	44
60	RSR13, an allosteric effector of haemoglobin, and carbogen radiosensitize FSaII and SCCVII tumours in C3H mice. <i>British Journal of Cancer</i> , 1999, 79, 814-820.	2.9	21
61	In vitro radiosensitivity of tumour cells and fibroblasts derived from head and neck carcinomas: mutual relationship and correlation with clinical data. <i>British Journal of Cancer</i> , 1999, 79, 1074-1084.	2.9	16
62	The effects of hyperoxic and hypercarbic gases on tumour blood flow. <i>British Journal of Cancer</i> , 1999, 80, 117-126.	2.9	41
63	Cisplatin anti-tumour potentiation by tirapazamine results from a hypoxia-dependent cellular sensitization to cisplatin. <i>British Journal of Cancer</i> , 1999, 80, 1245-1251.	2.9	65
64	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, 1518-1524.	2.9	46
65	Carbogen Inhalation in Cervical Cancer: Assessment of Oxygenation Change. <i>Gynecologic Oncology</i> , 1999, 74, 259-264.	0.6	20
67	Blood flow and oxygenation status of human tumors. <i>Coloproctology</i> , 1999, 21, 57-69.	0.3	3
68	Blood flow and oxygenation status of human tumors. <i>Strahlentherapie Und Onkologie</i> , 1999, 175, 1-9.	1.0	64
69	Tumoroxxygenierung und Hypoxie. <i>Onkologe</i> , 1999, 5, 1000-1007.	0.7	5
70	Tissue oxygen distribution in head and neck cancer patients. , 1999, 21, 146-153.		77
71	Comparison of the effectiveness of tirapazamine and carbogen with nicotinamide in enhancing the response of a human tumor xenograft to fractionated irradiation. <i>Radiation Oncology Investigations</i> , 1999, 7, 163-169.	1.3	7
72	Radiotherapy: the last 25 years. <i>Cancer Treatment Reviews</i> , 1999, 25, 365-376.	3.4	23
73	Rise of oxygenation in cervical lymph node metastasis during the initial course of radiochemotherapy. <i>Otolaryngology - Head and Neck Surgery</i> , 1999, 121, 789-796.	1.1	8
74	DNA Damage Measured by the Comet Assay in Head and Neck Cancer Patients Treated with Tirapazamine. <i>Neoplasia</i> , 1999, 1, 461-467.	2.3	34

#	ARTICLE	IF	CITATIONS
75	Hypoxic regions exist in human prostate carcinoma. <i>Urology</i> , 1999, 53, 11-18.	0.5	160
76	Relationship between tumour cell in vitro radiosensitivity and clinical outcome after curative radiotherapy for squamous cell carcinoma of the head and neck. <i>Radiotherapy and Oncology</i> , 1999, 50, 47-55.	0.3	36
77	Normobaric oxygen treatment during radiotherapy for carcinoma of the uterine cervix. Results from a prospective controlled randomized trial. <i>Radiotherapy and Oncology</i> , 1999, 50, 157-165.	0.3	6
78	Vascular architecture and microenvironmental parameters in human squamous cell carcinoma xenografts: effects of carbogen and nicotinamide. <i>Radiotherapy and Oncology</i> , 1999, 50, 173-184.	0.3	62
79	Comparison between the comet assay and the oxygen microelectrode for measurement of tumor hypoxia. <i>Radiotherapy and Oncology</i> , 1999, 51, 179-185.	0.3	34
80	Monitoring of tumor reoxygenation following irradiation by <sup>31</sup> P magnetic resonance spectroscopy: an experimental study of human melanoma xenografts. <i>Radiotherapy and Oncology</i> , 1999, 52, 261-267.	0.3	8
81	Oxygenation of head and neck cancer: changes during radiotherapy and impact on treatment outcome. <i>Radiotherapy and Oncology</i> , 1999, 53, 113-117.	0.3	518
82	Polarographic measurements of oxygen tension in human glioma and surrounding peritumoural brain tissue. <i>Radiotherapy and Oncology</i> , 1999, 53, 127-131.	0.3	165
83	Tumoural perfusion as measured by dynamic computed tomography in head and neck carcinoma. <i>Radiotherapy and Oncology</i> , 1999, 53, 105-111.	0.3	75
84	Intratumoral pO <sub>2</sub> -measurements as predictive assay in the treatment of carcinoma of the uterine cervix. <i>Radiotherapy and Oncology</i> , 1999, 53, 99-104.	0.3	213
85	The Use of Needle Biopsies for Radiobiological Assessment of Oxygen Levels in KHT-C Tumors. <i>Radiation Research</i> , 1999, 152, 107.	0.7	3
86	Recombinant Human Erythropoietin in the Treatment of Cancer. , 1999, 50, 106-114.		0
87	Increasing levels of hypoxia in prostate carcinoma correlate significantly with increasing clinical stage and patient age. <i>Cancer</i> , 2000, 89, 2018-2024.	2.0	36
88	Review of methods used to study oxygen transport at the microcirculatory level. <i>International Journal of Cancer</i> , 2000, 90, 237-255.	2.3	82
89	Evidence of cell kinetics as predictive factor of response to radiotherapy alone or chemoradiotherapy in patients with advanced head and neck cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000, 47, 57-63.	0.4	16
90	Tumor radiosensitivity: it's the subpopulations that count. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000, 47, 549-550.	0.4	4
91	Changes in tumor hypoxia measured with a double hypoxic marker technique. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000, 48, 1529-1538.	0.4	89
92	Anemia is associated with decreased local control of surgically treated squamous cell carcinomas of the glottic larynx. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000, 48, 1345-1350.	0.4	52

#	ARTICLE	IF	CITATIONS
93	Hypoxia and necrosis in rat 9L glioma and Morris 7777 hepatoma tumors: comparative measurements using EF5 binding and the Eppendorf needle electrode. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000, 46, 1005-1017.	0.4	53
94	Severe anemia is associated with poor tumor oxygenation in head and neck squamous cell carcinomas. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000, 46, 459-466.	0.4	211
95	Changes in tumor oxygen tension during radiotherapy of uterine cervical cancer: relationships to changes in vascular density, cell density, and frequency of mitosis and apoptosis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000, 46, 935-946.	0.4	45
96	Development of a hypoxia-responsive vector for tumor-specific gene therapy. <i>Gene Therapy</i> , 2000, 7, 493-498.	2.3	256
97	Exploiting the hypoxic cancer cell: mechanisms and therapeutic strategies. <i>Trends in Molecular Medicine</i> , 2000, 6, 157-162.	2.6	323
98	Influence of p53 and bcl-2 on proliferative activity and treatment outcome in head and neck cancer patients. <i>Oral Oncology</i> , 2000, 36, 54-60.	0.8	14
99	Comparison of aromatic and tertiary amine N-oxides of acridine DNA intercalators as bioreductive drugs. <i>Biochemical Pharmacology</i> , 2000, 60, 969-978.	2.0	30
100	Hypoxia-Dependent Retinal Toxicity of Bioreductive Anticancer Prodrugs in Mice. <i>Toxicology and Applied Pharmacology</i> , 2000, 163, 50-59.	1.3	64
101	Disparate responses of tumour vessels to angiotensin II: tumour volume-dependent effects on perfusion and oxygenation. <i>British Journal of Cancer</i> , 2000, 83, 225-231.	2.9	24
102	Vascular architecture and hypoxic profiles in human head and neck squamous cell carcinomas. <i>British Journal of Cancer</i> , 2000, 83, 674-683.	2.9	84
104	Prognostic Value of Hemoglobin Concentrations in Patients with Advanced Head and Neck Cancer Treated with Combined Radio-Chemotherapy and Surgery. <i>Strahlentherapie Und Onkologie</i> , 2000, 176, 73-80.	1.0	34
105	Prognostic Significance of Anemia and Role of Erythropoietin in Radiation Therapy. <i>Tumori</i> , 2000, 86, 17-23.	0.6	11
107	Radiation-Induced DNA Damage in Tumors and Normal Tissues. VI. Estimation of the Hypoxic Fraction of Experimental Tumors 1. <i>Radiation Research</i> , 2000, 153, 548-556.	0.7	1
108	Feasibility of Detecting Hypoxia in Experimental Mouse Tumours with <sup>18</sup> F-fluorinated Tracers and Positron Emission Tomography: A Study Evaluating [ <sup>18</sup> F]Fluoromisonidazole and [ <sup>18</sup> F]Fluoro-2-deoxy-D-glucose. <i>Acta Oncologica</i> , 2000, 39, 629-637.	0.8	70
109	Measurement of Hypoxia Using the Comet Assay Correlates with Preirradiation Microelectrode pO <sub>2</sub> Histograms in R3327-AT Rodent Tumors. <i>Radiation Research</i> , 2000, 154, 439-446.	0.7	10
110	Determining Hypoxic Fraction in a Rat Glioma by Uptake of Radiolabeled Fluoromisonidazole. <i>Radiation Research</i> , 2000, 153, 84-92.	0.7	54
111	Changes in Blood Perfusion and Hypoxia after Irradiation of a Human Squamous Cell Carcinoma Xenograft Tumor Line. <i>Radiation Research</i> , 2000, 153, 398-404.	0.7	86
112	Prognostic assessment of sonography and tumor volumetry in advanced cancer of the head and neck by use of Doppler ultrasonography. <i>Otolaryngology - Head and Neck Surgery</i> , 2000, 122, 596-601.	1.1	17



#	ARTICLE	IF	CITATIONS
113	Oxygenation of advanced head and neck cancer††Prognostic marker for the response to primary radiochemotherapy. <i>Otolaryngology - Head and Neck Surgery</i> , 2000, 122, 856-862.	1.1	24
114	Prognostic assessment of sonography and tumor volumetry in advanced cancer of the head and neck by use of Doppler ultrasonography††. <i>Otolaryngology - Head and Neck Surgery</i> , 2000, 122, 596-601.	1.1	8
115	Hypoxic cytotoxic agents: a new approach to cancer chemotherapy. <i>Drug Resistance Updates</i> , 2000, 3, 7-13.	6.5	20
117	Prognostic significance of cervical lymph nodes density evaluated by contrasted computer tomography in head and neck squamous cell carcinoma treated with hyperthermia and radiotherapy. <i>International Journal of Hyperthermia</i> , 2000, 16, 539-547.	1.1	3
118	Optical Sensor-Based Oxygen Tension Measurements Correspond with Hypoxia Marker Binding in Three Human Tumor Xenograft Lines. <i>Radiation Research</i> , 2000, 154, 547-555.	0.7	37
119	ARCON: accelerated radiotherapy with carbogen and nicotinamide in head and neck squamous cell carcinomas. The experience of the Co-operative Group of Radiotherapy of the European Organization for Research and Treatment of Cancer (EORTC). <i>Radiotherapy and Oncology</i> , 2000, 55, 111-119.	0.3	53
120	Repeatability and prognostic impact of the pretreatment pO <sub>2</sub> histography in patients with advanced head and neck cancer. <i>Radiotherapy and Oncology</i> , 2000, 57, 31-37.	0.3	85
121	Diffusion limited hypoxia estimated by vascular image analysis: comparison with pimonidazole staining in human tumors. <i>Radiotherapy and Oncology</i> , 2000, 55, 325-333.	0.3	25
122	A confirmatory prognostic study on oxygenation status and loco-regional control in advanced head and neck squamous cell carcinoma treated by radiation therapy. <i>Radiotherapy and Oncology</i> , 2000, 57, 39-43.	0.3	274
123	Targeting tumor blood vessels: an adjuvant strategy for radiation therapy. <i>Radiotherapy and Oncology</i> , 2000, 57, 5-12.	0.3	60
124	Anemia, hypoxia and transfusion in patients with cervix cancer: a review. <i>Radiotherapy and Oncology</i> , 2000, 57, 13-19.	0.3	125
125	Tumour oxygenation levels correlate with dynamic contrast-enhanced magnetic resonance imaging parameters in carcinoma of the cervix. <i>Radiotherapy and Oncology</i> , 2000, 57, 53-59.	0.3	197
126	Estimation of tumour oxygenation levels with dynamic contrast-enhanced magnetic resonance imaging. <i>Radiotherapy and Oncology</i> , 2000, 57, 1-3.	0.3	8
127	Effects of nicotinamide and carbogen on oxygenation in human tumor xenografts measured with luminescence based fiber-optic probes. <i>Radiotherapy and Oncology</i> , 2000, 57, 21-30.	0.3	56
128	Mathematical modeling of chronic hypoxia in tumors considering potential doubling time and hypoxic cell lifetime. <i>Radiotherapy and Oncology</i> , 2000, 54, 171-177.	0.3	17
129	Hypoxia and VEGF mRNA Expression in Human Tumors. <i>Neoplasia</i> , 2001, 3, 500-508.	2.3	50
130	Green Fluorescent Protein is a Suitable Reporter of Tumor Hypoxia Despite an Oxygen Requirement for Chromophore Formation. <i>Neoplasia</i> , 2001, 3, 527-534.	2.3	96
131	Oxygenation of human tumors€”implications for combined therapy. <i>Lung Cancer</i> , 2001, 33, S77-S83.	0.9	17



#	ARTICLE	IF	CITATIONS
132	Imaging hypoxia in tumors. <i>Seminars in Nuclear Medicine</i> , 2001, 31, 321-329.	2.5	117
133	Increased hypoxia correlates with increased expression of the angiogenesis marker vascular endothelial growth factor in human prostate cancer. <i>Urology</i> , 2001, 57, 821-825.	0.5	74
134	Tumor Hypoxia: Definitions and Current Clinical, Biologic, and Molecular Aspects. <i>Journal of the National Cancer Institute</i> , 2001, 93, 266-276.	3.0	2,581
135	Biological Predictors of Response to Radiotherapy in Head and Neck Cancer: Recent Advances and Emerging Perspectives. <i>Tumori</i> , 2001, 87, 355-363.	0.6	18
136	Comparison of tumor and normal tissue oxygen tension measurements using OxyLite or microelectrodes in rodents. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 280, H2533-H2544.	1.5	242
137	Prognostic Radiology: Quantitative Assessment of Tumor Oxygen Dynamics by MRI. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2001, 24, 462-466.	0.6	40
138	Functional CT Imaging of the Acute Hyperemic Response to Radiation Therapy of the Prostate Gland: Early Experience. <i>Journal of Computer Assisted Tomography</i> , 2001, 25, 43-49.	0.5	51
139	Editorial. <i>Nuclear Medicine Communications</i> , 2001, 22, 945-947.	0.5	3
140	Phase Ia study of a hypoxic cell sensitizer doranidazole (PR-350) in combination with conventional radiotherapy. <i>Anti-Cancer Drugs</i> , 2001, 12, 1-6.	0.7	28
141	Hypoxia in Human Prostate Carcinoma. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2001, 24, 458-461.	0.6	100
142	Chromatin Compaction and Tumor Cell Radiosensitivity at 2 Gray. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2001, 24, 509-515.	0.6	15
143	<sup>99</sup> Tcm labelled HL91 versus computed tomography and biopsy for the visualization of tumour recurrence of squamous head and neck carcinoma. <i>Nuclear Medicine Communications</i> , 2001, 22, 269-275.	0.5	23
144	Predictive Value of the Tumor Oxygenation by Means of pO <sub>2</sub> Histogramy in Patients with Advanced Head and Neck Cancer. <i>Strahlentherapie Und Onkologie</i> , 2001, 177, 462-468.	1.0	90
145	Prognostic Impact of Tumor Perfusion in MR-Imaging Studies in Ewing Tumors. <i>Strahlentherapie Und Onkologie</i> , 2001, 177, 153-159.	1.0	28
146	Recombinant human erythropoietin increases the radiosensitivity of xenografted human tumours in anaemic nude mice. <i>Journal of Cancer Research and Clinical Oncology</i> , 2001, 127, 346-350.	1.2	73
147	Tumor oximetry: demonstration of an enhanced dynamic mapping procedure using fluorine-19 echo planar magnetic resonance imaging in the Dunning prostate R3327-AT1 rat tumor. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001, 49, 1097-1108.	0.4	111
148	In vivo evaluation of a novel antitumor prodrug, 1-(2-oxopropyl)-5-fluorouracil (OFU001), which releases 5-fluorouracil upon hypoxic irradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001, 49, 407-413.	0.4	36
149	Invasive oxygen measurements and pimonidazole labeling in human cervix carcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001, 49, 581-586.	0.4	79

