

# Mark W Dewhirst

## List of Publications by Year in Descending Order

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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	Characterization and initial demonstration of efficacy of a novel heat-activated metalloenediyne anti-cancer agent.. <i>International Journal of Hyperthermia</i> , <b>2022</b> , 39, 405-413	3.7	
493	Late onset cardiovascular dysfunction in adult mice resulting from galactic cosmic ray exposure.. <i>IScience</i> , <b>2022</b> , 25, 104086	6.1	3
492	[F]Fluoro-DCP, a first generation PET radiotracer for monitoring protein sulfenylation in vivo.. <i>Redox Biology</i> , <b>2021</b> , 49, 102218	11.3	1
491	Manganese Porphyrin and Radiotherapy Improves Local Tumor Response and Overall Survival in Orthotopic Murine Mammary Carcinoma Models. <i>Radiation Research</i> , <b>2021</b> , 195, 128-139	3.1	2
490	Polymer-assisted intratumoral delivery of ethanol: Preclinical investigation of safety and efficacy in a murine breast cancer model. <i>PLoS ONE</i> , <b>2021</b> , 16, e0234535	3.7	3
489	Editors' awardees for 2021. <i>International Journal of Hyperthermia</i> , <b>2021</b> , 38, 795-797	3.7	
488	Imaging Hypoxia <b>2021</b> , 869-895		
487	Drug development of lyso-thermosensitive liposomal doxorubicin: Combining hyperthermia and thermosensitive drug delivery. <i>Advanced Drug Delivery Reviews</i> , <b>2021</b> , 178, 113985	18.5	7
486	Long-term Consequences of Pelvic Irradiation: Toxicities, Challenges, and Therapeutic Opportunities with Pharmacologic Mitigators. <i>Clinical Cancer Research</i> , <b>2020</b> , 26, 3079-3090	12.9	4
485	Cast-iron tunnelsTolerance to imposed longitudinal settlement curvature. <i>Geotechnique</i> , <b>2020</b> , 1-12	3.4	2
484	A New Assay to Measure Intestinal Crypt Survival after Irradiation: Challenges and Opportunities. <i>Cancer Research</i> , <b>2020</b> , 80, 927-928	10.1	0
483	Psoralen Derivatives with Enhanced Potency. <i>Photochemistry and Photobiology</i> , <b>2020</b> , 96, 1014-1031	3.6	7
482	Transitioning from Gamma Rays to X Rays for Comparable Biomedical Research Irradiations: Energy Matters. <i>Radiation Research</i> , <b>2020</b> , 193, 506-511	3.1	5
481	Dual-emissive, oxygen-sensing boron nanoparticles quantify oxygen consumption rate in breast cancer cells. <i>Journal of Biomedical Optics</i> , <b>2020</b> , 25,	3.5	2
480	Cyclic Hypoxia: An Update on Its Characteristics, Methods to Measure It and Biological Implications in Cancer. <i>Cancers</i> , <b>2020</b> , 13,	6.6	16
479	Cherenkov emissions for studying tumor changes during radiation therapy: An exploratory study in domesticated dogs with naturally-occurring cancer. <i>PLoS ONE</i> , <b>2020</b> , 15, e0238106	3.7	1
478	Editors' awardees for 2020. <i>International Journal of Hyperthermia</i> , <b>2020</b> , 37, 868-869	3.7	

477	Radiofrequency Ablation Duration per Tumor Volume May Correlate with Overall Survival in Solitary Hepatocellular Carcinoma Patients Treated with Radiofrequency Ablation Plus Lyso-Thermosensitive Liposomal Doxorubicin. <i>Journal of Vascular and Interventional Radiology</i> , <b>2019</b> , 30, 1908-1914	2.4	7
476	Clinical and Pre-clinical Methods for Quantifying Tumor Hypoxia. <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> , 1136, 19-41	3.6	16
475	Can Exercise-Induced Modulation of the Tumor Physiologic Microenvironment Improve Antitumor Immunity?. <i>Cancer Research</i> , <b>2019</b> , 79, 2447-2456	10.1	28
474	E-Cadherin Represses Anchorage-Independent Growth in Sarcomas through Both Signaling and Mechanical Mechanisms. <i>Molecular Cancer Research</i> , <b>2019</b> , 17, 1391-1402	6.6	15
