

# Mark W Dewhirst

## List of Publications by Citations

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

494  
papers

35,590  
citations

91  
h-index

173  
g-index

539  
ext. papers

39,136  
ext. citations

5.4  
avg, IF

7.13  
L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 494 | Glioma stem cells promote radioresistance by preferential activation of the DNA damage response. <i>Nature</i> , <b>2006</b> , 444, 756-60   | 50.4 | 4706      |
| 493 | Targeting lactate-fueled respiration selectively kills hypoxic tumor cells in mice. <i>Journal of Clinical Investigation</i> , <b>2008</b> , 118, 3930-42  | 15.9 | 1019      |
| 492 | Tumor hypoxia adversely affects the prognosis of carcinoma of the head and neck. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1997</b> , 38, 285-9                            | 4    | 894       |
| 491 | Radiation activates HIF-1 to regulate vascular radiosensitivity in tumors: role of reoxygenation, free radicals, and stress granules. <i>Cancer Cell</i> , <b>2004</b> , 5, 429-41                       | 24.3 | 822       |
| 490 | Cycling hypoxia and free radicals regulate angiogenesis and radiotherapy response. <i>Nature Reviews Cancer</i> , <b>2008</b> , 8, 425-37  | 31.3 | 781       |
| 489 | A dual-emissive-materials design concept enables tumour hypoxia imaging. <i>Nature Materials</i> , <b>2009</b> , 8, 747-51   | 27   | 722       |
| 488 | Tumor vascular permeability, accumulation, and penetration of macromolecular drug carriers. <i>Journal of the National Cancer Institute</i> , <b>2006</b> , 98, 335-44                                   | 9.7  | 713       |
| 487 | Oxygenation of head and neck cancer: changes during radiotherapy and impact on treatment outcome. <i>Radiotherapy and Oncology</i> , <b>1999</b> , 53, 113-7   | 5.3  | 473       |
| 486 | The development and testing of a new temperature-sensitive drug delivery system for the treatment of solid tumors. <i>Advanced Drug Delivery Reviews</i> , <b>2001</b> , 53, 285-305                     | 18.5 | 459       |
| 485 | Randomized trial of hyperthermia and radiation for superficial tumors. <i>Journal of Clinical Oncology</i> , <b>2005</b> , 23, 3079-85   | 2.2  | 435       |
| 484 | Thresholds for thermal damage to normal tissues: an update. <i>International Journal of Hyperthermia</i> , <b>2011</b> , 27, 320-43  | 3.7  | 419       |
| 483 | 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> , <b>2001</b> , 51, 349-53 | 4    | 379       |
| 482 | Regulation of HIF-1alpha stability through S-nitrosylation. <i>Molecular Cell</i> , <b>2007</b> , 26, 63-74  | 17.6 | 366       |
| 481 | Overcoming limitations in nanoparticle drug delivery: triggered, intravascular release to improve drug penetration into tumors. <i>Cancer Research</i> , <b>2012</b> , 72, 5566-75                       | 10.1 | 344       |
| 480 | Transport of drugs from blood vessels to tumour tissue. <i>Nature Reviews Cancer</i> , <b>2017</b> , 17, 738-750   | 31.3 | 332       |
| 479 | Targeting the lactate transporter MCT1 in endothelial cells inhibits lactate-induced HIF-1 activation and tumor angiogenesis. <i>PLoS ONE</i> , <b>2012</b> , 7, e33418                                  | 3.7  | 328       |
| 478 | Hypoxia and radiotherapy: opportunities for improved outcomes in cancer treatment. <i>Cancer and Metastasis Reviews</i> , <b>2007</b> , 26, 241-8  | 9.6  | 318       |