#	ARTICLE	IF	CITATIONS
150	Hypoxia in human intraperitoneal and extremity sarcomas. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001, 49, 587-596.	0.4	40
151	Tumor oxygenation after radiotherapy, chemotherapy, and/or hyperthermia predicts tumor free survival. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001, 49, 1119-1125.	0.4	31
152	A Phase I study of RSR13, a radiation-enhancing hemoglobin modifier: tolerance of repeated intravenous doses and correlation of pharmacokinetics with pharmacodynamics. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001, 49, 1133-1139.	0.4	36
153	The relation of CT-determined tumor parameters and local and regional outcome of tonsillar cancer after definitive radiation treatment. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001, 50, 37-45.	0.4	72
154	Nuclear expression of human apurinic/aprimidinic endonuclease (HAP1/Ref-1) in head-and-neck cancer is associated with resistance to chemoradiotherapy and poor outcome. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001, 50, 27-36.	0.4	104
155	Impact of hemoglobin level and use of recombinant erythropoietin on efficacy of preoperative chemoradiation therapy for squamous cell carcinoma of the oral cavity and oropharynx. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001, 50, 705-715.	0.4	250
156	Elevated tumor lactate concentrations predict for an increased risk of metastases in head-and-neck cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001, 51, 349-353.	0.4	469
157	Tumor size and oxygenation are independent predictors of nodal diseases in patients with cervix cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001, 51, 699-703.	0.4	74
158	MIB-1 and p53 expression in radiotherapy-resistant T1aN0M0 glottic squamous cell carcinoma. <i>Clinical Otolaryngology</i> , 2001, 26, 227-230.	0.0	9
159	Role of multimodal treatment in oropharynx, larynx, and hypopharynx cancer. <i>Journal of Surgical Oncology</i> , 2001, 20, 66-74.	1.4	14
160	Impact of hemoglobin levels before and during concurrent chemoradiotherapy on the response of treatment in patients with cervical carcinoma. <i>Cancer</i> , 2001, 92, 903-908.	2.0	72
161	Role of protein kinase C $\gamma$ in transmitting hypoxia signal to HSF and HIF-1. <i>Journal of Cellular Physiology</i> , 2001, 188, 223-235.	2.0	50
162	Intermittent blood flow in solid tumours--an under-appreciated source of 'drug resistance'. <i>Cancer and Metastasis Reviews</i> , 2001, 20, 57-61.	2.7	60
163	Treatment Resistance of Solid Tumors. <i>Medical Oncology</i> , 2001, 18, 243-260.	1.2	471
164	Relationship of hypoxia to metastatic ability in rodent tumours. <i>British Journal of Cancer</i> , 2001, 84, 1280-1285.	2.9	82
165	Effects of hyperbaric oxygen and normobaric carbogen on the radiation response of the rat rhabdomyosarcoma R1H 1 1This work was partially financed by the German Cancer Aid and the Fonds Ophthalmopathy, AMC Amsterdam, The Netherlands.. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001, 51, 1037-1044.	0.4	23
166	Gene transfer of antisense hypoxia inducible factor-1 $\beta$ enhances the therapeutic efficacy of cancer immunotherapy. <i>Gene Therapy</i> , 2001, 8, 638-645.	2.3	148
167	Metabolism of tirapazamine by multiple reductases in the nucleus 11Abbreviations: TPZ, tirapazamine; P450 reductase, NADPH:cytochrome P450 reductase; PMSF, phenylmethylsulfonyl fluoride; DTT, dithiothreitol; DHR123, dihydrorhodamine 123; DAPI, 4,4'-diamidino-2-phenylindole, dihydrochloride; SN, supernatant from nuclei; LS, low salt; HS, high salt; and NM, nuclear matrix.. <i>Biochemical Pharmacology</i> , 2001, 62, 1201-1209.	2.0	54

#	ARTICLE	IF	CITATIONS
168	Single-photon emission computed tomography and positron-emission tomography assays for tissue oxygenation. <i>Seminars in Radiation Oncology</i> , 2001, 11, 47-57.	1.0	58
169	Magnetic resonance imaging applications in the evaluation of tumor angiogenesis*. <i>Seminars in Radiation Oncology</i> , 2001, 11, 70-82.	1.0	55
170	Hypoxia activates Akt and induces phosphorylation of GSK-3 in PC12 cells. <i>Cellular Signalling</i> , 2001, 13, 23-27.	1.7	110
171	Prognostic Value of Histopathological Response to Radiotherapy and Microvessel Density in Oral Squamous Cell Carcinomas. <i>Acta Oncol<sup>3</sup>gica</i> , 2001, 40, 491-496.	0.8	11
172	Radiobiological Hypoxia, Oxygen Tension, Interstitial Fluid Pressure and Relative Viable Tumour Area in Two Human Squamous Cell Carcinomas in Nude Mice During Fractionated Radiotherapy. <i>Acta Oncol<sup>3</sup>gica</i> , 2001, 40, 519-528.	0.8	22
173	Microvessel density predicts the radiosensitivity of metastatic head and neck squamous cell carcinoma in cervical lymph nodes. <i>International Journal of Oncology</i> , 2001, 19, 1127-32.	1.4	7
174	Hypoxia in human soft tissue sarcomas: Adverse impact on survival and no association with p53 mutations. <i>British Journal of Cancer</i> , 2001, 84, 1070-1075.	2.9	204
175	Measuring Hypoxia in Solid Tumours&Is There a Gold Standard?. <i>Acta Oncol<sup>3</sup>gica</i> , 2001, 40, 917-923.	0.8	62
176	Effects of the Interaction between Carbogen and Nicotinamide on R3230 Ac Tumor Blood Flow in Fischer 344 Rats. <i>Radiation Research</i> , 2001, 155, 724-733.	0.7	7
177	Radiobiological Hypoxia, Oxygen Tension, Interstitial Fluid Pressure and Relative Viable Tumour Area in Two Human Squamous Cell Carcinomas in Nude Mice During Fractionated Radiotherapy. <i>Acta Oncol<sup>3</sup>gica</i> , 2001, 40, 519-528.	0.8	25
178	Radiosensitizing Effect of Carbogen Breathing during Pulsed Irradiation of the Rat R1H Tumor. <i>Acta Oncol<sup>3</sup>gica</i> , 2001, 40, 870-874.	0.8	2
179	Targeting Hypoxia in Head and Neck Cancer. <i>Acta Oncol<sup>3</sup>gica</i> , 2001, 40, 937-940.	0.8	20
180	The Km for Radiosensitization of Human Tumor Cells by Oxygen is Much Greater than 3 mmHg and is Further Increased by Elevated Levels of Cysteine. <i>Radiation Research</i> , 2001, 156, 388-398.	0.7	36
181	Levels of Hypoxia-Inducible Factor-1 $\alpha$ During Breast Carcinogenesis. <i>Journal of the National Cancer Institute</i> , 2001, 93, 309-314.	3.0	554
182	Impact of Tumor Hypoxia and Anemia on Radiation Therapy Outcomes. <i>Oncologist</i> , 2002, 7, 492-508.	1.9	320
183	Tumor Hypoxia Has Independent Predictor Impact Only in Patients With Node-Negative Cervix Cancer. <i>Journal of Clinical Oncology</i> , 2002, 20, 680-687.	0.8	255
184	Tumor Microenvironment and the Response to Anticancer Therapy. <i>Cancer Biology and Therapy</i> , 2002, 1, 453-458.	1.5	215
185	Estimating DNA Repair by Sequential Evaluation of Head and Neck Tumor Radiation Sensitivity Using the Comet Assay. <i>JAMA Otolaryngology</i> , 2002, 128, 698.	1.5	19

#	ARTICLE	IF	CITATIONS
186	Oxygen measurement in living cells: comparison between a new vital fluorescent pyrene probe labeling mitochondria and pyrene butyric acid. , 2002, 4622, 1.		4
187	Pathways of Reductive Fragmentation of Heterocyclic Nitroarylmethyl Quaternary Ammonium Prodrugs of Mechlorethamine. Radiation Research, 2002, 158, 753-762.	0.7	15
188	Sensitizing and Protective Substances in Radiation Therapy and Predictive Assays. Acta Oncol <sup>3</sup> gica, 2002, 41, 615-622.	0.8	7
189	Carbogen Breathing after Irradiation Enhances the Effectiveness of Tirapazamine in SiHa Tumors but not SCCVII Tumors in Mice. Radiation Research, 2002, 158, 94-100.	0.7	2
190	The Range of Oxygenation in SiHa Tumor Xenografts. Radiation Research, 2002, 158, 159-166.	0.7	18
191	Raising Hemoglobin: An Opportunity for Increasing Survival?. Oncology, 2002, 63, 19-28.	0.9	31
192	<title>Optical properties of blood at various levels of oxygenation studied by time-resolved detection of laser-induced pressure profiles</title>. , 2002, 4618, 63.		17
193	Hypoxia Stimulates p16 Expression and Association with cdk4. Experimental Cell Research, 2002, 278, 53-60.	1.2	22
194	Pharmacology and toxicity of nicotinamide combined with domperidone during fractionated radiotherapy. Radiotherapy and Oncology, 2002, 63, 285-291.	0.3	19
195	Hypoxic prostate/muscle po2 ratio predicts for biochemical failure in patients with prostate cancer: preliminary findings. Urology, 2002, 60, 634-639.	0.5	178
196	Hypoxia as a target for combined modality treatments. European Journal of Cancer, 2002, 38, 240-257.	1.3	167
197	Molecular approaches to chemo-radiotherapy. European Journal of Cancer, 2002, 38, 231-239.	1.3	38
198	Hypoxia-Inducible Regulation of a Prodrug-Activating Enzyme for Tumor-Specific Gene Therapy. Neoplasia, 2002, 4, 40-48.	2.3	67
199	Hypoxia imaging in brain tumors. Neuroimaging Clinics of North America, 2002, 12, 537-552.	0.5	46
200	Tumor Responses to Radiation Therapy. Academic Radiology, 2002, 9, S215-S219.	1.3	4
201	Tumor Hypoxia Has Independent Predictor Impact Only in Patients With Node-Negative Cervix Cancer. Journal of Clinical Oncology, 2002, 20, 680-687.	0.8	348
202	Assessment of Cancer-Associated Biomarkers by Positron Emission Tomography: Advances and Challenges. Disease Markers, 2002, 18, 211-247.	0.6	23
203	Tirapazamine: Prototype for a novel class of therapeutic agents targeting tumor hypoxia. Seminars in Oncology, 2002, 29, 102-109.	0.8	56

#	ARTICLE	IF	CITATIONS
204	The importance of tumor metabolism in cancer prognosis and therapy; pre-clinical studies on rodent tumors with agents that improve tumor oxygenation. <i>Advances in Enzyme Regulation</i> , 2002, 42, 131-141.	2.9	5
205	Expression of hypoxia-inducible factor-1 $\alpha$ in oligodendrogliomas. <i>Cancer</i> , 2002, 94, 2317-2318.	2.0	5
207	De novo establishment and cost-effectiveness of Papanicolaou Cytology Screening Services in the Socialist Republic of Vietnam. <i>Cancer</i> , 2002, 94, 2312-2314.	2.0	6
209	Visual estimate of the percentage of carcinoma is an independent predictor of prostate carcinoma recurrence after radical prostatectomy. <i>Cancer</i> , 2002, 94, 2310-2311.	2.0	1
211	The New American Joint Committee on Cancer staging system for cutaneous melanoma. <i>Cancer</i> , 2002, 94, 2305-2307.	2.0	15
212	A high number of tumor free axillary lymph nodes from patients with lymph node negative breast carcinoma is associated with poor outcome. <i>Cancer</i> , 2002, 94, 2307-2309.	2.0	8
213	Author reply to previously published correspondence. <i>Cancer</i> , 2002, 94, 2316-2317.	2.0	0
214	Assessment of morphometric measurements of prostate carcinoma volume. <i>Cancer</i> , 2002, 94, 2309-2310.	2.0	0
215	Quantitative assessment of tumor oxygen dynamics: Molecular imaging for prognostic radiology. <i>Journal of Cellular Biochemistry</i> , 2002, 87, 45-53.	1.2	26
216	Tumor hypoxia and the progression of prostate cancer. <i>Current Urology Reports</i> , 2002, 3, 222-228.	1.0	33
217	Oxygenation Measurements in Head and Neck Cancers during Hyperbaric Oxygenation. <i>Strahlentherapie Und Onkologie</i> , 2002, 178, 105-108.	1.0	34
218	Tumor oxygenation under combined whole-body-hyperthermia and polychemotherapy in a case of recurrent carcinoma of the oral cavity. <i>European Archives of Oto-Rhino-Laryngology</i> , 2002, 259, 27-31.	0.8	6
219	Phase 1 study to identify tumour hypoxia in patients with head and neck cancer using technetium-99m BRU 59-21. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2002, 29, 1206-1211.	3.3	29
220	Accelerated superfractionated radiotherapy with concomitant boost for locally advanced head-and-neck squamous cell carcinomas. <i>International Journal of Radiation Oncology Biology Physics</i> , 2002, 52, 918-928.	0.4	9
221	Differential oxygen dynamics in two diverse Dunning prostate R3327 rat tumor sublines (MAT-Lu and Tj ETQq0 0 0 rgBT /Overlock 10 T). <i>Biology Physics</i> , 2002, 53, 744-756.	0.4	48
222	Effects of breathing a hyperoxic hypercapnic gas mixture on blood oxygenation and vascularity of head-and-neck tumors as measured by magnetic resonance imaging. <i>International Journal of Radiation Oncology Biology Physics</i> , 2002, 53, 1185-1191.	0.4	111
223	Increased radiosensitivity with chronic hypoxia in four human tumor cell lines. <i>International Journal of Radiation Oncology Biology Physics</i> , 2002, 54, 910-920.	0.4	77
224	HIF-1 $\alpha$ , pimonidazole, and iododeoxyuridine to estimate hypoxia and perfusion in human head-and-neck tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2002, 54, 1537-1549.	0.4	364