473	Clarifying the Relative Impacts of Vascular and Nerve Injury That Culminate in Erectile Dysfunction in a Pilot Study Using a Rat Model of Prostate Irradiation and a Thrombopoietin Mimetic. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2019</b> , 103, 1212-1220	4	6
472	A new photogrammetric system for high-precision monitoring of tunnel deformations. <i>Proceedings of the Institution of Civil Engineers: Transport</i> , <b>2019</b> , 172, 81-93	0.5	5
471	Rationale for hypoxia assessment and amelioration for precision therapy and immunotherapy studies. <i>Journal of Clinical Investigation</i> , <b>2019</b> , 129, 489-491	15.9	18
470	Mechanism-Specific Pharmacodynamics of a Novel Complex-I Inhibitor Quantified by Imaging Reversal of Consumptive Hypoxia with [F]FAZA PET. <i>Cells</i> , <b>2019</b> , 8,	7.9	9
469	Comparative Approach to the Temporo-Spatial Organization of the Tumor Microenvironment. <i>Frontiers in Oncology</i> , <b>2019</b> , 9, 1185	5.3	6
468	Exercise as Adjunct Therapy in Cancer. <i>Seminars in Radiation Oncology</i> , <b>2019</b> , 29, 16-24	5.5	58
467	Simultaneous in vivo optical quantification of key metabolic and vascular endpoints reveals tumor metabolic diversity in murine breast tumor models. <i>Journal of Biophotonics</i> , <b>2019</b> , 12, e201800372	3.1	4
466	Technological Advances, Biologic Rationales, and the Associated Success of Chemotherapy With Hyperthermia in Improved Outcomes in Patients With Sarcoma. <i>JAMA Oncology</i> , <b>2018</b> , 4, 493-494	13.4	5
465	Enhancing Radiation Therapy Through Cherenkov Light-Activated Phototherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2018</b> , 100, 794-801	4	10
464	In Reply to Pratz and Kapp. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2018</b> , 101, 495-496		
463	Metabolopectics: Visualization of the tumor functional landscape via metabolic and vascular imaging. <i>Scientific Reports</i> , <b>2018</b> , 8, 4171	4.9	12
462	Near-simultaneous quantification of glucose uptake, mitochondrial membrane potential, and vascular parameters in murine flank tumors using quantitative diffuse reflectance and fluorescence spectroscopy. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 3399-3412	3.5	6
461	Application of a Novel Murine Ear Vein Model to Evaluate the Effects of a Vascular Radioprotectant on Radiation-Induced Vascular Permeability and Leukocyte Adhesion. <i>Radiation Research</i> , <b>2018</b> , 190, 12-21	3.1	5
460	Development and Preliminary Evaluation of a Murine Model of Chronic Radiation-Induced Proctitis. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2018</b> , 101, 1194-1201	4	5

459	Assessing effects of pressure on tumor and normal tissue physiology using an automated self-calibrated, pressure-sensing probe for diffuse reflectance spectroscopy. <i>Journal of Biomedical Optics</i> , <b>2018</b> , 23, 1-8	3.5	1
458	Nanoparticle formulation improves doxorubicin efficacy by enhancing host antitumor immunity. <i>Journal of Controlled Release</i> , <b>2018</b> , 269, 364-373	11.7	36
457	Exercise inhibits tumor growth and central carbon metabolism in patient-derived xenograft models of colorectal cancer. <i>Cancer &amp; Metabolism</i> , <b>2018</b> , 6, 14	5.4	14
456	A potential solution for eliminating hypoxia as a cause for radioresistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 10548-10550	11.5	11
455	Transition to open access. <i>International Journal of Hyperthermia</i> , <b>2018</b> , 34, 1134	3.7	