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|-----|---|------|-----|
| 477 | Pleiotropic effects of HIF-1 blockade on tumor radiosensitivity. <i>Cancer Cell</i> , <b>2005</b> , 8, 99-110   | 24.3 | 317 |
| 476 | Tie2 expression and phosphorylation in angiogenic and quiescent adult tissues. <i>Circulation Research</i> , <b>1997</b> , 81, 567-74   | 15.7 | 310 |
| 475 | Initial stages of tumor cell-induced angiogenesis: evaluation via skin window chambers in rodent models. <i>Journal of the National Cancer Institute</i> , <b>2000</b> , 92, 143-7  | 9.7  | 292 |
| 474 | Magnetic resonance imaging of temperature-sensitive liposome release: drug dose painting and antitumor effects. <i>Journal of the National Cancer Institute</i> , <b>2007</b> , 99, 53-63   | 9.7  | 240 |
| 473 | Sensitivity of hyperthermia trial outcomes to temperature and time: implications for thermal goals of treatment. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1993</b> , 25, 289-97  | 4    | 236 |
| 472 | Tumor angiogenic and hypoxic profiles predict radiographic response and survival in malignant astrocytoma patients treated with bevacizumab and irinotecan. <i>Journal of Clinical Oncology</i> , <b>2008</b> , 26, 271-8   | 2.2  | 231 |
| 471 | Re-setting the biologic rationale for thermal therapy. <i>International Journal of Hyperthermia</i> , <b>2005</b> , 21, 779-90  | 3.7  | 225 |
| 470 | Accuracy of MRI in the detection of residual breast cancer after neoadjuvant chemotherapy. <i>American Journal of Roentgenology</i> , <b>2003</b> , 181, 1275-82  | 5.4  | 223 |
| 469 | Thermosensitive liposomes: extravasation and release of contents in tumor microvascular networks. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1996</b> , 36, 1177-87  | 4    | 223 |
| 468 | Hyperthermia mediated liposomal drug delivery. <i>International Journal of Hyperthermia</i> , <b>2006</b> , 22, 205-13  | 3.7  | 215 |
| 467 | Tissue transglutaminase is expressed, active, and directly involved in rat dermal wound healing and angiogenesis. <i>FASEB Journal</i> , <b>1999</b> , 13, 1787-95  | 0.9  | 212 |
| 466 | Tumor metabolism of lactate: the influence and therapeutic potential for MCT and CD147 regulation. <i>Future Oncology</i> , <b>2010</b> , 6, 127-48   | 3.6  | 211 |
| 465 | 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> , <b>2001</b> , 280, H2533-44   | 5.2  | 208 |
| 464 | Analysis of the effects of oxygen supply and demand on hypoxic fraction in tumors. <i>Acta Oncologica</i> , <b>1995</b> , 34, 313-6   | 3.2  | 207 |
| 463 | Hyperspectral imaging of hemoglobin saturation in tumor microvasculature and tumor hypoxia development. <i>Journal of Biomedical Optics</i> , <b>2005</b> , 10, 44004   | 3.5  | 204 |
| 462 | Nanoscale Drug Delivery and Hyperthermia: The Materials Design and Preclinical and Clinical Testing of Low Temperature-Sensitive Liposomes Used in Combination with Mild Hyperthermia in the Treatment of Local Cancer. <i>The Open Nanomedicine Journal</i> , <b>2011</b> , 3, 38-64 |      | 200 |
| 461 | The shunt problem: control of functional shunting in normal and tumour vasculature. <i>Nature Reviews Cancer</i> , <b>2010</b> , 10, 587-93   | 31.3 | 200 |
| 460 | Ascaris haemoglobin is a nitric oxide-activated 'deoxygenase'. <i>Nature</i> , <b>1999</b> , 401, 497-502   | 50.4 | 184 |