#	ARTICLE	IF	CITATIONS
225	Expression of hypoxia-inducible factor-1 $\alpha$ in cervical carcinomas: correlation with tumor oxygenation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2002, 53, 854-861.	0.4	348
226	Vascular architecture, hypoxia, and proliferation in first-generation xenografts of human head-and-neck squamous cell carcinomas. <i>International Journal of Radiation Oncology Biology Physics</i> , 2002, 54, 215-228.	0.4	120
227	Prediction of radiotherapy outcome using dynamic contrast enhanced MRI of carcinoma of the cervix. <i>International Journal of Radiation Oncology Biology Physics</i> , 2002, 54, 759-767.	0.4	165
228	The Effect of Smoking on Tumour Oxygenation and Treatment Outcome in Cervical Cancer. <i>Clinical Oncology</i> , 2002, 14, 442-446.	0.6	12
229	Inhibitory effect of a naphthazarin derivative, S64, on heat shock factor (Hsf) activation and glutathione status following hypoxia. <i>Cell Biology and Toxicology</i> , 2003, 19, 273-284.	2.4	7
230	Preferential elevation of Prx I and Trx expression in lung cancer cells following hypoxia and in human lung cancer tissues. <i>Cell Biology and Toxicology</i> , 2003, 19, 285-298.	2.4	94
231	The hypoxic tumour microenvironment and metastatic progression. <i>Clinical and Experimental Metastasis</i> , 2003, 20, 237-250.	1.7	310
232	Antioxidants in cancer therapy: Is there a rationale to recommend antioxidants during cancer therapy?. <i>BioFactors</i> , 2003, 17, 229-240.	2.6	11
233	Quantifying tumour hypoxia with fluorine-18 fluoroerythronitroimidazole ([ <sup>18</sup> F]FETNIM) and PET using the tumour to plasma ratio. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2003, 30, 101-108.	3.3	76
234	Oxygenation Status of Cervical Carcinomas Before and During Spinal Anesthesia for Application of Brachytherapy. <i>Strahlentherapie Und Onkologie</i> , 2003, 179, 633-640.	1.0	16
235	Clinical markers of hypoxia and other predictive factors of survival in conservative therapy of squamous-cell carcinoma of the esophagus. <i>International Journal of Colorectal Disease</i> , 2003, 18, 167-171.	1.0	4
236	Modulation of cell death in the tumor microenvironment. <i>Seminars in Radiation Oncology</i> , 2003, 13, 31-41.	1.0	91
237	Improved potency of the hypoxic cytotoxin tirapazamine by DNA-targeting. <i>Biochemical Pharmacology</i> , 2003, 65, 1807-1815.	2.0	31
238	Prognostic impact of reoxygenation in advanced cancer of the head and neck during the initial course of chemoradiation or radiotherapy alone. <i>Head and Neck</i> , 2003, 25, 50-58.	0.9	28
239	GLUT-1 and CAIX as intrinsic markers of hypoxia in carcinoma of the cervix: Relationship to pimonidazole binding. <i>International Journal of Cancer</i> , 2003, 104, 85-91.	2.3	205
240	How to overcome (and exploit) tumor hypoxia for targeted gene therapy. <i>Journal of Cellular Physiology</i> , 2003, 197, 312-325.	2.0	64
241	Nuclear medicine imaging to predict response to radiotherapy: a review. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003, 55, 5-15.	0.4	82
242	Comparison of the comet assay and the oxygen microelectrode for measuring tumor oxygenation in head-and-neck cancer patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003, 56, 375-383.	0.4	40



#	ARTICLE	IF	CITATIONS
243	Significant correlation of hypoxia-inducible factor-1 $\alpha$ with treatment outcome in cervical cancer treated with radical radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003, 56, 494-501.	0.4	117
244	Erythropoietin restores the anemia-induced reduction in radiosensitivity of experimental human tumors in nude mice. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003, 55, 1358-1362.	0.4	77
245	Evaluation of hypoxia-inducible factor-1 $\alpha$ (HIF-1 $\alpha$ ) as an intrinsic marker of tumor hypoxia in U87 MG human glioblastoma: In vitro and xenograft studies. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003, 56, 1184-1193.	0.4	59
246	Microfluorometric study of oxygen dependence of (1 $\alpha$ -pyrene butyl)-2-rhodamine ester probe in mitochondria of living cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2003, 70, 107-115.	1.7	15
247	The Effect of Deep Inspiration Breath-hold on Tumour Oxygenation. <i>Clinical Oncology</i> , 2003, 15, 386-393.	0.6	0
248	Differential, stage-dependent expression of Hsp70, Hsp110 and Bcl-2 in colorectal cancer. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2003, 18, 690-700.	1.4	105
249	Chemoradiation: A new approach for the treatment of cervical cancer. <i>International Journal of Gynecological Cancer</i> , 2003, 13, 580-586.	1.2	23
250	Anemia before and during concurrent chemoradiotherapy in patients with cervical carcinoma: Effect on progression-free survival. <i>International Journal of Gynecological Cancer</i> , 2003, 13, 633-639.	1.2	30
251	Glucose transporter-1 (GLUT-1): a potential marker of prognosis in rectal carcinoma?. <i>British Journal of Cancer</i> , 2003, 89, 870-876.	2.9	100
252	GLUT1 and CAIX as intrinsic markers of hypoxia in bladder cancer: relationship with vascularity and proliferation as predictors of outcome of ARCON. <i>British Journal of Cancer</i> , 2003, 89, 1290-1297.	2.9	194
253	Investigating hypoxic tumor physiology through gene expression patterns. <i>Oncogene</i> , 2003, 22, 5907-5914.	2.6	283
254	Estimating hypoxic status in human tumors: A simulation using Eppendorf oxygen probe data in cervical cancer patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003, 55, 1239-1246.	0.4	37
255	Positron emission tomography imaging of brain tumors. <i>Neuroimaging Clinics of North America</i> , 2003, 13, 717-739.	0.5	39
256	Influence of haemoglobin Concentration and peripheral muscle pO <sub>2</sub> on tumour oxygenation in advanced head and neck tumours. <i>Radiotherapy and Oncology</i> , 2003, 66, 71-74.	0.3	26
257	Radiotherapy and chemotherapy with or without carbogen and nicotinamide in inoperable biopsy-proven glioblastoma multiforme. <i>Radiotherapy and Oncology</i> , 2003, 67, 45-51.	0.3	19
258	Measurements of hypoxia using pimonidazole and polarographic oxygen-sensitive electrodes in human cervix carcinomas. <i>Radiotherapy and Oncology</i> , 2003, 67, 35-44.	0.3	140
259	Tumor hypoxia at the micro-regional level: clinical relevance and predictive value of exogenous and endogenous hypoxic cell markers. <i>Radiotherapy and Oncology</i> , 2003, 67, 3-15.	0.3	256
260	Radiotherapy with or without mitomycin c in the treatment of locally advanced head and neck cancer: results of the IAEA multicentre randomised trial. <i>Radiotherapy and Oncology</i> , 2003, 67, 17-26.	0.3	64



#	ARTICLE	IF	CITATIONS
261	The importance of pre-treatment haemoglobin level in inoperable non-small cell lung carcinoma treated with radical radiotherapy. <i>Radiotherapy and Oncology</i> , 2003, 67, 321-325.	0.3	30
262	Tumour oxygenation assessed by 18F-fluoromisonidazole PET and polarographic needle electrodes in human soft tissue tumours. <i>Radiotherapy and Oncology</i> , 2003, 67, 339-344.	0.3	114
263	The effect of anaemia on efficacy and normal tissue toxicity following radiotherapy for locally advanced squamous cell carcinoma of the head and neck. <i>Radiotherapy and Oncology</i> , 2003, 68, 113-122.	0.3	32
264	Modification of Radiation Response. <i>Medical Radiology</i> , 2003, , .	0.0	7
265	Correlation of Tumor Oxygen Dynamics with Radiation Response of the Dunning Prostate R3327-H1 Tumor. <i>Radiation Research</i> , 2003, 159, 621-631.	0.7	57
266	Increased locoregional blood flow in brain tumors after cervical spinal cord stimulation. <i>Journal of Neurosurgery</i> , 2003, 98, 1263-1270.	0.9	28
267	Targeted molecular mechanisms of epoetin alfa. <i>Lung Cancer</i> , 2003, 41, 133-145.	0.9	10
268	Prognostic significance of tumor oxygenation in humans. <i>Cancer Letters</i> , 2003, 195, 1-16.	3.2	259
269	Reduced expression of p27 is correlated with progression in precancerous lesions of the larynx. <i>Auris Nasus Larynx</i> , 2003, 30, 163-168.	0.5	18
270	The value of positron emission tomography for monitoring response to radiotherapy in head and neck cancer. <i>Molecular Imaging and Biology</i> , 2003, 5, 257-270.	1.3	37
271	Efficacy of cytotoxic agents used in the treatment of testicular germ cell tumours under normoxic and hypoxic conditions in vitro. <i>British Journal of Cancer</i> , 2003, 89, 2133-2139.	2.9	112
272	Overexpression of hypoxia-inducible-factor 1 $\alpha$ (HIF-1 $\alpha$ ) in oesophageal squamous cell carcinoma correlates with lymph node metastasis and pathologic stage. <i>British Journal of Cancer</i> , 2003, 89, 1042-1047.	2.9	124
273	The role of functional and molecular imaging in cancer drug discovery and development. <i>British Journal of Radiology</i> , 2003, 76, S128-S138.	1.0	58
274	Ultrasound guided pO <sub>2</sub> measurement of breast cancer reoxygenation after neoadjuvant chemotherapy and hyperthermia treatment. <i>International Journal of Hyperthermia</i> , 2003, 19, 498-506.	1.1	34
275	Anemia before and during concurrent chemoradiotherapy in patients with cervical carcinoma: Effect on progression-free survival. <i>International Journal of Gynecological Cancer</i> , 2003, 13, 633-639.	1.2	25
276	Adjuvant Ozonotherapy in Advanced Head and Neck Tumors: A Comparative Study. <i>Evidence-based Complementary and Alternative Medicine</i> , 2004, 1, 321-325.	0.5	15
277	The relationship between temporal variation of hypoxia, polarographic measurements and predictions of tumour response to radiation. <i>Physics in Medicine and Biology</i> , 2004, 49, 4463-4475.	1.6	29
278	Current issues in the utility of <sup>19</sup> F nuclear magnetic resonance methodologies for the assessment of tumour hypoxia. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004, 359, 987-996.	1.8	49

#	ARTICLE	IF	CITATIONS
279	Effect of cervical spinal cord stimulation on regional blood flow and oxygenation in advanced head and neck tumours. <i>Annals of Oncology</i> , 2004, 15, 802-807.	0.6	26
280	Effect of Radiation and Ibuprofen on Normoxic Renal Carcinoma Cells Overexpressing Hypoxia-Inducible Factors by Loss of von Hippel-Lindau Tumor Suppressor Gene Function. <i>Clinical Cancer Research</i> , 2004, 10, 4158-4164.	3.2	19
281	Approaches to Preserve Larynx Function in Locally Advanced Laryngeal and Hypopharyngeal Cancer. <i>Oncology Research and Treatment</i> , 2004, 27, 368-375.	0.8	6
282	Hypoxia-Inducible Factor 1 $\alpha$ Expression as an Intrinsic Marker of Hypoxia. <i>Clinical Cancer Research</i> , 2004, 10, 8405-8412.	3.2	123
283	Evidence that involucrin, a marker for differentiation, is oxygen regulated in human squamous cell carcinomas. <i>British Journal of Cancer</i> , 2004, 90, 728-735.	2.9	58
284	Hypoxia and Anemia: Factors in Decreased Sensitivity to Radiation Therapy and Chemotherapy?. <i>Oncologist</i> , 2004, 9, 31-40.	1.9	314
285	Identification of Hypoxia-Regulated Proteins in Head and Neck Cancer by Proteomic and Tissue Array Profiling. <i>Cancer Research</i> , 2004, 64, 7302-7310.	0.4	36
286	Physiological mechanisms underlying heat-induced radiosensitization. <i>International Journal of Hyperthermia</i> , 2004, 20, 163-174.	1.1	86
287	Hypoxia and Photofrin Uptake in the Intraperitoneal Carcinomatosis and Sarcomatosis of Photodynamic Therapy Patients. <i>Clinical Cancer Research</i> , 2004, 10, 4630-4638.	3.2	57
288	Exploiting tumour hypoxia in cancer treatment. <i>Nature Reviews Cancer</i> , 2004, 4, 437-447.	12.8	2,406
289	In vivo evaluation of [18F]fluoroetanidazole as a new marker for imaging tumour hypoxia with positron emission tomography. <i>British Journal of Cancer</i> , 2004, 90, 2232-2242.	2.9	93
290	The human tumor microenvironment: invasive (needle) measurement of oxygen and interstitial fluid pressure. <i>Seminars in Radiation Oncology</i> , 2004, 14, 249-258.	1.0	140
291	The hypoxic tumor microenvironment and gene expression. <i>Seminars in Radiation Oncology</i> , 2004, 14, 207-214.	1.0	100
292	Strategies to overcome accelerated repopulation and hypoxia—what have we learned from clinical trials?. <i>Seminars in Oncology</i> , 2004, 31, 802-808.	0.8	28
293	Antioxidative Mikronährstoffe als Zusatzstoffe in der Onkologie. <i>Onkologie</i> , 2004, 10, 230-243.	0.7	1
294	Protocol of radiotherapy for glioblastoma according to the expression of HIF-1. <i>Brain Tumor Pathology</i> , 2004, 21, 1-6.	1.1	31
295	Effects of texaphyrins on the oxygenation of EMT6 mouse mammary tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004, 58, 1570-1576.	0.4	31
296	Oxygenation of Spontaneous Canine Tumors During Fractionated Radiation Therapy*. <i>Strahlentherapie Und Onkologie</i> , 2004, 180, 297-305.	1.0	23