454	Encapsulating a Hydrophilic Chemotherapeutic into Rod-like Nanoparticles of a Genetically Encoded Asymmetric Triblock Polypeptide Improves its Efficacy. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1605421	15.6	18
453	Evidence for Feedback Regulation Following Cholesterol Lowering Therapy in a Prostate Cancer Xenograft Model. <i>Prostate</i> , <b>2017</b> , 77, 446-457	4.2	13
452	Subtype-Specific Radiation Response and Therapeutic Effect of FAS Death Receptor Modulation in Human Breast Cancer. <i>Radiation Research</i> , <b>2017</b> , 188, 169-180	3.1	4
451	Inhibition of the Continuum of Radiation-Induced Normal Tissue Injury by a Redox-Active Mn Porphyrin. <i>Radiation Research</i> , <b>2017</b> , 188, 94-104	3.1	11
450	Multidisciplinary Mentoring Programs to Enhance Junior Faculty Research Grant Success. <i>Academic Medicine</i> , <b>2017</b> , 92, 1410-1415	3.9	33
449	Distinct Angiogenic Changes during Carcinogenesis Defined by Novel Label-Free Dark-Field Imaging in a Hamster Cheek Pouch Model. <i>Cancer Research</i> , <b>2017</b> , 77, 7109-7119	10.1	5
448	Inflammatory breast cancer tumor emboli express high levels of anti-apoptotic proteins: use of a quantitative high content and high-throughput 3D IBC spheroid assay to identify targeting strategies. <i>Oncotarget</i> , <b>2017</b> , 8, 25848-25863	3.3	24
447	NIR-emissive PEG-b-TCL micelles for breast tumor imaging and minimally invasive pharmacokinetic analysis. <i>Nanoscale</i> , <b>2017</b> , 9, 13465-13476	7.7	13
446	Development of enhanced ethanol ablation as an alternative to surgery in treatment of superficial solid tumors. <i>Scientific Reports</i> , <b>2017</b> , 7, 8750	4.9	20
445	MP65-08 HEAT-TARGETED DRUG DELIVERY USING THE COMBAT BRS DEVICE FOR TREATING BLADDER CANCER. <i>Journal of Urology</i> , <b>2017</b> , 197,	2.5	2
444	GBM radiosensitizers: dead in the water or just the beginning?. <i>Journal of Neuro-Oncology</i> , <b>2017</b> , 134, 513-521	4.8	10
443	Endothelial cell-surface tissue transglutaminase inhibits neutrophil adhesion by binding and releasing nitric oxide. <i>Scientific Reports</i> , <b>2017</b> , 7, 16163	4.9	7
442	Transport of drugs from blood vessels to tumour tissue. <i>Nature Reviews Cancer</i> , <b>2017</b> , 17, 738-750	31.3	332

441	Potential for a novel manganese porphyrin compound as adjuvant canine lymphoma therapy. <i>Cancer Chemotherapy and Pharmacology</i> , <b>2017</b> , 80, 421-431	3.5	2
440	Noninvasive measurement of tissue blood oxygenation with Cerenkov imaging during therapeutic radiation delivery. <i>Optics Letters</i> , <b>2017</b> , 42, 3101-3104	3	6
439	Differential response to exercise in claudin-low breast cancer. <i>Oncotarget</i> , <b>2017</b> , 8, 100989-101004	3.3	13
438	Hyperthermia <b>2016</b> , 381-398.e6		5
437	Anticancer Action of Mn Porphyrins in Head and Neck Cancer. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , <b>2016</b> , 469-484		3
436	Discovery of Manassantin A Protein Targets Using Large-Scale Protein Folding and Stability Measurements. <i>Journal of Proteome Research</i> , <b>2016</b> , 15, 2688-96	5.6	23
435	Implications of Increase in Vascular Permeability in Tumors by VEGF: A Commentary on the Pioneering Work of Harold Dvorak. <i>Cancer Research</i> , <b>2016</b> , 76, 3118-20	10.1	13
434	Oxygen and Perfusion Kinetics in Response to Fractionated Radiation Therapy in FaDu Head and Neck Cancer Xenografts Are Related to Treatment Outcome. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2016</b> , 96, 462-469	4	19
433	The future of biology in driving the field of hyperthermia. <i>International Journal of Hyperthermia</i> , <b>2016</b> , 32, 4-13	3.7	60