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|-----|--|------|-----|
| 459 | Relationships between cycling hypoxia, HIF-1, angiogenesis and oxidative stress. <i>Radiation Research</i> , <b>2009</b> , 172, 653-65   | 3.1  | 175 |
| 458 | Erythropoietin biology in cancer. <i>Clinical Cancer Research</i> , <b>2006</b> , 12, 332-9  | 12.9 | 168 |
| 457 | A small molecular weight catalytic metalloporphyrin antioxidant with superoxide dismutase (SOD) mimetic properties protects lungs from radiation-induced injury. <i>Free Radical Biology and Medicine</i> , <b>2002</b> , 33, 857-63             | 7.8  | 163 |
| 456 | In vivo optical molecular imaging and analysis in mice using dorsal window chamber models applied to hypoxia, vasculature and fluorescent reporters. <i>Nature Protocols</i> , <b>2011</b> , 6, 1355-66  | 18.8 | 162 |
| 455 | In vivo monitoring of tissue pharmacokinetics of liposome/drug using MRI: illustration of targeted delivery. <i>Magnetic Resonance in Medicine</i> , <b>2004</b> , 51, 1153-62   | 4.4  | 161 |
| 454 | Radiation-induced hypoxia may perpetuate late normal tissue injury. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2001</b> , 50, 851-5   | 4    | 159 |
| 453 | Green's function methods for analysis of oxygen delivery to tissue by microvascular networks. <i>Annals of Biomedical Engineering</i> , <b>2004</b> , 32, 1519-29  | 4.7  | 154 |
| 452 | IL-6 trans-signaling licenses mouse and human tumor microvascular gateways for trafficking of cytotoxic T cells. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 3846-59   | 15.9 | 153 |
| 451 | The genomic analysis of lactic acidosis and acidosis response in human cancers. <i>PLoS Genetics</i> , <b>2008</b> , 4, e1000293   | 6    | 153 |
| 450 | CEM43°C thermal dose thresholds: a potential guide for magnetic resonance radiofrequency exposure levels?. <i>European Radiology</i> , <b>2013</b> , 23, 2215-27   | 8    | 147 |
| 449 | Synergy between tumor immunotherapy and antiangiogenic therapy. <i>Blood</i> , <b>2003</b> , 102, 964-71   | 2.2  | 147 |
| 448 | Expression of HIF-1alpha, CA IX, VEGF, and MMP-9 in surgically resected non-small cell lung cancer. <i>Lung Cancer</i> , <b>2005</b> , 49, 325-35  | 5.9  | 146 |
| 447 | The pervasive presence of fluctuating oxygenation in tumors. <i>Cancer Research</i> , <b>2008</b> , 68, 5812-9   | 10.1 | 144 |
| 446 | Modulation of murine breast tumor vascularity, hypoxia and chemotherapeutic response by exercise. <i>Journal of the National Cancer Institute</i> , <b>2015</b> , 107,   | 9.7  | 141 |
| 445 | Formulation and characterisation of magnetic resonance imageable thermally sensitive liposomes for use with magnetic resonance-guided high intensity focused ultrasound. <i>International Journal of Hyperthermia</i> , <b>2011</b> , 27, 140-55 | 3.7  | 140 |
| 444 | Concepts of oxygen transport at the microcirculatory level. <i>Seminars in Radiation Oncology</i> , <b>1998</b> , 8, 143-59  | 5.9  | 140 |
| 443 | Functional significance of Tie2 signaling in the adult vasculature. <i>Endocrine Reviews</i> , <b>2004</b> , 59, 51-71   |      | 140 |
| 442 | Inhibition of rat corneal angiogenesis by a nuclease-resistant RNA aptamer specific for angiopoietin-2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 5028-33                      | 11.5 | 137 |