#	ARTICLE	IF	CITATIONS
297	Effect of the Hypoxic Cell Sensitizer Isometronidazole on Local Control of Two Human Squamous Cell Carcinomas after Fractionated Irradiation. <i>Strahlentherapie Und Onkologie</i> , 2004, 180, 375-382.	1.0	17
298	Management of Anemia in Patients Undergoing Curative Radiotherapy. <i>Strahlentherapie Und Onkologie</i> , 2004, 180, 671-681.	1.0	33
299	Fluorinated tracers for imaging cancer with positron emission tomography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2004, 31, 1182-206.	3.3	116
300	Iodine-124-labeled iodo-azomycin-galactoside imaging of tumor hypoxia in mice with serial microPET scanning. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2004, 31, 117-128.	3.3	88
301	Molecular imaging in oncology by means of nuclear medicine: fact or fiction?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2004, 31, 151-154.	3.3	1
302	Hypoxia-inducible factor-1? in non small cell lung cancer: Relation to growth factor, protease and apoptosis pathways. <i>International Journal of Cancer</i> , 2004, 111, 43-50.	2.3	153
303	Tumor R2* is a prognostic indicator of acute radiotherapeutic response in rodent tumors. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 19, 482-488.	1.9	91
304	Clinical applications of EPR: overview and perspectives. <i>NMR in Biomedicine</i> , 2004, 17, 335-351.	1.6	133
305	Imaging perfusion and hypoxia with PET to predict radiotherapy response in head-and-neck cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004, 59, 971-982.	0.4	171
306	Low dose hyper-radiosensitivity in metastatic tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004, 59, 1190-1195.	0.4	63
307	Predicting the effect of temporal variations in po2 on tumor radiosensitivity. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004, 59, 822-833.	0.4	47
308	Effect of RSR13, an allosteric hemoglobin modifier, on oxygenation in murine tumors: an in vivo electron paramagnetic resonance oximetry and bold MRI study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004, 59, 834-843.	0.4	34
309	Effects of nicotinamide and carbogen in different murine colon carcinomas: Immunohistochemical analysis of vascular architecture and microenvironmental parameters. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004, 60, 310-321.	0.4	30
310	Optimization of the Auxiliary Ligand Shell of Cobalt(III)(8-hydroxyquinoline) Complexes as Model Hypoxia-Selective Radiation-Activated Prodrugs. <i>Radiation Research</i> , 2004, 162, 315-325.	0.7	39
311	Down-Regulation of Rad51 and Decreased Homologous Recombination in Hypoxic Cancer Cells. <i>Molecular and Cellular Biology</i> , 2004, 24, 8504-8518.	1.1	341
312	DNA-Targeted 1,2,4-Benzotriazine 1,4-Dioxides: Potent Analogues of the Hypoxia-Selective Cytotoxin Tirapazamine. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 475-488.	2.9	64
313	Investigation of thyroid, head, and neck cancers with PET. <i>Radiologic Clinics of North America</i> , 2004, 42, 1101-1111.	0.9	28
314	Tumor hypoxia is independent of hemoglobin and prognostic for loco-regional tumor control after primary radiotherapy in advanced head and neck cancer. <i>Acta Oncologica</i> , 2004, 43, 396-403.	0.8	135

#	ARTICLE	IF	CITATIONS
315	A Novel Design Strategy for Stable Metal Complexes of Nitrogen Mustards as Bioreductive Prodrugs. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 5683-5689.	2.9	51
316	Overexpression of Dimethylarginine Dimethylaminohydrolase Enhances Tumor Hypoxia: An Insight into the Relationship of Hypoxia and Angiogenesis In Vivo. <i>Neoplasia</i> , 2004, 6, 401-411.	2.3	25
317	Prognostic value of facilitative glucose transporter Glut-1 in oral squamous cell carcinomas treated by surgical resection. <i>European Journal of Cancer</i> , 2004, 40, 503-507.	1.3	81
318	Hypoxia in Renal Disease with Proteinuria and/or Glomerular Hypertension. <i>American Journal of Pathology</i> , 2004, 165, 1979-1992.	1.9	107
319	Functional imaging of intratumoral hypoxia. <i>Molecular Imaging and Biology</i> , 2004, 6, 291-305.	1.3	93
320	Utility of <sup>19</sup> F MRS detection of the hypoxic cell marker EF5 to assess cellular hypoxia in solid tumors. <i>Radiotherapy and Oncology</i> , 2004, 73, 359-366.	0.3	32
321	Radiotoxicity on bone marrow after <sup>89</sup> Sr therapy radiosensitized by nicotinamide and carbogen in mice. <i>Nuclear Medicine Communications</i> , 2004, 25, 701-704.	0.5	0
322	Carbonic anhydrase IX, a marker of hypoxia: Correlation with clinical outcome in transitional cell carcinoma of the bladder. <i>Oncology Reports</i> , 2004, 11, 1005.	1.2	11
323	Assessment of regional tumor hypoxia using <sup>18</sup> F-fluoromisonidazole and <sup>64</sup> Cu(II)-diacetyl-bis(N4-methylthiosemicarbazone) positron emission tomography: Comparative study featuring microPET imaging, Po <sub>2</sub> probe measurement, autoradiography, and fluorescent microscopy in the R3327-AT and FaDu rat tumor models. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 61, 1493-1502.	0.4	183
324	Effect of intratumoral heterogeneity in oxygenation status on FMISO PET, autoradiography, and electrode Po <sub>2</sub> measurements in murine tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 62, 854-861.	0.4	56
325	The vascular disrupting agent ZD6126 shows increased antitumor efficacy and enhanced radiation response in large, advanced tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 62, 846-853.	0.4	64
326	Hypoxic cell turnover in different solid tumor lines. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 62, 1157-1168.	0.4	79
327	Anemia, tumor hypoxemia, and the cancer patient. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 63, 25-36.	0.4	133
328	Assessing regional hypoxia in human renal tumours using <sup>18</sup> F-fluoromisonidazole positron emission tomography. <i>BJU International</i> , 2005, 96, 540-546.	1.3	122
329	The impact of anaemia on outcome in cancer. <i>International Journal of Laboratory Hematology</i> , 2005, 27, 1-13.	0.2	46
330	Genetic instability and the tumor microenvironment: towards the concept of microenvironment-induced mutagenesis. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2005, 569, 75-85.	0.4	146
331	Kinetic analysis of dynamic <sup>18</sup> F-fluoromisonidazole PET correlates with radiation treatment outcome in head-and-neck cancer. <i>BMC Cancer</i> , 2005, 5, 152.	1.1	156
332	Hypoxia in head and neck cancer: How much, how important?. <i>Head and Neck</i> , 2005, 27, 622-638.	0.9	151

#	ARTICLE	IF	CITATIONS
333	Radiotherapy alone or combined with carbogen breathing for squamous cell carcinoma of the head and neck. <i>Cancer</i> , 2005, 104, 332-337.	2.0	29
334	Absolute oxygen tension (pO <sub>2</sub> ) in murine fatty and muscle tissue as determined by EPR. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 1530-1535.	1.9	78
335	Utility of FMISO PET in advanced head and neck cancer treated with chemoradiation incorporating a hypoxia-targeting chemotherapy agent. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2005, 32, 1384-1391.	3.3	135
336	Blood Transfusion Requirements for Patients With Sarcomas Undergoing Combined Radio- and Chemotherapy. <i>Sarcoma</i> , 2005, 9, 119-125.	0.7	0
337	The effects of hypoxia on the theoretical modelling of tumour control probability. <i>Acta Oncologica</i> , 2005, 44, 563-571.	0.8	38
338	Hyperthermic Enhancement of Tumor Radiosensitization Strategies. <i>Immunological Investigations</i> , 2005, 34, 343-359.	1.0	22
339	Large-Scale Analysis of Genes that Alter Sensitivity to the Anticancer Drug Tirapazamine in <i>Saccharomyces cerevisiae</i> . <i>Molecular Pharmacology</i> , 2005, 68, 1365-1375.	1.0	22
340	A kinetic model for dynamic [18F]-Fmiso PET data to analyse tumour hypoxia. <i>Physics in Medicine and Biology</i> , 2005, 50, 2209-2224.	1.6	159
341	Conversion of polarographic electrode measurements to a computer based approach. <i>Physics in Medicine and Biology</i> , 2005, 50, 4581-4591.	1.6	2
342	DNA damage induced by a quinoxaline 1,4-di-N-oxide derivative (hypoxic selective agent) in Caco-2 cells evaluated by the comet assay. <i>Mutagenesis</i> , 2005, 20, 165-171.	1.0	20
343	Oxaliplatin combined with infusional 5-fluorouracil and concomitant radiotherapy in inoperable and metastatic rectal cancer: a phase I trial. <i>British Journal of Cancer</i> , 2005, 92, 655-661.	2.9	33
344	Oxygen distribution in murine tumors: characterization using oxygen-dependent quenching of phosphorescence. <i>Journal of Applied Physiology</i> , 2005, 98, 1503-1510.	1.2	90
345	Microenvironmental Effects on Tumour Progression and Metastasis. , 2005, , 1-22.		2
346	Hypoxia-regulated glucose transporter Glut-1 may influence chemosensitivity to some alkylating agents: Results of EORTC (First Translational Award) study of the relevance of tumour hypoxia to the outcome of chemotherapy in human tumour-derived xenografts. <i>International Journal of Oncology</i> , 2005, 26, 1477-84.	1.4	17
347	A Noninvasive Approach for Assessing Tumor Hypoxia in Xenografts: Developing a Urinary Marker for Hypoxia. <i>Cancer Research</i> , 2005, 65, 6151-6158.	0.4	10
348	Measurement of Hypoxia-related Parameters in Bronchial Mucosa by Use of Optical Spectroscopy. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 171, 1178-1184.	2.5	54
349	Combination therapy with bacteria and angiogenesis inhibitors: Strangling cancer without mercy. <i>Cancer Biology and Therapy</i> , 2005, 4, 846-847.	1.5	4
350	The hypoxic proteome is influenced by gene-specific changes in mRNA translation. <i>Radiotherapy and Oncology</i> , 2005, 76, 177-186.	0.3	105

#	ARTICLE	IF	CITATIONS
351	Prognostic value of tumor oxygenation in 397 head and neck tumors after primary radiation therapy. An international multi-center study. <i>Radiotherapy and Oncology</i> , 2005, 77, 18-24.	0.3	867
352	Current Imaging Paradigms in Radiation Oncology. <i>Radiation Research</i> , 2005, 163, 1-25.	0.7	62
353	Imaging hypoxia and angiogenesis in tumors. <i>Radiologic Clinics of North America</i> , 2005, 43, 169-187.	0.9	138
354	Relationship between radiobiological hypoxia in a C3H mouse mammary carcinoma and osteopontin levels in mouse serum. <i>International Journal of Radiation Biology</i> , 2005, 81, 937-944.	1.0	18
355	Hypoxia-Induced Phosphorylation of Chk2 in an Ataxia Telangiectasia Mutated-Dependent Manner. <i>Cancer Research</i> , 2005, 65, 10734-10741.	0.4	85
356	Preoperative radiochemotherapy and radical resection for stages II-IV oral and oropharyngeal cancer: outcome of 222 patients. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2005, 34, 143-148.	0.7	29
357	Preoperative radiochemotherapy and radical resection for stages II to IV oral and oropharyngeal cancer: grade of regression as crucial prognostic factor. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2005, 34, 262-267.	0.7	24
358	Cell line-dependent differences in uptake and retention of the hypoxia-selective nuclear imaging agent Cu-ATSM. <i>Nuclear Medicine and Biology</i> , 2005, 32, 623-630.	0.3	98
359	Efaproxiral: A Radiation Enhancer Used in Brain Metastases from Breast Cancer. <i>Annals of Pharmacotherapy</i> , 2005, 39, 2038-2045.	0.9	1
360	Tumour Oxygenation: The Importance of Hypoxia, Anemia, and Angiogenesis in Radiation Therapy. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2005, 36, 21-33.	0.1	2
361	Erythropoietin Biology in Cancer. <i>Clinical Cancer Research</i> , 2006, 12, 332-339.	3.2	201
362	Cancer Drug Resistance. , 2006, , .		21
364	A model to simulate tumour oxygenation and dynamic [18F]-Fmiso PET data. <i>Physics in Medicine and Biology</i> , 2006, 51, 5859-5873.	1.6	76
365	The Effect of Darbepoetin Alfa on Growth, Oxygenation and Radioresponsiveness of a Breast Adenocarcinoma. <i>Radiation Research</i> , 2006, 165, 192-201.	0.7	12
366	Reassessment of the role of induction chemotherapy for head and neck cancer. <i>Lancet Oncology</i> , The, 2006, 7, 565-574.	5.1	53
367	Hypoxia induced by benign intestinal epithelial cells is associated with cyclooxygenase-2 expression in stromal cells through AP-1-dependent pathway. <i>Oncogene</i> , 2006, 25, 3277-3285.	2.6	8
368	Tirapazamine causes vascular dysfunction in HCT-116 tumour xenografts. <i>Radiotherapy and Oncology</i> , 2006, 78, 138-145.	0.3	17
369	The prognostic value of pimonidazole and tumour pO <sub>2</sub> in human cervix carcinomas after radiation therapy: A prospective international multi-center study. <i>Radiotherapy and Oncology</i> , 2006, 80, 123-131.	0.3	98



#	ARTICLE	IF	CITATIONS
370	Imaging hypoxia after oxygenation-modification: Comparing [18F]FMISO autoradiography with pimonidazole immunohistochemistry in human xenograft tumors. <i>Radiotherapy and Oncology</i> , 2006, 80, 157-164.	0.3	72
371	Hypoxia in relation to vasculature and proliferation in liver metastases in patients with colorectal cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006, 64, 473-482.	0.4	68
372	Hypoxia in human colorectal adenocarcinoma: Comparison between extrinsic and potential intrinsic hypoxia markers. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006, 65, 246-254.	0.4	64
373	Clinical Significance of Immunohistochemical Expression of Hypoxia-Inducible Factor <sup>1</sup> as a Prognostic Marker in Rectal Adenocarcinoma. <i>Clinical Colorectal Cancer</i> , 2006, 5, 350-353.	1.0	26
374	Patterns of tumor oxygenation and their influence on the cellular hypoxic response and hypoxia-directed therapies. <i>Drug Resistance Updates</i> , 2006, 9, 185-197.	6.5	37
375	Combined Modality Approaches Using Vasculature-disrupting Agents. , 2006, , 123-136.		7
376	Tumor Vasculature: a Target for Anticancer Therapies. , 2006, , 1-8.		11
377	PET-Based Biological Imaging for Radiation Therapy Treatment Planning. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2006, 16, 61-102.	0.4	15
379	Erythropoietin or Darbepoetin for patients with cancer. , 2006, , CD003407.		106
380	Tumor Hypoxia and Prognosis in Human Gliomas. <i>Cancer Journal (Sudbury, Mass )</i> , 2006, 12, 451-454.	1.0	3
381	Oxygenated and reoxygenated tumors show better local control in radiation therapy for cervical cancer. <i>International Journal of Gynecological Cancer</i> , 2006, 16, 306-311.	1.2	35
382	Prognostic Value of Haemoglobin Levels During Concurrent Radio-chemotherapy in the Treatment of Oesophageal Cancer. <i>Clinical Oncology</i> , 2006, 18, 139-144.	0.6	23
383	Prospective study on stereotactic radiotherapy of limited-stage non-small-cell lung cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006, 66, S128-S135.	0.4	78
384	Advances in methods for assessing tumor hypoxia in vivo: Implications for treatment planning. <i>Cancer and Metastasis Reviews</i> , 2006, 25, 469-480.	2.7	33
385	Expression of hypoxia-inducible factor (HIF)-1 as a biomarker of outcome in soft-tissue sarcomas. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2006, 449, 673-681.	1.4	51
386	Influence of Pretreatment Polarographically Measured Oxygenation Levels in Spontaneous Canine Tumors Treated with Radiation Therapy. <i>Strahlentherapie Und Onkologie</i> , 2006, 182, 518-524.	1.0	13
387	Impact of Hemoglobin Levels on Tumor Oxygenation: the Higher, the Better?. <i>Strahlentherapie Und Onkologie</i> , 2006, 182, 63-71.	1.0	120
388	Radiolytic and cellular reduction of a novel hypoxia-activated cobalt(III) prodrug of a chloromethylbenzindoline DNA minor groove alkylator. <i>Biochemical Pharmacology</i> , 2006, 71, 1683-1694.	2.0	68