432	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
431	Hyperspectral Imaging of Glucose Uptake, Mitochondrial Membrane Potential, and Vascular Oxygenation Differentiates Breast Cancers with Distinct Metastatic Potential In Vivo <b>2016</b> ,		1
430	X-Ray Psoralen Activated Cancer Therapy (X-PACT). <i>PLoS ONE</i> , <b>2016</b> , 11, e0162078	3.7	16
429	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
428	ERRRegulated Lactate Metabolism Contributes to Resistance to Targeted Therapies in Breast Cancer. <i>Cell Reports</i> , <b>2016</b> , 15, 323-35	10.6	83
427	Improving the Predictive Value of Preclinical Studies in Support of Radiotherapy Clinical Trials. <i>Clinical Cancer Research</i> , <b>2016</b> , 22, 3138-47	12.9	52
426	Effects of hyperthermia in neutralising mechanisms of drug resistance in non-muscle-invasive bladder cancer. <i>International Journal of Hyperthermia</i> , <b>2016</b> , 32, 434-45	3.7	25
425	Oxygen-Enhanced MRI Is a Major Advance in Tumor Hypoxia Imaging. <i>Cancer Research</i> , <b>2016</b> , 76, 769-72	10.1	39
424	Neurobehavioral radiation mitigation to standard brain cancer therapy regimens by Mn(III) n-butoxyethylpyridylporphyrin-based redox modifier. <i>Environmental and Molecular Mutagenesis</i> , <b>2016</b> , 57, 372-81	3.2	16

423	Effects of high-dose microbeam irradiation on tumor microvascular function and angiogenesis. <i>Radiation Research</i> , <b>2015</b> , 183, 147-58	3.1	15
422	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
421	HIF-1 Alpha Regulates the Response of Primary Sarcomas to Radiation Therapy through a Cell Autonomous Mechanism. <i>Radiation Research</i> , <b>2015</b> , 183, 594-609	3.1	33
420	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
419	Luminescent difluoroboron diketonate PEG-PLA oxygen nanosensors for tumor imaging. <i>Macromolecular Rapid Communications</i> , <b>2015</b> , 36, 694-9	4.8	25
418	Genomic profiling in locally advanced and inflammatory breast cancer and its link to DCE-MRI and overall survival. <i>International Journal of Hyperthermia</i> , <b>2015</b> , 31, 386-95	3.7	11
417	Synthesis and Biological Evaluation of Manassantin Analogues for Hypoxia-Inducible Factor 1 $\alpha$ Inhibition. <i>Journal of Medicinal Chemistry</i> , <b>2015</b> , 58, 7659-71	8.3	16
416	Microdosimetric and Biological Effects of Photon Irradiation at Different Energies in Bone Marrow. <i>Radiation Research</i> , <b>2015</b> , 184, 378-91	3.1	8
415	Evolution of Thermal Dosimetry for Application of Hyperthermia to Treat Cancer. <i>Advances in Heat Transfer</i> , <b>2015</b> , 47, 397-421	1.9	23
414	FAS Death Receptor: A Breast Cancer Subtype-Specific Radiation Response Biomarker and Potential Therapeutic Target. <i>Radiation Research</i> , <b>2015</b> , 184, 456-69	3.1	20
413	Reply: Pharmacokinetic and Pharmacodynamic Modifiers of EF5 Uptake and Binding. <i>Journal of Nuclear Medicine</i> , <b>2015</b> , 56, 653-4	8.9	
412	Novel Manganese-Porphyrin Superoxide Dismutase-Mimetic Widens the Therapeutic Margin in a Preclinical Head and Neck Cancer Model. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2015</b> , 93, 892-900	4	51
411	Prognostic significance of differential expression of angiogenic genes in women with high-grade serous ovarian carcinoma. <i>Gynecologic Oncology</i> , <b>2015</b> , 139, 23-9	4.9	18
410	Mn Porphyrin-Based SOD Mimic and Vitamin C Enhance Radiation-Induced Tumor Growth Inhibition. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 87, S97	7.8	4
409	Targeting N-cadherin increases vascular permeability and differentially activates AKT in melanoma. <i>Annals of Surgery</i> , <b>2015</b> , 261, 368-77	7.8	10