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|-----|--|------|-----|
| 441 | The G12 family of heterotrimeric G proteins promotes breast cancer invasion and metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 8173-8   | 11.5 | 133 |
| 440 | Thermal cycling enhances the accumulation of a temperature-sensitive biopolymer in solid tumors. <i>Cancer Research</i> , <b>2007</b> , 67, 4418-24  | 10.1 | 132 |
| 439 | Temperature matters! And why it should matter to tumor immunologists. <i>Cancer Immunology Research</i> , <b>2013</b> , 1, 210-6   | 12.5 | 129 |
| 438 | Effects and potential mechanisms of exercise training on cancer progression: a translational perspective. <i>Brain, Behavior, and Immunity</i> , <b>2013</b> , 30 Suppl, S75-87  | 16.6 | 128 |
| 437 | Observations on the use of ferromagnetic implants for inducing hyperthermia. <i>IEEE Transactions on Biomedical Engineering</i> , <b>1984</b> , 31, 76-90  | 5    | 128 |
| 436 | Phase I trial of doxorubicin-containing low temperature sensitive liposomes in spontaneous canine tumors. <i>Clinical Cancer Research</i> , <b>2006</b> , 12, 4004-10  | 12.9 | 127 |
| 435 | Use of three-dimensional tissue cultures to model extravascular transport and predict in vivo activity of hypoxia-targeted anticancer drugs. <i>Journal of the National Cancer Institute</i> , <b>2006</b> , 98, 1118-28                                   | 9.7  | 124 |
| 434 | Catabolism of exogenous lactate reveals it as a legitimate metabolic substrate in breast cancer. <i>PLoS ONE</i> , <b>2013</b> , 8, e75154   | 3.7  | 121 |
| 433 | Structural adaptation and heterogeneity of normal and tumor microvascular networks. <i>PLoS Computational Biology</i> , <b>2009</b> , 5, e1000394  | 5    | 121 |
| 432 | Relationships among tumor temperature, treatment time, and histopathological outcome using preoperative hyperthermia with radiation in soft tissue sarcomas. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1992</b> , 22, 989-98 | 4    | 120 |
| 431 | Comparative effects of thermosensitive doxorubicin-containing liposomes and hyperthermia in human and murine tumours. <i>International Journal of Hyperthermia</i> , <b>2010</b> , 26, 485-98  | 3.7  | 119 |
| 430 | Tumor necrosis factor-alpha is a potent endogenous mutagen that promotes cellular transformation. <i>Cancer Research</i> , <b>2006</b> , 66, 11565-70  | 10.1 | 119 |
| 429 | Plasma D-dimer levels in operable breast cancer patients correlate with clinical stage and axillary lymph node status. <i>Journal of Clinical Oncology</i> , <b>2000</b> , 18, 600-8   | 2.2  | 119 |
| 428 | Intertumoral differences in hypoxia selectivity of the PET imaging agent <sup>64</sup> Cu(II)-diacetyl-bis(N4-methylthiosemicarbazone). <i>Journal of Nuclear Medicine</i> , <b>2006</b> , 47, 989-98  | 8.9  | 119 |
| 427 | Estrogen-related receptor alpha is critical for the growth of estrogen receptor-negative breast cancer. <i>Cancer Research</i> , <b>2008</b> , 68, 8805-12   | 10.1 | 116 |
| 426 | Patterns and variability of tumor oxygenation in human soft tissue sarcomas, cervical carcinomas, and lymph node metastases. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1995</b> , 32, 1121-5                                 | 4    | 116 |
| 425 | Thermochemoradiotherapy improves oxygenation in locally advanced breast cancer. <i>Clinical Cancer Research</i> , <b>2004</b> , 10, 4287-93  | 12.9 | 115 |
| 424 | Direct demonstration of instabilities in oxygen concentrations within the extravascular compartment of an experimental tumor. <i>Cancer Research</i> , <b>2006</b> , 66, 2219-23   | 10.1 | 114 |