#	ARTICLE	IF	CITATIONS
389	Novel Therapeutic Targets: The PERKs of Inhibiting the Integrated Stress Response. <i>Cell Cycle</i> , 2006, 5, 2874-2877.	1.3	11
390	Effect of Reoxygenation on the Hypoxia-Induced Up-Regulation of Serine Protease Inhibitor PAI-1 in Head and Neck Cancer Cells. <i>Oncology</i> , 2006, 71, 282-291.	0.9	14
391	Dose escalation to combat hypoxia in prostate cancer: a radiobiological study on clinical data. <i>British Journal of Radiology</i> , 2006, 79, 905-911.	1.0	35
393	Hypoxia in head and neck cancer. <i>British Journal of Radiology</i> , 2006, 79, 791-798.	1.0	76
394	Expression of Erythropoietin and Erythropoietin Receptor in Cervical Cancer and Relationship to Survival, Hypoxia, and Apoptosis. <i>Clinical Cancer Research</i> , 2006, 12, 6894-6900.	3.2	44
395	Tumor Hypoxia Imaging: Fig. 1.. <i>Clinical Cancer Research</i> , 2006, 12, 5260-5264.	3.2	45
396	Carbon Beam Therapy Overcomes the Radiation Resistance of Uterine Cervical Cancer Originating from Hypoxia. <i>Clinical Cancer Research</i> , 2006, 12, 2185-2190.	3.2	126
397	Effects of oxygen on intrinsic radiation sensitivity: A test of the relationship between aerobic and	1.6	117
398	Adapting radiotherapy to hypoxic tumours. <i>Physics in Medicine and Biology</i> , 2006, 51, 4903-4921.	1.6	70
399	Pathophysiologic Effects of Vascular-Targeting Agents and the Implications for Combination with Conventional Therapies. <i>Cancer Research</i> , 2006, 66, 11520-11539.	0.4	237
400	Analysis of Prognostic Variables among Patients with Locally Advanced Head and Neck Cancer Treated with Late Chemo-Intensification Protocol: Impact of Nodal Density and Total Tumor Volume. <i>Japanese Journal of Clinical Oncology</i> , 2006, 36, 537-546.	0.6	16
401	Expression of the Hypoxia Marker Carbonic Anhydrase 9 Is Associated with Anaplastic Phenotypes in Meningiomas. <i>Clinical Cancer Research</i> , 2007, 13, 68-75.	3.2	30
402	Detecting changes in tumor hypoxia with carbonic anhydrase IX and pimonidazole. <i>Cancer Biology and Therapy</i> , 2007, 6, 70-75.	1.5	38
403	The Effects of Efavoxynâ„¢ (Efaproxiral) on Subcutaneous RIF-1 Tumor Oxygenation and Enhancement of Radiotherapy-Mediated Inhibition of Tumor Growth in Mice. <i>Radiation Research</i> , 2007, 168, 218-225.	0.7	30
404	Detection and Characterization of Tumor Hypoxia Using pO <sub>2</sub> Histography. <i>Antioxidants and Redox Signaling</i> , 2007, 9, 1221-1236.	2.5	628
405	Multi-Detector Computed Tomography in Oncology. , 0, , .		6
406	Mechanism of Action and Preclinical Antitumor Activity of the Novel Hypoxia-Activated DNA Cross-Linking Agent PR-104. <i>Clinical Cancer Research</i> , 2007, 13, 3922-3932.	3.2	208
407	Lack of Apoptotic Protease Activating Factor-1 Expression and Resistance to Hypoxia-Induced Apoptosis in Cervical Cancer. <i>Clinical Cancer Research</i> , 2007, 13, 1149-1153.	3.2	7

#	ARTICLE	IF	CITATIONS
408	Visualization of Hypoxia in Microscopic Tumors by Immunofluorescent Microscopy. <i>Cancer Research</i> , 2007, 67, 7646-7653.	0.4	111
409	Metallothionein is up-regulated under hypoxia and promotes the survival of human prostate cancer cells. <i>Oncology Reports</i> , 2007, 18, 1145.	1.2	20
410	The influence of tumor oxygenation on hypoxia imaging in murine squamous cell carcinoma using [64Cu]Cu-ATSM or [18F]Fluoromisonidazole positron emission tomography. <i>International Journal of Oncology</i> , 2007, 30, 873.	1.4	15
411	Hemodynamic responses to antivasular therapy and ionizing radiation assessed by diffuse optical spectroscopies. <i>Optics Express</i> , 2007, 15, 15507.	1.7	51
412	Interrelation of directly measured oxygenation levels, erythropoietin and erythropoietin receptor expression in spontaneous canine tumours. <i>European Journal of Cancer</i> , 2007, 43, 963-967.	1.3	4
413	Genome-wide expression analysis using microarray identified complex signaling pathways modulated by hypoxia in nasopharyngeal carcinoma. <i>Cancer Letters</i> , 2007, 253, 74-88.	3.2	50
414	Differential risk assessments from five hypoxia specific assays: The basis for biologically adapted individualized radiotherapy in advanced head and neck cancer patients. <i>Radiotherapy and Oncology</i> , 2007, 83, 389-397.	0.3	80
415	Hypoxia Positron Emission Tomography Imaging With 18F-Fluoromisonidazole. <i>Seminars in Nuclear Medicine</i> , 2007, 37, 451-461.	2.5	274
416	Repetitive Tissue pO <sub>2</sub> Measurements by Electron Paramagnetic Resonance Oximetry: Current Status and Future Potential for Experimental and Clinical Studies. <i>Antioxidants and Redox Signaling</i> , 2007, 9, 1169-1182.	2.5	121
417	Tumor Hypoxia in Cancer Therapy. <i>Methods in Enzymology</i> , 2007, 435, 295-321.	0.4	254
418	The Potential Role of Intrinsic Hypoxia Markers as Prognostic Variables in Cancer. <i>Antioxidants and Redox Signaling</i> , 2007, 9, 1237-1294.	2.5	81
419	Bystander Effects of Bioreductive Drugs: Potential for Exploiting Pathological Tumor Hypoxia with Dinitrobenzamide Mustards. <i>Radiation Research</i> , 2007, 167, 625-636.	0.7	61
420	Pharmacokinetic/Pharmacodynamic Model-Guided Identification of Hypoxia-Selective 1,2,4-Benzotriazine 1,4-Dioxides with Antitumor Activity: The Role of Extravascular Transport. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 6392-6404.	2.9	40
421	Hypoxia-Selective 3-Alkyl 1,2,4-Benzotriazine 1,4-Dioxides: The Influence of Hydrogen Bond Donors on Extravascular Transport and Antitumor Activity. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 6654-6664.	2.9	43
422	Hypoxic Regulation of Glucose Transport, Anaerobic Metabolism and Angiogenesis in Cancer: Novel Pathways and Targets for Anticancer Therapeutics. <i>Chemotherapy</i> , 2007, 53, 233-256.	0.8	299
423	Targeting tumors with hypoxia-activated cytotoxins. <i>Frontiers in Bioscience - Landmark</i> , 2007, 12, 3483.	3.0	54
424	Hypoxia and prognosis: the oxygen tension mounts. <i>Frontiers in Bioscience - Landmark</i> , 2007, 12, 3502.	3.0	8
425	Radiotherapy predictive assays. , 2007, , 35-50.		1

#	ARTICLE	IF	CITATIONS
426	8â€fâ€fThe oxygen effect. , 2007, , 138-157.		5
427	10â€fâ€fInter-tumour heterogeneity and tumour control. , 2007, , 169-195.		4
428	Multispectral quantification of tissue types in a RIF-1 tumor model with histological validation. Part I. Magnetic Resonance in Medicine, 2007, 57, 501-512.	1.9	37
429	Vascular Damaging Agents. Clinical Oncology, 2007, 19, 443-456.	0.6	122
430	Correlation of radiation response with tumor oxygenation in the Dunning prostate R3327-AT1 tumor. International Journal of Radiation Oncology Biology Physics, 2007, 67, 1179-1186.	0.4	47
431	Hypoxia Dose Painting by Numbers: A Planning Study. International Journal of Radiation Oncology Biology Physics, 2007, 68, 291-300.	0.4	269
432	A Model of Reoxygenation Dynamics of Head-And-Neck Tumors Based on Serial 18F-Fluoromisonidazole Positron Emission Tomography Investigations. International Journal of Radiation Oncology Biology Physics, 2007, 68, 515-521.	0.4	76
433	Expression and Prognostic Significance of a Panel of Tissue Hypoxia Markers in Head-and-Neck Squamous Cell Carcinomas. International Journal of Radiation Oncology Biology Physics, 2007, 69, 167-175.	0.4	111
434	Oxygen Dependence and Extravascular Transport of Hypoxia-Activated Prodrugs: Comparison of the Dinitrobenzamide Mustard PR-104A and Tirapazamine. International Journal of Radiation Oncology Biology Physics, 2007, 69, 560-571.	0.4	66
435	Hypoxia-regulated carbonic anhydrase IX expression is associated with poor survival in patients with invasive breast cancer. British Journal of Cancer, 2007, 96, 104-109.	2.9	184
436	Reduction rate of lymph node metastasis as a significant prognostic factor in esophageal cancer patients treated with neoadjuvant chemoradiation therapy. Ecological Management and Restoration, 2007, 20, 94-101.	0.2	8
437	Induction of plasminogen activator inhibitor type-1 (PAI-1) by hypoxia and irradiation in human head and neck carcinoma cell lines. BMC Cancer, 2007, 7, 143.	1.1	17
438	Oxygen sensing and the DNA-damage response. Current Opinion in Cell Biology, 2007, 19, 680-684.	2.6	46
439	Tumor hypoxia and expression of c-met in cervical cancer. Gynecologic Oncology, 2007, 104, 181-185.	0.6	16
440	Anemia correction in malignancy management: Threat or opportunity?. Gynecologic Oncology, 2007, 105, 517-529.	0.6	20
441	Simultaneous application of the vascular endothelial growth factor (VEGF) receptor inhibitor PTK787/ZK 222584 and ionizing radiation does not further reduce the growth of canine oral melanoma xenografts in nude mice. Veterinary Journal, 2007, 173, 564-570.	0.6	3
442	Determination of tumour hypoxia with the PET tracer [18F]EF3: improvement of the tumour-to-background ratio in a mouse tumour model. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 1348-1354.	3.3	20
443	Hypoxia and radiotherapy: opportunities for improved outcomes in cancer treatment. Cancer and Metastasis Reviews, 2007, 26, 241-248.	2.7	364

#	ARTICLE	IF	CITATIONS
445	Versatile Nitro-Fluorophore as Highly Effective Sensor for Hypoxic Tumor Cells: Design, Imaging and Evaluation. <i>Journal of Fluorescence</i> , 2008, 18, 591-597.	1.3	27
446	FDG uptake, a surrogate of tumour hypoxia?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 1544-1549.	3.3	84
447	Cellular uptake of PET tracers of glucose metabolism and hypoxia and their linkage. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 2294-2303.	3.3	104
448	Neoadjuvant Radiochemotherapy and Radical Resection for Advanced Squamous Cell Carcinoma of the Oral Cavity. <i>Strahlentherapie Und Onkologie</i> , 2008, 184, 23-29.	1.0	46
450	Squamous-cell Carcinoma of the Anal Canal: Predictors of Treatment Outcome. <i>Diseases of the Colon and Rectum</i> , 2008, 51, 147-153.	0.7	100
451	Tumor Hypoxia Detected by Positron Emission Tomography with <sup>60</sup> Cu-ATSM as a Predictor of Response and Survival in Patients Undergoing Neoadjuvant Chemoradiotherapy for Rectal Carcinoma: A Pilot Study. <i>Diseases of the Colon and Rectum</i> , 2008, 51, 1641-1648.	0.7	151
452	FX-478, an inhibitor of hypoxia-inducible factor-1 $\alpha$ , enhances radiosensitivity of prostate carcinoma cells. <i>International Journal of Cancer</i> , 2008, 123, 2430-2437.	2.3	95
453	Hypoxia Inducible Factor-1 $\alpha$ and Vascular Endothelial Growth Factor Expression are Associated with a Poor Prognosis in Patients with Nasopharyngeal Carcinoma Receiving Radiotherapy with Carbogen and Nicotinamide. <i>Clinical Oncology</i> , 2008, 20, 606-612.	0.6	45
455	The Influence of Changes in Tumor Hypoxia on Dose-Painting Treatment Plans Based on <sup>18</sup> F-FMISO Positron Emission Tomography. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 70, 1219-1228.	0.4	168
456	Tricyclic [1,2,4]Triazine 1,4-Dioxides As Hypoxia Selective Cytotoxins. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 6853-6865.	2.9	66
457	Impact of hemoglobin level on survival in definitive chemoradiotherapy for T4/M1 lymph node esophageal cancer. <i>Ecological Management and Restoration</i> , 2008, 21, 195-200.	0.2	21
458	From Cellular to High-Throughput Predictive Assays in Radiation Oncology: Challenges and Opportunities. <i>Seminars in Radiation Oncology</i> , 2008, 18, 75-88.	1.0	45
459	Molecular Imaging II. <i>Handbook of Experimental Pharmacology</i> , 2008, , .	0.9	2
460	[ <sup>64</sup> Cu]diacetyl-bis(N4-methyl-thiosemicarbazone) as a radiotracer for tumor hypoxia. <i>Nuclear Medicine and Biology</i> , 2008, 35, 393-400.	0.3	33
461	Hypoxia in microscopic tumors. <i>Cancer Letters</i> , 2008, 264, 172-180.	3.2	60
462	Multi-functional nanocarriers to overcome tumor drug resistance. <i>Cancer Treatment Reviews</i> , 2008, 34, 592-602.	3.4	381
463	The role of hypoxia in canine cancer. <i>Veterinary and Comparative Oncology</i> , 2008, 6, 213-223.	0.8	9
464	An imaging-based tumour growth and treatment response model: investigating the effect of tumour oxygenation on radiation therapy response. <i>Physics in Medicine and Biology</i> , 2008, 53, 4471-4488.	1.6	64