408	Common responses of tumors and wounds to hypoxia. <i>Cancer Journal (Sudbury, Mass )</i> , <b>2015</b> , 21, 75-87	2.2	28
407	A tribute to Philip Marcus and the development of the clonogenic assay. <i>Radiation Research</i> , <b>2015</b> , 183, 497-500	3.1	
406	Anticancer therapeutic potential of Mn porphyrin/ascorbate system. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 89, 1231-47	7.8	48

405	Doxorubicin-conjugated polypeptide nanoparticles inhibit metastasis in two murine models of carcinoma. <i>Journal of Controlled Release</i> , <b>2015</b> , 208, 52-8	11.7	46
404	Radioprotection of the brain white matter by Mn(III) n-Butoxyethylpyridylporphyrin-based superoxide dismutase mimic MnTnBuOE-2-PyP5+. <i>Molecular Cancer Therapeutics</i> , <b>2015</b> , 14, 70-9	6.1	55
403	Dynamic treatment effect (DTE) curves reveal the mode of action for standard and experimental cancer therapies. <i>Oncotarget</i> , <b>2015</b> , 6, 14656-68	3.3	2
402	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
401	Comparison of the Hypoxia PET Tracer (18)F-EF5 to Immunohistochemical Marker EF5 in 3 Different Human Tumor Xenograft Models. <i>Journal of Nuclear Medicine</i> , <b>2014</b> , 55, 1192-7	8.9	14
400	Rational design of "heat seeking" drug loaded polypeptide nanoparticles that thermally target solid tumors. <i>Nano Letters</i> , <b>2014</b> , 14, 2890-5	11.5	51
399	Hypoxia in melanoma: using optical spectroscopy and EF5 to assess tumor oxygenation before and during regional chemotherapy for melanoma. <i>Annals of Surgical Oncology</i> , <b>2014</b> , 21, 1435-40	3.1	7
398	The additive damage model: a mathematical model for cellular responses to drug combinations. <i>Journal of Theoretical Biology</i> , <b>2014</b> , 357, 10-20	2.3	8
397	Linking the history of radiation biology to the hallmarks of cancer. <i>Radiation Research</i> , <b>2014</b> , 181, 561-77	3.1	31
396	Delivery-corrected imaging of fluorescently-labeled glucose reveals distinct metabolic phenotypes in murine breast cancer. <i>PLoS ONE</i> , <b>2014</b> , 9, e115529	3.7	20
395	A pilot clinical trial of intravesical mitomycin-C and external deep pelvic hyperthermia for non-muscle-invasive bladder cancer. <i>International Journal of Hyperthermia</i> , <b>2014</b> , 30, 171-5	3.7	51
394	Imaging tumor hypoxia to advance radiation oncology. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 21, 313-38	3.4	61
393	Thermal dosimetry characteristics of deep regional heating of non-muscle invasive bladder cancer. <i>International Journal of Hyperthermia</i> , <b>2014</b> , 30, 176-83	3.7	24
392	Measuring tumor cycling hypoxia and angiogenesis using a side-firing fiber optic probe. <i>Journal of Biophotonics</i> , <b>2014</b> , 7, 552-64	3.1	14
391	Verification of a novel method for tube voltage constancy measurement of orthovoltage x-ray irradiators. <i>Medical Physics</i> , <b>2014</b> , 41, 084101	4.4	
390	Systemic anti-tumour effects of local thermally sensitive liposome therapy. <i>International Journal of Hyperthermia</i> , <b>2014</b> , 30, 385-92	3.7	17
389	Toward an organ based dose prescription method for the improved accuracy of murine dose in orthovoltage x-ray irradiators. <i>Medical Physics</i> , <b>2014</b> , 41, 034101	4.4	11
388	Rationalization of thermal injury quantification methods: application to skin burns. <i>Burns</i> , <b>2014</b> , 40, 896-902	3.2	44



387	Abstract 3774: Hyperthermia treatment overcomes temozolomide resistance in glioma cells by downregulatingMGMTexpression and increasing temozolomide uptake <b>2014</b> ,		3