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|-----|---|------|-----|
| 423 | Requirements for T lymphocyte migration in explanted lymph nodes. <i>Journal of Immunology</i> , <b>2007</b> , 178, 7747-55   | 5.3  | 112 |
| 422 | Diverse functions of cationic Mn(III) N-substituted pyridylporphyrins, recognized as SOD mimics. <i>Free Radical Biology and Medicine</i> , <b>2011</b> , 51, 1035-53   | 7.8  | 111 |
| 421 | Chemodosimetry of in vivo tumor liposomal drug concentration using MRI. <i>Magnetic Resonance in Medicine</i> , <b>2006</b> , 56, 1011-8  | 4.4  | 109 |
| 420 | Morphologic and hemodynamic comparison of tumor and healing normal tissue microvasculature. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1989</b> , 17, 91-9   | 4    | 108 |
| 419 | Enhancement of hypoxia-induced tumor cell death in vitro and radiation therapy in vivo by use of small interfering RNA targeted to hypoxia-inducible factor-1alpha. <i>Cancer Research</i> , <b>2004</b> , 64, 8139-42  | 10.1 | 107 |
| 418 | Efficacy and Mechanisms of Aerobic Exercise on Cancer Initiation, Progression, and Metastasis: A Critical Systematic Review of In Vivo Preclinical Data. <i>Cancer Research</i> , <b>2016</b> , 76, 4032-50   | 10.1 | 107 |
| 417 | Gene expression profiles of multiple breast cancer phenotypes and response to neoadjuvant chemotherapy. <i>Clinical Cancer Research</i> , <b>2006</b> , 12, 819-26  | 12.9 | 106 |
| 416 | Overexpression of extracellular superoxide dismutase protects mice from radiation-induced lung injury. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2003</b> , 57, 1056-66   | 4    | 105 |
| 415 | NADPH oxidase-mediated reactive oxygen species production activates hypoxia-inducible factor-1 (HIF-1) via the ERK pathway after hyperthermia treatment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 20477-82 | 11.5 | 104 |
| 414 | Intravascular location of breast cancer cells after spontaneous metastasis to the lung. <i>American Journal of Pathology</i> , <b>2002</b> , 161, 749-53  | 5.8  | 104 |
| 413 | Measuring tumor hypoxia. <i>Seminars in Radiation Oncology</i> , <b>1996</b> , 6, 37-45   | 5.5  | 99  |
| 412 | Pretreatment oxygenation profiles of human soft tissue sarcomas. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1994</b> , 30, 635-42  | 4    | 98  |
| 411 | Intermittent hypoxia furthers the rationale for hypoxia-inducible factor-1 targeting. <i>Cancer Research</i> , <b>2007</b> , 67, 854-5  | 10.1 | 97  |
| 410 | Spatial heterogeneity and oxygen dependence of glucose consumption in R3230Ac and fibrosarcomas of the Fischer 344 rat. <i>Cancer Research</i> , <b>2005</b> , 65, 5163-71  | 10.1 | 97  |
| 409 | In vivo BOLD contrast MRI mapping of subcutaneous vascular function and maturation: validation by intravital microscopy. <i>Magnetic Resonance in Medicine</i> , <b>2001</b> , 45, 887-98   | 4.4  | 97  |
| 408 | Early wound healing exhibits cytokine surge without evidence of hypoxia. <i>Annals of Surgery</i> , <b>2000</b> , 231, 137-47   | 7.8  | 95  |
| 407 | Angiogenesis: an adaptive dynamic biological patterning problem. <i>PLoS Computational Biology</i> , <b>2013</b> , 9, e1002983  | 5    | 94  |
| 406 | Alternative inclusion of fibroblast growth factor receptor 2 exon IIIc in Dunning prostate tumors reveals unexpected epithelial mesenchymal plasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 14116-21  | 11.5 | 94  |