#	ARTICLE	IF	CITATIONS
465	Tissue oxygenation in a murine SCC VII tumor after X-ray irradiation as determined by EPR spectroscopy. <i>Radiotherapy and Oncology</i> , 2008, 86, 354-360.	0.3	24
466	Enhanced local tumour control after single or fractionated radiation treatment using the hypoxic cell radiosensitizer doranidazole. <i>Radiotherapy and Oncology</i> , 2008, 87, 331-338.	0.3	16
467	[18F]â€labeled PET and PET/CT Compounds in Oncology. , 2008, , 141-196.		2
468	Lack of Hypoxic Response in Uterine Leiomyomas despite Severe Tissue Hypoxia. <i>Cancer Research</i> , 2008, 68, 4719-4726.	0.4	85
469	Biological image-guided radiotherapy in rectal cancer: Is there a role for FMISO or FLT, next to FDG?. <i>Acta OncolÃ³gica</i> , 2008, 47, 1237-1248.	0.8	76
470	18F-EF5: A New PET Tracer for Imaging Hypoxia in Head and Neck Cancer. <i>Journal of Nuclear Medicine</i> , 2008, 49, 1944-1951.	2.8	182
471	In Vitro and In Vivo Evaluations of a Hydrophilic <sup>64</sup> Cu-Bis(Thiosemicarbonato)â€Glucose Conjugate for Hypoxia Imaging. <i>Journal of Nuclear Medicine</i> , 2008, 49, 1862-1868.	2.8	51
472	Molecular Imaging: Reporter Gene Imaging. <i>Handbook of Experimental Pharmacology</i> , 2008, , 167-223.	0.9	45
473	The impact of hypoxia on the activity of lactate dehydrogenase in two different pre-clinical tumour models. <i>Acta OncolÃ³gica</i> , 2008, 47, 941-947.	0.8	22
474	Plasma Osteopontin, Hypoxia, and Response to Radiotherapy in Nasopharyngeal Cancer. <i>Clinical Cancer Research</i> , 2008, 14, 7080-7087.	3.2	35
476	Efficient Monte Carlo modelling of individual tumour cell propagation for hypoxic head and neck cancer. <i>Physics in Medicine and Biology</i> , 2008, 53, 4489-4507.	1.6	18
477	Imaging and Analytical Methods as Applied to the Evaluation of Vasculature and Hypoxia in Human Brain Tumors. <i>Radiation Research</i> , 2008, 170, 677-690.	0.7	48
478	Vascular oxygen content and the tissue oxygenation-A theoretical analysis. <i>Medical Physics</i> , 2008, 35, 539-545.	1.6	21
479	Vascular endothelial growth factor is an autocrine survival factor for breast tumour cells under hypoxia. <i>International Journal of Oncology</i> , 2008, , .	1.4	22
480	Measurement of hypoxia using invasive oxygen-sensitive electrode, pimonidazole binding and 18F-FDG uptake in anaemic or erythropoietin-treated mice bearing human glioma xenografts. <i>International Journal of Oncology</i> , 0, , .	1.4	3
481	Erythropoietin in Cancer: An Update. <i>Current Molecular Medicine</i> , 2008, 8, 481-491.	0.6	21
482	Elevated CAIX Expression is Associated with an Increased Risk of Distant Failure in Early-Stage Cervical Cancer. <i>Biomarker Insights</i> , 2008, 3, BMI.S570.	1.0	30
484	Small-Molecule Activation of p53 Blocks Hypoxia-Inducible Factor 1Î± 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, 2243-2253.	1.1	89

#	ARTICLE	IF	CITATIONS
485	Carbogen breathing increases prostate cancer oxygenation: a translational MRI study in murine xenografts and humans. <i>British Journal of Cancer</i> , 2009, 100, 644-648.	2.9	56
486	Hypoxia Enhances the Replication of Oncolytic Herpes Simplex Virus. <i>Molecular Therapy</i> , 2009, 17, 51-56.	3.7	64
487	Expression of the cellular oxygen sensor PHD2 (EGLN-1) predicts radiation sensitivity in squamous cell cancer of the head and neck. <i>International Journal of Radiation Biology</i> , 2009, 85, 900-908.	1.0	9
488	Complementary but Distinct Roles for MRI and <sup>18</sup> F-Fluoromisonidazole PET in the Assessment of Human Glioblastomas. <i>Journal of Nuclear Medicine</i> , 2009, 50, 36-44.	2.8	137
490	Increase in gene dosage is a mechanism of HIF-1 $\alpha$ constitutive expression in head and neck squamous cell carcinomas. <i>Genes Chromosomes and Cancer</i> , 2009, 48, 441-454.	1.5	18
491	Molecular imaging of hypoxia with radiolabelled agents. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009, 36, 1674-1686.	3.3	190
492	A phase I study of the nitroimidazole hypoxia marker SR4554 using <sup>19</sup> F magnetic resonance spectroscopy. <i>British Journal of Cancer</i> , 2009, 101, 1860-1868.	2.9	34
493	Expression of the cellular oxygen sensor PHD2 (EGLN-1) predicts radiation sensitivity in squamous cell cancer of the head and neck. <i>International Journal of Radiation Biology</i> , 2009, 85, 900-908.	1.0	14
494	On the sensitivity of IMRT dose optimization to the mathematical form of a biological imaging-based prescription function. <i>Physics in Medicine and Biology</i> , 2009, 54, 1483-1501.	1.6	57
497	Phase II Study of Nitric Oxide Donor for Men With Increasing Prostate-specific Antigen Level After Surgery or Radiotherapy for Prostate Cancer. <i>Urology</i> , 2009, 74, 878-883.	0.5	92
498	Prognostic significance of angiogenesis in surgically treated supraglottic squamous cell carcinomas of the larynx. <i>Acta Otorrinolaringologica (English Edition)</i> , 2009, 60, 272-277.	0.1	5
499	The radiation response of cells from 9L gliosarcoma tumours is correlated with [F18]-EF5 uptake. <i>International Journal of Radiation Biology</i> , 2009, 85, 1137-1147.	1.0	21
500	Evaluation of a compartmental model for estimating tumor hypoxia via FMISO dynamic PET imaging. <i>Physics in Medicine and Biology</i> , 2009, 54, 3083-3099.	1.6	61
501	Proteins upregulated by mild and severe hypoxia in squamous cell carcinomas in vitro identified by proteomics. <i>Radiotherapy and Oncology</i> , 2009, 92, 443-449.	0.3	35
502	Can hypoxia-PET map hypoxic cell density heterogeneity accurately in an animal tumor model at a clinically obtainable image contrast?. <i>Radiotherapy and Oncology</i> , 2009, 92, 429-436.	0.3	50
503	Modeling acute and chronic hypoxia using serial images of PET. <i>Medical Physics</i> , 2009, 36, 4400-4408.	1.6	33
504	ATF4, an ER Stress and Hypoxia-Inducible Transcription Factor and its Potential Role in Hypoxia Tolerance and Tumorigenesis. <i>Current Molecular Medicine</i> , 2009, 9, 411-416.	0.6	105
505	Current Advancement in Radiation Therapy for Uterine Cervical Cancer. <i>Journal of Radiation Research</i> , 2010, 51, 1-8.	0.8	43



#	ARTICLE	IF	CITATIONS
506	Biodistribution and dosimetry of <sup>18</sup> F-EF5 in cancer patients with preliminary comparison of <sup>18</sup> F-EF5 uptake versus EF5 binding in human glioblastoma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010, 37, 2048-2059.	3.3	55
507	Genome-wide identification and annotation of HIF-1 $\pm$ binding sites in two cell lines using massively parallel sequencing. <i>The HUGO Journal</i> , 2010, 4, 35-48.	4.1	43
508	Radiotherapy versus radiochemotherapy with cisplatin in treatment of cervical cancer. <i>Medical Oncology</i> , 2010, 27, 1-8.	1.2	10
509	Focal dose escalation using FDG-PET-guided intensity-modulated radiation therapy boost for postoperative local recurrent rectal cancer: a planning study with comparison of DVH and NTCP. <i>BMC Cancer</i> , 2010, 10, 127.	1.1	23
510	Lysyl oxidase expression is an independent marker of prognosis and a predictor of lymph node metastasis in oral and oropharyngeal squamous cell carcinoma (OSCC). <i>International Journal of Cancer</i> , 2010, 126, 2653-2662.	2.3	56
511	Comparative study of tumor hypoxia by diffuse optical spectroscopy and immunohistochemistry in two tumor models. <i>Journal of Biophotonics</i> , 2010, 3, 743-751.	1.1	11
512	Pharmacokinetic Analysis of Hypoxia <sup>18</sup> F-Fluoromisonidazole Dynamic PET in Head and Neck Cancer. <i>Journal of Nuclear Medicine</i> , 2010, 51, 37-45.	2.8	68
513	Exploring new potentials and generating hypothesis for management of locally advanced head neck cancer: Analysis of pooled data from two phase II trials. <i>Journal of Cancer Research and Therapeutics</i> , 2010, 6, 185.	0.3	2
514	Biological Rationales and Clinical Applications of Temperature Controlled Hyperthermia - Implications for Multimodal Cancer Treatments. <i>Current Medicinal Chemistry</i> , 2010, 17, 3045-3057.	1.2	80
515	Role of Anemia Prior to Radiation Treatment in Local Recurrence and Survival After Breast Conservation Treatment for Early-Stage Breast Cancer. <i>Clinical Breast Cancer</i> , 2010, 10, 74-80.	1.1	1
516	The remarkable yin and yang of tumour hypoxia. <i>International Journal of Radiation Biology</i> , 2010, 86, 907-917.	1.0	19
517	HPV-associated p16-expression and response to hypoxic modification of radiotherapy in head and neck cancer. <i>Radiotherapy and Oncology</i> , 2010, 94, 30-35.	0.3	177
518	Implementation of hypoxia imaging into treatment planning and delivery. <i>Radiotherapy and Oncology</i> , 2010, 97, 172-175.	0.3	83
519	Assessing hypoxia in animal tumor models based on pharmacokinetic analysis of dynamic FAZA PET. <i>Acta Oncologica</i> , 2010, 49, 922-933.	0.8	35
520	Identifying hypoxia in human tumors: A correlation study between <sup>18</sup> F-FMISO PET and the Eppendorf oxygen-sensitive electrode. <i>Acta Oncologica</i> , 2010, 49, 934-940.	0.8	74
521	Identifying pH independent hypoxia induced genes in human squamous cell carcinomas <i>in vitro</i> . <i>Acta Oncologica</i> , 2010, 49, 895-905.	0.8	88
523	Current state of knowledge regarding the use of antiangiogenic agents with radiation therapy. <i>Cancer Treatment Reviews</i> , 2011, 37, 476-86.	3.4	29
524	Investigation of hypoxia and carbonic anhydrase IX expression in a renal cell carcinoma xenograft model with oxygen tension measurements and <sup>124</sup> I-cG250 PET/CT. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2011, 29, 411-420.	0.8	39



#	ARTICLE	IF	CITATIONS
525	Hypoxic modification of radiotherapy in squamous cell carcinoma of the head and neck – A systematic review and meta-analysis. <i>Radiotherapy and Oncology</i> , 2011, 100, 22-32.	0.3	404
526	Changes in the fraction of total hypoxia and hypoxia subtypes in human squamous cell carcinomas upon fractionated irradiation: Evaluation using pattern recognition in microcirculatory supply units. <i>Radiotherapy and Oncology</i> , 2011, 101, 209-216.	0.3	17
527	miR-210 as a marker of chronic hypoxia, but not a therapeutic target in prostate cancer. <i>Radiotherapy and Oncology</i> , 2011, 101, 203-208.	0.3	37
528	Assessing radiation response using hypoxia PET imaging and oxygen sensitive electrodes: A preclinical study. <i>Radiotherapy and Oncology</i> , 2011, 99, 418-423.	0.3	40
529	Advancing radiation oncology through scientific publication – 100 volumes of <i>Radiotherapy and Oncology</i> . <i>Radiotherapy and Oncology</i> , 2011, 100, 1-6.	0.3	18
530	Antivascular therapy in gynaecological cancers. , 0, , 121-138.		1
531	Radiation therapy for neovascular age-related macular degeneration. <i>Clinical Ophthalmology</i> , 2011, 5, 57.	0.9	34
532	Nuclear factor- $\kappa$ B2/p100 promotes endometrial carcinoma cell survival under hypoxia in a HIF-1 $\alpha$ independent manner. <i>Laboratory Investigation</i> , 2011, 91, 859-871.	1.7	33
533	Multi-modal strategies for overcoming tumor drug resistance: Hypoxia, the Warburg effect, stem cells, and multifunctional nanotechnology. <i>Journal of Controlled Release</i> , 2011, 155, 237-247.	4.8	112
534	Hypoxia-induced autophagic response is associated with aggressive phenotype and elevated incidence of metastasis in orthotopic immunocompetent murine models of head and neck squamous cell carcinomas (HNSCC). <i>Experimental and Molecular Pathology</i> , 2011, 90, 215-225.	0.9	38
535	Techniques of assessing hypoxia at the bench and bedside. <i>Angiogenesis</i> , 2011, 14, 119-124.	3.7	8
536	Necrosis and Angioinvasion Predict Adverse Outcome in Pancreatic Neuroendocrine Tumors After Curative Surgical Resection: Results of a Single-Center Series. <i>World Journal of Surgery</i> , 2011, 35, 2764-2772.	0.8	14
537	<sup>18</sup> F-fluoromisonidazole positron emission tomography before treatment is a predictor of radiotherapy outcome and survival prognosis in patients with head and neck squamous cell carcinoma. <i>Annals of Nuclear Medicine</i> , 2011, 25, 625-633.	1.2	88
538	In vivo Identification and Specificity assessment of mRNA markers of hypoxia in human and mouse tumors. <i>BMC Cancer</i> , 2011, 11, 63.	1.1	12
539	Antivascular Effects of Neoadjuvant Androgen Deprivation for Prostate Cancer: An In Vivo Human Study Using Susceptibility and Relaxivity Dynamic MRI. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 80, 721-727.	0.4	54
540	Synthesis, hypoxia-selective cytotoxicity of new 3-amino-1,2,4-benzotriazine-1,4-dioxide derivatives. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 919-926.	2.6	20
541	Inhibition of hypoxia-induced miR-155 radiosensitizes hypoxic lung cancer cells. <i>Cancer Biology and Therapy</i> , 2011, 12, 908-914.	1.5	108
542	Modelling of the oxygen enhancement ratio for ion beam radiation therapy. <i>Physics in Medicine and Biology</i> , 2011, 56, 3251-3268.	1.6	111

#	ARTICLE	IF	CITATIONS
545	Development of a Hypoxia Gene Expression Classifier with Predictive Impact for Hypoxic Modification of Radiotherapy in Head and Neck Cancer. <i>Cancer Research</i> , 2011, 71, 5923-5931.	0.4	226
546	Monte Carlo radiotherapy simulations of accelerated repopulation and reoxygenation for hypoxic head and neck cancer. <i>British Journal of Radiology</i> , 2011, 84, 903-918.	1.0	24
547	Dose prescription and treatment planning based on FMISO-PET hypoxia. <i>Acta Oncologica</i> , 2012, 51, 222-230.	0.8	85
548	Modeling the Spatial Distribution of Chronic Tumor Hypoxia: Implications for Experimental and Clinical Studies. <i>Computational and Mathematical Methods in Medicine</i> , 2012, 2012, 1-11.	0.7	50
549	Hypoxia in Head and Neck Squamous Cell Carcinoma. <i>ISRN Otolaryngology</i> , 2012, 2012, 1-8.	0.9	27
550	Revisiting the ultra-high dose rate effect: implications for charged particle radiotherapy using protons and light ions. <i>British Journal of Radiology</i> , 2012, 85, e933-e939.	1.0	62
551	An approach to identify, from DCE MRI, significant subvolumes of tumors related to outcomes in	1.6	59
552	Anthracycline Inhibits Recruitment of Hypoxia-inducible Transcription Factors and Suppresses Tumor Cell Migration and Cardiac Angiogenic Response in the Host. <i>Journal of Biological Chemistry</i> , 2012, 287, 34866-34882.	1.6	40
553	Suppression of HIF-1 $\alpha$ expression and radiation resistance in acute hypoxic conditions. <i>Experimental and Therapeutic Medicine</i> , 2012, 3, 141-145.	0.8	13
554	<sup>18</sup> F-HX4 hypoxia imaging with PET/CT in head and neck cancer. <i>Nuclear Medicine Communications</i> , 2012, 33, 1096-1102.	0.5	83
555	Laser photocoagulation for choroidal neovascularization. , 2012, , 239-242.		0
556	Assessment of the novel tubulin-binding agent EHT 6706 in combination with ionizing radiation or chemotherapy. <i>Investigational New Drugs</i> , 2012, 30, 2173-2186.	1.2	2
557	Baseline Serum Lactate Dehydrogenase Levels for Patients Treated With Intensity-Modulated Radiotherapy for Nasopharyngeal Carcinoma: A Predictor of Poor Prognosis and Subsequent Liver Metastasis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 82, e359-e365.	0.4	100
558	Gene expression classifier predicts for hypoxic modification of radiotherapy with nimorazole in squamous cell carcinomas of the head and neck. <i>Radiotherapy and Oncology</i> , 2012, 102, 122-129.	0.3	196
559	Importance of hemoglobin concentration and its modification for the outcome of head and neck cancer patients treated with radiotherapy. <i>Acta Oncologica</i> , 2012, 51, 419-432.	0.8	71
560	Tumour microenvironment and radiation response in sarcomas originating from tumourigenic human mesenchymal stem cells. <i>International Journal of Radiation Biology</i> , 2012, 88, 457-465.	1.0	3
561	Selective Tumor Hypoxia Targeting by Hypoxia-Activated Prodrug TH-302 Inhibits Tumor Growth in Preclinical Models of Cancer. <i>Clinical Cancer Research</i> , 2012, 18, 758-770.	3.2	161
562	Syntheses of 2-Nitroimidazole Derivatives Conjugated with 1,4,7-Triazacyclononane- <i>N</i> (1), <i>N</i> (7)-Diacetic Acid Labeled with F-18 Using an Aluminum Complex Method for Hypoxia Imaging. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 3155-3162.	2.9	42

#	ARTICLE	IF	CITATIONS
563	Hypoxia imaging using Positron Emission Tomography in non-small cell lung cancer: Implications for radiotherapy. <i>Cancer Treatment Reviews</i> , 2012, 38, 1027-1032.	3.4	37
564	On the structural modification of 2-nitroimidazole-99mTc(CO) <sub>3</sub> complex, a hypoxia marker, for improving in vivo pharmacokinetics. <i>Nuclear Medicine and Biology</i> , 2012, 39, 1236-1242.	0.3	26
565	FAZA PET/CT hypoxia imaging in patients with squamous cell carcinoma of the head and neck treated with radiotherapy: Results from the DAHANCA 24 trial. <i>Radiotherapy and Oncology</i> , 2012, 105, 14-20.	0.3	266
566	Apparent diffusion coefficient correlation with oesophageal tumour stroma and angiogenesis. <i>European Radiology</i> , 2012, 22, 1172-1177.	2.3	64
567	Hypoxia Gene Expression Signatures as Prognostic and Predictive Markers in Head and Neck Radiotherapy. <i>Seminars in Radiation Oncology</i> , 2012, 22, 119-127.	1.0	66
568	Targeting tumor hypoxia in nasopharyngeal carcinoma. <i>Head and Neck</i> , 2013, 35, 133-145.	0.9	51
569	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.	2.2	194
570	A 26-Gene Hypoxia Signature Predicts Benefit from Hypoxia-Modifying Therapy in Laryngeal Cancer but Not Bladder Cancer. <i>Clinical Cancer Research</i> , 2013, 19, 4879-4888.	3.2	214
571	Radiobiological description of the LET dependence of the cell survival of oxic and anoxic cells irradiated by carbon ions. <i>Journal of Radiation Research</i> , 2013, 54, 18-26.	0.8	51
572	Microenvironment and Radiation Therapy. <i>BioMed Research International</i> , 2013, 2013, 1-13.	0.9	122
573	Ultra-high field 1H magnetic resonance imaging approaches for acute hypoxia. <i>Acta Oncologica</i> , 2013, 52, 1287-1292.	0.8	5
574	Exploring <sup>18</sup> F- <sup>18</sup> F- <sup>18</sup> F and <sup>18</sup> F- <sup>18</sup> F- <sup>18</sup> F as imaging biomarkers of tumor oxygenation. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 429-434.	1.9	44
575	Trial Watch. <i>Oncolmmunology</i> , 2013, 2, e25595.	2.1	83
576	Molecular-targeted therapy hypoxia in head and neck squamous cell carcinoma patients. <i>Molecular and Clinical Oncology</i> , 2013, 1, 12-14.	0.4	1
577	Survival Benefit of Adding Chemotherapy to Intensity Modulated Radiation in Patients with Locoregionally Advanced Nasopharyngeal Carcinoma. <i>PLoS ONE</i> , 2013, 8, e56208.	1.1	21
578	Analysis of Factors Contributing to the Low Survival of Cervical Cancer Patients Undergoing Radiotherapy in Kenya. <i>PLoS ONE</i> , 2013, 8, e78411.	1.1	75
579	P-glycoprotein Inhibition as a Therapeutic Approach for Overcoming Multidrug Resistance in Cancer: Current Status and Future Perspectives. <i>Current Cancer Drug Targets</i> , 2013, 13, 326-346.	0.8	320
580	Epimacular brachytherapy for wet AMD: current perspectives. <i>Clinical Ophthalmology</i> , 2014, 8, 1661.	0.9	7

#	ARTICLE	IF	CITATIONS
581	The Molecular Crosstalk between the MET Receptor Tyrosine Kinase and the DNA Damage Response—Biological and Clinical Aspects. <i>Cancers</i> , 2014, 6, 1-27.	1.7	32
582	Magnetic therapeutic delivery using navigable agents. <i>Therapeutic Delivery</i> , 2014, 5, 189-204.	1.2	20
583	Selective expression of transgene using hypoxia-inducible trans-splicing group I intron ribozyme. <i>Journal of Biotechnology</i> , 2014, 192, 22-27.	1.9	3
584	The Clinical Importance of Assessing Tumor Hypoxia: Relationship of Tumor Hypoxia to Prognosis and Therapeutic Opportunities. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 1516-1554.	2.5	323
585	Quantitative Profiling of Chromatome Dynamics Reveals a Novel Role for HP1BP3 in Hypoxia-induced Oncogenesis. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 3236-3249.	2.5	38
586	Tumor Radiation Biology. , 2014, , 97-119.		2
587	Molecular Determinants of Head and Neck Cancer. , 2014, , .		2
588	Clinical Imaging of Hypoxia. <i>Cancer Drug Discovery and Development</i> , 2014, , 179-201.	0.2	0
589	Head and Neck Tumor Hypoxia Imaging by 18F-Fluoroazomycin-arabinozide (18F-FAZA)-PET. <i>Clinical Nuclear Medicine</i> , 2014, 39, 44-48.	0.7	48
590	Taxanes as radiosensitizers. <i>Anti-Cancer Drugs</i> , 2014, 25, 502-511.	0.7	25
591	Role of Vascular Endothelial Growth Factor in Clinically Localized Prostate Cancer Treated with Radiation Therapy. <i>Balkan Medical Journal</i> , 2014, 33, 43-49.	0.3	3
592	Regulation of O <sub>2</sub> consumption by the PI3K and mTOR pathways contributes to tumor hypoxia. <i>Radiotherapy and Oncology</i> , 2014, 111, 72-80.	0.3	37
593	A prospective clinical study of 18 F-FAZA PET-CT hypoxia imaging in head and neck squamous cell carcinoma before and during radiation therapy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 41, 1544-1552.	3.3	97
594	A retrospective study of urokinase-type plasminogen activator receptor (uPAR) as a prognostic factor in cancer of the uterine cervix. <i>International Journal of Clinical Oncology</i> , 2014, 19, 1059-1064.	1.0	5
595	Hypoxia and Cancer. <i>Cancer Drug Discovery and Development</i> , 2014, , .	0.2	7
596	Cytoglobin in tumor hypoxia: novel insights into cancer suppression. <i>Tumor Biology</i> , 2014, 35, 6207-6219.	0.8	18
597	A study on nitroimidazole-99mTc(CO) <sub>3</sub> complexes as hypoxia marker: Some observations towards possible improvement in in vivo efficacy. <i>Nuclear Medicine and Biology</i> , 2014, 41, 600-610.	0.3	26
598	Does Erythropoietin Have a Role in the Treatment of Î²-Hemoglobinopathies?. <i>Hematology/Oncology Clinics of North America</i> , 2014, 28, 249-263.	0.9	10

#	ARTICLE	IF	CITATIONS
599	Serine Catabolism Regulates Mitochondrial Redox Control during Hypoxia. <i>Cancer Discovery</i> , 2014, 4, 1406-1417.	7.7	342
600	Targeting RPL39 and MLF2 reduces tumor initiation and metastasis in breast cancer by inhibiting nitric oxide synthase signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8838-8843.	3.3	99
601	Tumor Hypoxia. , 2014, , 205-222.		0
602	Prognostic value of tumour blood flow, [18F]EF5 and [18F]FDG PET/CT imaging in patients with head and neck cancer treated with radiochemotherapy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 41, 2042-2050.	3.3	44
603	Bringing the heavy: carbon ion therapy in the radiobiological and clinical context. <i>Radiation Oncology</i> , 2014, 9, 88.	1.2	114
604	The Tumor Radiobiology of SRS and SBRT: Are More Than the 5 Rs Involved?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 88, 254-262.	0.4	462
605	18F-Fluorodeoxyglucose Uptake and Tumor Hypoxia: Revisit 18F-Fluorodeoxyglucose in Oncology Application. <i>Translational Oncology</i> , 2014, 7, 240-247.	1.7	35
606	Spatiotemporal Stability of Cu-ATSM and FLT Positron Emission Tomography Distributions During Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 89, 399-405.	0.4	21
607	Molecular Imaging of Tumor Hypoxia with Positron Emission Tomography. <i>Radiation Research</i> , 2014, 181, 335-349.	0.7	41
608	Hypoxic regulation of the PERK/ATF4/LAMP3 arm of the unfolded protein response in head and neck squamous cell carcinoma. <i>Head and Neck</i> , 2015, 37, 896-905.	0.9	28
609	18F-fluoromisonidazole PET reveals spatial and temporal heterogeneity of hypoxia in mouse models of human non-small-cell lung cancer. <i>Future Oncology</i> , 2015, 11, 2841-2849.	1.1	5
610	Towards Multidimensional Radiotherapy: Key Challenges for Treatment Individualisation. <i>Computational and Mathematical Methods in Medicine</i> , 2015, 2015, 1-8.	0.7	15
611	Therapeutic Implications for Overcoming Radiation Resistance in Cancer Therapy. <i>International Journal of Molecular Sciences</i> , 2015, 16, 26880-26913.	1.8	165
612	Efficacy and safety of the hypoxia-activated prodrug TH-302 in combination with gemcitabine and nab-paclitaxel in human tumor xenograft models of pancreatic cancer. <i>Cancer Biology and Therapy</i> , 2015, 16, 438-449.	1.5	46
613	Ill-posed problem and regularization in reconstruction of radiobiological parameters from serial tumor imaging data. <i>Physics in Medicine and Biology</i> , 2015, 60, 8491-8503.	1.6	10
614	Biology of Hypoxia. <i>Seminars in Nuclear Medicine</i> , 2015, 45, 101-109.	2.5	121
615	Molecular imaging of hypoxia in non-small-cell lung cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 42, 956-976.	3.3	50
616	The usability of a 15-gene hypoxia classifier as a universal hypoxia profile in various cancer cell types. <i>Radiotherapy and Oncology</i> , 2015, 116, 346-351.	0.3	26

#	ARTICLE	IF	CITATIONS
617	Molecular Imaging Biomarkers of Resistance to Radiation Therapy for Spontaneous Nasal Tumors in Canines. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 91, 787-795.	0.4	19
618	Functional imaging for radiotherapy treatment planning: current status and future directionsâ€”a review. <i>British Journal of Radiology</i> , 2015, 88, 20150056.	1.0	64
619	Gene Expression Signatures as Biomarkers of Tumour Hypoxia. <i>Clinical Oncology</i> , 2015, 27, 547-560.	0.6	95
620	Hyperpolarized magnetic resonance spectroscopy for assessing tumor hypoxia. <i>Acta OncolÃ³gica</i> , 2015, 54, 1393-1398.	0.8	8
621	Hypoxia-targeted 131I therapy of hepatocellular cancer after systemic mesenchymal stem cell-mediated sodium iodide symporter gene delivery. <i>Oncotarget</i> , 2016, 7, 54795-54810.	0.8	31
622	Pathophysiological Basis for the Formation of the Tumor Microenvironment. <i>Frontiers in Oncology</i> , 2016, 6, 66.	1.3	152
623	Translational Research to Improve the Efficacy of Carbon Ion Radiotherapy: Experience of Gunma University. <i>Frontiers in Oncology</i> , 2016, 6, 139.	1.3	20
624	Switching between Magnetotactic and Aerotactic Displacement Controls to Enhance the Efficacy of MC-1 Magneto-Aerotactic Bacteria as Cancer-Fighting Nanorobots. <i>Micromachines</i> , 2016, 7, 97.	1.4	15
625	In Vivo Interrogation of the Hypoxic Transcriptome of Solid Tumors: Optimizing Hypoxic Probe Labeling with Laser Capture Microdissection for Isolation of High-Quality RNA for Deep Sequencing Analysis. <i>Advances in Experimental Medicine and Biology</i> , 2016, 899, 41-58.	0.8	1
626	HPV status, cancer stem cell marker expression, hypoxia gene signatures and tumour volume identify good prognosis subgroups in patients with HNSCC after primary radiochemotherapy: A multicentre retrospective study of the German Cancer Consortium Radiation Oncology Group (DKTK-ROC). <i>Radiotherapy and Oncology</i> , 2016, 121, 364-373.	0.3	130
627	Metabolic response of lung cancer cells to radiation in a paper-based 3D cell culture system. <i>Biomaterials</i> , 2016, 95, 47-59.	5.7	57
628	Assessment of predictive molecular variables in feline oral squamous cell carcinoma treated with stereotactic radiation therapy. <i>Veterinary and Comparative Oncology</i> , 2016, 14, 39-57.	0.8	24
629	Reproducibility of 18F-fluoromisonidazole intratumour distribution in non-small cell lung cancer. <i>EJNMMI Research</i> , 2016, 6, 79.	1.1	25
630	Adaptation of the microdosimetric kinetic model to hypoxia. <i>Physics in Medicine and Biology</i> , 2016, 61, 7586-7599.	1.6	28
631	A theoretical stochastic control framework for adapting radiotherapy to hypoxia. <i>Physics in Medicine and Biology</i> , 2016, 61, 7136-7161.	1.6	14
632	Oxygen-Related Differences in Cellular and Vesicular Phenotypes Observed for Ovarian Cell Cancer Lines. <i>Journal of Circulating Biomarkers</i> , 2016, 5, 1.	0.8	13
633	Molecular Radio-Oncology. <i>Recent Results in Cancer Research</i> , 2016, , .	1.8	1
634	Tumor Microenvironment. <i>Advances in Experimental Medicine and Biology</i> , 2016, , .	0.8	3