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|-----|---|------|----|
| 405 | Effect of pazopanib on tumor microenvironment and liposome delivery. <i>Molecular Cancer Therapeutics</i> , <b>2010</b> , 9, 1798-808   | 6.1  | 92 |
| 404 | Design of Mn porphyrins for treating oxidative stress injuries and their redox-based regulation of cellular transcriptional activities. <i>Amino Acids</i> , <b>2012</b> , 42, 95-113   | 3.5  | 91 |
| 403 | Circulating D-dimer levels are better predictors of overall survival and disease progression than carcinoembryonic antigen levels in patients with metastatic colorectal carcinoma. <i>Cancer</i> , <b>2004</b> , 101, 77-82                                  | 6.4  | 91 |
| 402 | Cumulative minutes with T90 greater than Tempindex is predictive of response of superficial malignancies to hyperthermia and radiation. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1993</b> , 25, 841-7                          | 4    | 91 |
| 401 | Molecular imaging of hypoxia. <i>Journal of Nuclear Medicine</i> , <b>2011</b> , 52, 165-8  | 8.9  | 89 |
| 400 | Measurement of material extravasation in microvascular networks using fluorescence video-microscopy. <i>Microvascular Research</i> , <b>1993</b> , 46, 231-53   | 3.7  | 88 |
| 399 | Epinephrine-induced activation of LW-mediated sickle cell adhesion and vaso-occlusion in vivo. <i>Blood</i> , <b>2007</b> , 110, 2708-17  | 2.2  | 87 |
| 398 | Modulation of circulating angiogenic factors and tumor biology by aerobic training in breast cancer patients receiving neoadjuvant chemotherapy. <i>Cancer Prevention Research</i> , <b>2013</b> , 6, 925-37  | 3.2  | 86 |
| 397 | Long-term administration of a small molecular weight catalytic metalloporphyrin antioxidant, AEOL 10150, protects lungs from radiation-induced injury. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2007</b> , 67, 573-80          | 4    | 86 |
| 396 | Perspectives from man's best friend: National Academy of Medicine's Workshop on Comparative Oncology. <i>Science Translational Medicine</i> , <b>2016</b> , 8, 324ps5   | 17.5 | 85 |
| 395 | Targeting tumor microvessels using doxorubicin encapsulated in a novel thermosensitive liposome. <i>Molecular Cancer Therapeutics</i> , <b>2004</b> , 3, 1311-7   | 6.1  | 85 |
| 394 | Antiangiogenic action of redox-modulating Mn(III) meso-tetrakis(N-ethylpyridinium-2-yl)porphyrin, MnTE-2-PyP(5+), via suppression of oxidative stress in a mouse model of breast tumor. <i>Free Radical Biology and Medicine</i> , <b>2009</b> , 47, 992-1004 | 7.8  | 84 |
| 393 | Erythropoietin blockade inhibits the induction of tumor angiogenesis and progression. <i>PLoS ONE</i> , <b>2007</b> , 2, e549   | 3.7  | 84 |
| 392 | Perivascular Oxygen Tensions in a Transplantable Mammary Tumor Growing in a Dorsal Flap Window Chamber. <i>Radiation Research</i> , <b>1992</b> , 130, 171  | 3.1  | 84 |
| 391 | Tumor cells upregulate normoxic HIF-1 $\alpha$ in response to doxorubicin. <i>Cancer Research</i> , <b>2013</b> , 73, 6230-42   | 10.1 | 83 |
| 390 | Exercise modulation of the host-tumor interaction in an orthotopic model of murine prostate cancer. <i>Journal of Applied Physiology</i> , <b>2012</b> , 113, 263-72  | 3.7  | 83 |
| 389 | Effect of aerobic exercise on tumor physiology in an animal model of human breast cancer. <i>Journal of Applied Physiology</i> , <b>2010</b> , 108, 343-8   | 3.7  | 83 |
| 388 | Recent progress in defining mechanisms and potential targets for prevention of normal tissue injury after radiation therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2005</b> , 62, 255-94                                    |      | 83 |