#	ARTICLE	IF	CITATIONS
635	Hypoxia as a Biomarker and for Personalized Radiation Oncology. <i>Recent Results in Cancer Research</i> , 2016, 198, 123-142.	1.8	26
636	Targeting hypoxia to overcome radiation resistance in head & neck cancers: real challenge or clinical fairytale?. <i>Expert Review of Anticancer Therapy</i> , 2016, 16, 751-758.	1.1	36
637	Noninvasive PET Imaging and Tracking of Engineered Human Muscle Precursor Cells for Skeletal Muscle Tissue Engineering. <i>Journal of Nuclear Medicine</i> , 2016, 57, 1467-1473.	2.8	12
638	Neoadjuvant chemotherapy plus intensity-modulated radiotherapy versus concurrent chemoradiotherapy plus adjuvant chemotherapy for the treatment of locoregionally advanced nasopharyngeal carcinoma: a retrospective controlled study. <i>Chinese Journal of Cancer</i> , 2016, 35, 2.	4.9	62
639	Impact of pretreatment whole-tumor perfusion computed tomography and 18F-fluorodeoxyglucose positron emission tomography/computed tomography measurements on local control of non-small cell lung cancer treated with stereotactic body radiotherapy. <i>Journal of Radiation Research</i> , 2016, 57, 533-540.	0.8	15
640	The Effects of Severe Hypoxia on Glycolytic Flux and Enzyme Activity in a Model of Solid Tumors. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 1890-1901.	1.2	23
641	Neutral <sup>99m</sup> Tc(CO) <sub>3</sub> complexes of <i>clicked</i> -nitroimidazoles for the detection of tumor hypoxia. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 307, 69-77.	0.7	8
642	Tissue Discs: A 3D Model for Assessing Modulation of Tissue Oxygenation. <i>Advances in Experimental Medicine and Biology</i> , 2016, 876, 169-175.	0.8	1
643	Oxygen Transport to Tissue XXXVII. <i>Advances in Experimental Medicine and Biology</i> , 2016, , .	0.8	8
644	Low Cancer Stem Cell Marker Expression and Low Hypoxia Identify Good Prognosis Subgroups in HPV(+) HNSCC after Postoperative Radiochemotherapy: A Multicenter Study of the DTK-ROG. <i>Clinical Cancer Research</i> , 2016, 22, 2639-2649.	3.2	127
645	Radiation oncology in the era of precision medicine. <i>Nature Reviews Cancer</i> , 2016, 16, 234-249.	12.8	636
646	Prognostic value of PET/CT with 18F-fluoroazomycin arabinoside for patients with head and neck squamous cell carcinomas receiving chemoradiotherapy. <i>Annals of Nuclear Medicine</i> , 2016, 30, 217-224.	1.2	15
647	The role of new PET tracers for lung cancer. <i>Lung Cancer</i> , 2016, 94, 7-14.	0.9	47
648	Comparison of treatment planning parameters for dose painting head and neck plans delivered with tomotherapy. <i>British Journal of Radiology</i> , 2016, 89, 20150970.	1.0	16
649	Feasibility of 18F-Fluoromisonidazole Kinetic Modeling in Head and Neck Cancer Using Shortened Acquisition Times. <i>Journal of Nuclear Medicine</i> , 2016, 57, 334-341.	2.8	16
650	PET-based quantification of statistical properties of hypoxic tumor subvolumes in head and neck cancer. <i>Physica Medica</i> , 2016, 32, 23-35.	0.4	20
651	Dose-Response Modifiers in Radiation Therapy. , 2016, , 51-62.e3.		3
652	Oxygen imaging of living cells and tissues using luminescent molecular probes. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2017, 30, 71-95.	5.6	98



#	ARTICLE	IF	CITATIONS
653	Prognostic value of dynamic hypoxia PET in head and neck cancer: Results from a planned interim analysis of a randomized phase II hypoxia-image guided dose escalation trial. <i>Radiotherapy and Oncology</i> , 2017, 124, 526-532.	0.3	107
654	Vascularity and Tumor Size are Significant Predictors for Recurrence after Resection of a Pancreatic Neuroendocrine Tumor. <i>Annals of Surgical Oncology</i> , 2017, 24, 2363-2370.	0.7	25
655	Realizing the Potential of Vascular Targeted Therapy: The Rationale for Combining Vascular Disrupting Agents and Anti-Angiogenic Agents to Treat Cancer. <i>Cancer Investigation</i> , 2017, 35, 519-534.	0.6	54
656	Hypoxia PET imaging techniques: data acquisition and analysis. <i>Clinical and Translational Imaging</i> , 2017, 5, 489-496.	1.1	3
657	Simulation of head and neck cancer oxygenation and doubling time in a 4D cellular model with angiogenesis. <i>Scientific Reports</i> , 2017, 7, 11037.	1.6	9
658	Oxygen generating nanoparticles for improved photodynamic therapy of hypoxic tumours. <i>Journal of Controlled Release</i> , 2017, 264, 333-340.	4.8	79
659	Molecular targeting of hypoxia in radiotherapy. <i>Advanced Drug Delivery Reviews</i> , 2017, 109, 45-62.	6.6	146
660	Anaemia in Cancer Patients Undergoing Radiotherapy and Chemotherapy at the National Hospital, Abuja. <i>Journal of Neoplasms</i> , 2017, 02, .	0.1	0
661	Survival and Toxicities of IMRT Based on the RTOG Protocols in Patients with Nasopharyngeal Carcinoma from the Endemic Regions of China. <i>Journal of Cancer</i> , 2017, 8, 3718-3724.	1.2	25
662	[18F]Fluoromisonidazole PET in rectal cancer. <i>EJNMMI Research</i> , 2017, 7, 78.	1.1	18
663	Revisit 18F-fluorodeoxyglucose oncology positron emission tomography: a systems molecular imaging of glucose metabolism. <i>Oncotarget</i> , 2017, 8, 43536-43542.	0.8	34
664	DAHANCA 10 a€ Effect of darbepoetin alfa and radiotherapy in the treatment of squamous cell carcinoma of the head and neck. A multicenter, open-label, randomized, phase 3 trial by the Danish head and neck cancer group. <i>Radiotherapy and Oncology</i> , 2018, 127, 12-19.	0.3	32
665	Development and Validation of a Gene Signature for Patients with Head and Neck Carcinomas Treated by Postoperative Radio(chemo)therapy. <i>Clinical Cancer Research</i> , 2018, 24, 1364-1374.	3.2	45
666	Novel microtubule inhibitor MPT0B098 inhibits hypoxia-induced epithelial-to-mesenchymal transition in head and neck squamous cell carcinoma. <i>Journal of Biomedical Science</i> , 2018, 25, 28.	2.6	10
667	Selecting patients for hyperthermia combined with preoperative chemoradiotherapy for locally advanced rectal cancer. <i>International Journal of Clinical Oncology</i> , 2018, 23, 287-297.	1.0	5
668	Transcutaneous carbon dioxide enhances the antitumor effect of radiotherapy on oral squamous cell carcinoma. <i>Oncology Reports</i> , 2018, 40, 434-442.	1.2	4
669	Computational models and tools. <i>Medical Physics</i> , 2018, 45, e1073-e1085.	1.6	5
670	Arene Ruthenium Metalla-Assemblies with Anthracene Moieties for PDT Applications. <i>Inorganics</i> , 2018, 6, 97.	1.2	14

#	ARTICLE	IF	CITATIONS
671	Three-dimensional alginate hydrogels for radiobiological and metabolic studies of cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 197-204.	2.5	14
672	Correlation of hypoxia status with radiosensitizing effects of sodium glycididazole: A preclinical study. <i>Oncology Letters</i> , 2018, 15, 6481-6488.	0.8	4
673	The Future of Radiotherapy in Bladder Cancer. , 2018, , 123-129.		0
675	Preparation and preliminary evaluation of a tris-metronidazole-99mTc(CO) <sub>3</sub> complex for targeting tumor hypoxia. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 317, 1203-1210.	0.7	6
676	Assessment of soft-tissue sarcomas perfusion using data-driven techniques. , 2018, , .		0
677	High Single Doses of Radiation May Induce Elevated Levels of Hypoxia in Early-Stage Non-Small Cell Lung Cancer Tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 174-183.	0.4	36
678	Approaches to combat hypoxia in cancer therapy and the potential for in silico models in their evaluation. <i>Physica Medica</i> , 2019, 64, 145-156.	0.4	15
679	The Potential Role of Radiomics and Radiogenomics in Patient Stratification by Tumor Hypoxia Status. <i>Journal of the American College of Radiology</i> , 2019, 16, 1329-1337.	0.9	16
680	Acute Hypoxia Profile is a Stronger Prognostic Factor than Chronic Hypoxia in Advanced Stage Head and Neck Cancer Patients. <i>Cancers</i> , 2019, 11, 583.	1.7	28
681	Predictive Value of Pretherapeutic Maximum Standardized Uptake Value (Suvmax) In Laryngeal and Hypopharyngeal Cancer. <i>Scientific Reports</i> , 2019, 9, 8972.	1.6	21
682	Hypoxia and angiogenic biomarkers in prostate cancer after external beam radiotherapy (EBRT) alone or combined with high-dose-rate brachytherapy boost (HDR-BTb). <i>Radiotherapy and Oncology</i> , 2019, 137, 38-44.	0.3	6
683	Prospective Evaluation of a Tumor Control Probability Model Based on Dynamic <sup>18</sup> F-FMISO PET for Head and Neck Cancer Radiotherapy. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1698-1704.	2.8	37
684	Correlation between FMISO-PET based hypoxia in the primary tumour and in lymph node metastases in locally advanced HNSCC patients. <i>Clinical and Translational Radiation Oncology</i> , 2019, 15, 108-112.	0.9	9
685	Oxygen-Guided Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 103, 977-984.	0.4	59
686	FMISO-PET-based lymph node hypoxia adds to the prognostic value of tumor only hypoxia in HNSCC patients. <i>Radiotherapy and Oncology</i> , 2019, 130, 97-103.	0.3	14
687	Upconversion-based photodynamic cancer therapy. <i>Coordination Chemistry Reviews</i> , 2019, 379, 82-98.	9.5	249
688	Fabrication of hypoxia-responsive and uperconversion nanoparticles-modified RBC micro-vehicles for oxygen delivery and chemotherapy enhancement. <i>Biomaterials Science</i> , 2020, 8, 4595-4602.	2.6	17
689	Patient-Derived Xenograft and Organoid Models for Precision Medicine Targeting of the Tumour Microenvironment in Head and Neck Cancer. <i>Cancers</i> , 2020, 12, 3743.	1.7	19

#	ARTICLE	IF	CITATIONS
690	Targeting the Tumor Core: Hypoxia-Responsive Nanoparticles for the Delivery of Chemotherapy to Pancreatic Tumors. <i>Molecular Pharmaceutics</i> , 2020, 17, 2849-2863.	2.3	40
691	Imaging of Tumor Hypoxia for Radiotherapy: Current Status and Future Directions. <i>Seminars in Nuclear Medicine</i> , 2020, 50, 562-583.	2.5	40
692	Four decades with ESTRO. <i>Radiotherapy and Oncology</i> , 2020, 142, 1-5.	0.3	5
693	Most Cited Articles in Head and Neck Oncology. <i>Ear, Nose and Throat Journal</i> , 2020, 100, 014556132093492.	0.4	2
694	Glycoprotein Nonmetastatic Melanoma Protein B as Potential Imaging Marker in Posttherapeutic Metastatic Head and Neck Cancer. <i>Otolaryngology - Head and Neck Surgery</i> , 2020, 163, 1202-1208.	1.1	2
695	<i>In vitro</i> simultaneous mapping of the partial pressure of oxygen, pH and inorganic phosphate using electron paramagnetic resonance. <i>Analyst</i> , 2020, 145, 3236-3244.	1.7	9
696	Predictive quantitative ultrasound radiomic markers associated with treatment response in head and neck cancer. <i>Future Science OA</i> , 2020, 6, FSO433.	0.9	18
697	Evaluation of CT-based radiomics signature and nomogram as prognostic markers in patients with laryngeal squamous cell carcinoma. <i>Cancer Imaging</i> , 2020, 20, 28.	1.2	31
698	The clinical utility of imaging methods used to measure hypoxia in cervical cancer. <i>British Journal of Radiology</i> , 2020, 93, 20190640.	1.0	9
699	Prediction of radiation-induced mucositis of H&N cancer patients based on a large patient cohort. <i>Radiotherapy and Oncology</i> , 2020, 147, 15-21.	0.3	15
701	The Role of Hypoxia in Radiation Response. , 2016, , 29-42.		1
703	Flavin Mononucleotide-Based Fluorescent Proteins Function in Mammalian Cells without Oxygen Requirement. <i>PLoS ONE</i> , 2012, 7, e43921.	1.1	35
704	Reducing Tumour Hypoxia via Oral Administration of Oxygen Nanobubbles. <i>PLoS ONE</i> , 2016, 11, e0168088.	1.1	52
705	An international randomised controlled trial to compare TARGeted Intraoperative radioTherapy (TARGIT) with conventional postoperative radiotherapy after breast-conserving surgery for women with early-stage breast cancer (the TARGIT-A trial). <i>Health Technology Assessment</i> , 2016, 20, 1-188.	1.3	51
706	Relationship between anemia and tumor hypoxia. , 2002, , 117-125.		2
707	Hypoxia in Head and Neck Cancer. , 2017, , 59-95.		0
708	Transiently hypoxic tumour cell turnover and radiation sensitivity in human tumour xenografts. <i>British Journal of Cancer</i> , 2022, 126, 1616-1626.	2.9	5