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| 387 | ERRERegulated Lactate Metabolism Contributes to Resistance to Targeted Therapies in Breast Cancer. <i>Cell Reports</i> , <b>2016</b> , 15, 323-35  | 10.6 | 83 |
| 386 | Two phase I dose-escalation/pharmacokinetics studies of low temperature liposomal doxorubicin (LTLD) and mild local hyperthermia in heavily pretreated patients with local regionally recurrent breast cancer. <i>International Journal of Hyperthermia</i> , <b>2014</b> , 30, 285-94 | 3.7  | 80 |
| 385 | Systemic overexpression of angiotensin-2 promotes tumor microvessel regression and inhibits angiogenesis and tumor growth. <i>Cancer Research</i> , <b>2007</b> , 67, 3835-44  | 10.1 | 80 |
| 384 | Overexpression of extracellular superoxide dismutase reduces acute radiation induced lung toxicity. <i>BMC Cancer</i> , <b>2005</b> , 5, 59  | 4.8  | 78 |
| 383 | EFFECTS OF EXERCISE ON PROSTATE CANCER GROWTH IN A MOUSE MODEL. <i>Journal of Urology</i> , <b>2009</b> , 181, 48-48   | 2.5  | 77 |
| 382 | Concerted regulation of skeletal muscle contractility by oxygen tension and endogenous nitric oxide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 15229-34  | 11.5 | 77 |
| 381 | Tumor-dependent kinetics of partial pressure of oxygen fluctuations during air and oxygen breathing. <i>Cancer Research</i> , <b>2004</b> , 64, 6010-7   | 10.1 | 77 |
| 380 | Bromelain treatment decreases neutrophil migration to sites of inflammation. <i>Clinical Immunology</i> , <b>2008</b> , 128, 66-74   | 9    | 76 |
| 379 | Observation of incipient tumor angiogenesis that is independent of hypoxia and hypoxia inducible factor-1 activation. <i>Cancer Research</i> , <b>2005</b> , 65, 5498-505  | 10.1 | 76 |
| 378 | Review of methods used to study oxygen transport at the microcirculatory level. <i>International Journal of Cancer</i> , <b>2000</b> , 90, 237-255   | 7.5  | 76 |
| 377 | Noninvasive visualization of tumors in rodent dorsal skin window chambers. <i>Nature Biotechnology</i> , <b>1999</b> , 17, 1033-5  | 44.5 | 76 |
| 376 | Carbonic anhydrase IX in early-stage non-small cell lung cancer. <i>Clinical Cancer Research</i> , <b>2004</b> , 10, 7925-33   | 33.9 | 74 |
| 375 | Preoperative Single-Fraction Partial Breast Radiation Therapy: A Novel Phase 1, Dose-Escalation Protocol With Radiation Response Biomarkers. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2015</b> , 92, 846-55   | 4    | 72 |
| 374 | The potential role of intrinsic hypoxia markers as prognostic variables in cancer. <i>Antioxidants and Redox Signaling</i> , <b>2007</b> , 9, 1237-94  | 8.4  | 72 |
| 373 | A methodology for using SPECT to reduce intensity-modulated radiation therapy (IMRT) dose to functioning lung. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2006</b> , 66, 1543-52  | 4    | 72 |
| 372 | A manganese porphyrin superoxide dismutase mimetic enhances tumor radioresponsiveness. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2005</b> , 63, 545-52   | 4    | 71 |
| 371 | Thermal dose is related to duration of local control in canine sarcomas treated with thermoradiotherapy. <i>Clinical Cancer Research</i> , <b>2005</b> , 11, 5206-14   | 12.9 | 71 |
| 370 | The role of blood-brain barrier permeability in brain tumor imaging and therapeutics. <i>American Journal of Roentgenology</i> , <b>2005</b> , 185, 763-7  | 5.4  | 71 |



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| 369 | A comparison of tumor and normal tissue microvascular hematocrits and red cell fluxes in a rat window chamber model. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1993</b> , 25, 269-76        | 4    | 70 |
| 368 | Hyperthermia combined with radiation therapy for superficial breast cancer and chest wall recurrence: a review of the randomised data. <i>International Journal of Hyperthermia</i> , <b>2010</b> , 26, 612-7             | 3.7  | 69 |
| 367 | Combined external beam irradiation and external regional hyperthermia for locally advanced adenocarcinoma of the prostate. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1997</b> , 37, 1059-65 | 4    | 68 |
| 366 | The relationship between hypoxia and angiogenesis. <i>Seminars in Radiation Oncology</i> , <b>2004</b> , 14, 215-21   | 5.5  | 67 |
| 365 | The treatment of high-grade soft tissue sarcomas with preoperative thermoradiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1999</b> , 45, 941-9                                       | 4    | 67 |
| 364 | Stereocomplexed poly(lactic acid)-poly(ethylene glycol) nanoparticles with dual-emissive boron dyes for tumor accumulation. <i>ACS Nano</i> , <b>2010</b> , 4, 4989-96  | 16.7 | 66 |
| 363 | Temporal changes in PO <sub>2</sub> of R3230AC tumors in Fischer-344 rats. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1998</b> , 42, 723-6   | 4    | 65 |
| 362 | Doxorubicin-conjugated chimeric polypeptide nanoparticles that respond to mild hyperthermia. <i>Journal of Controlled Release</i> , <b>2012</b> , 159, 362-7  | 11.7 | 64 |
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