386	Anti-hypotensive treatment and endothelin blockade synergistically antagonize exercise fatigue in rats under simulated high altitude. <i>PLoS ONE</i> , <b>2014</b> , 9, e99309	3.7	7
385	Automated measurement of microcirculatory blood flow velocity in pulmonary metastases of rats. <i>Journal of Visualized Experiments</i> , <b>2014</b> , e51630	1.6	2
384	Imaging the Hypoxic Tumor Microenvironment in Preclinical Models. <i>Cancer Drug Discovery and Development</i> , <b>2014</b> , 157-178	0.3	
383	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
382	Actively targeting solid tumours with thermoresponsive drug delivery systems that respond to mild hyperthermia. <i>International Journal of Hyperthermia</i> , <b>2013</b> , 29, 501-10	3.7	41
381	Quantitative mapping of hemodynamics in the lung, brain, and dorsal window chamber-grown tumors using a novel, automated algorithm. <i>Microcirculation</i> , <b>2013</b> , 20, 724-35	2.9	18
380	Radiation induces aerobic glycolysis through reactive oxygen species. <i>Radiotherapy and Oncology</i> , <b>2013</b> , 106, 390-6	5.3	38
379	Resveratrol worsens survival in SCID mice with prostate cancer xenografts in a cell-line specific manner, through paradoxical effects on oncogenic pathways. <i>Prostate</i> , <b>2013</b> , 73, 754-62	4.2	25
378	Introduction: tumor as an organ. <i>Seminars in Radiation Oncology</i> , <b>2013</b> , 23, 235-6	5.5	
377	Understanding the tumor microenvironment and radioresistance by combining functional imaging with global gene expression. <i>Seminars in Radiation Oncology</i> , <b>2013</b> , 23, 296-305	5.5	14
376	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
375	The effect of carbohydrate restriction on prostate cancer tumor growth in a castrate mouse xenograft model. <i>Prostate</i> , <b>2013</b> , 73, 449-54	4.2	26
374	Magnetic fluid hyperthermia for bladder cancer: a preclinical dosimetry study. <i>International Journal of Hyperthermia</i> , <b>2013</b> , 29, 835-44	3.7	38
373	Mechanistic Considerations of the Therapeutic Effects of Mn Porphyrins, Commonly Regarded as SOD Mimics, in Anticancer Therapy: Lessons from Brain and Lymphoma Studies. <i>Free Radical Biology and Medicine</i> , <b>2013</b> , 65, S120-S121	7.8	7
372	Tumor cells upregulate normoxic HIF-1 $\alpha$ response to doxorubicin. <i>Cancer Research</i> , <b>2013</b> , 73, 6230-42	10.1	83
371	Novel approaches to treatment of hepatocellular carcinoma and hepatic metastases using thermal ablation and thermosensitive liposomes. <i>Surgical Oncology Clinics of North America</i> , <b>2013</b> , 22, 545-61	2.7	29
370	CHAPTER 2:Materials Science and Engineering of the Low Temperature Sensitive Liposome (LTSL): Composition-Structure-Property Relationships That Underlie its Design and Performance. <i>RSC Smart Materials</i> , <b>2013</b> , 33-79	0.6	5



369	A network of substrates of the E3 ubiquitin ligases MDM2 and HUWE1 control apoptosis independently of p53. <i>Science Signaling</i> , <b>2013</b> , 6, ra32	8.8	44
368	The impact of temperature and urinary constituents on urine viscosity and its relevance to bladder hyperthermia treatment. <i>International Journal of Hyperthermia</i> , <b>2013</b> , 29, 206-10	3.7	49
367	A role for the copper transporter Ctr1 in the synergistic interaction between hyperthermia and cisplatin treatment. <i>International Journal of Hyperthermia</i> , <b>2013</b> , 29, 528-38	3.7	19
366	PET with <sup>62</sup> Cu-ATSM and <sup>62</sup> Cu-PTSM is a useful imaging tool for hypoxia and perfusion in pulmonary lesions. <i>American Journal of Roentgenology</i> , <b>2013</b> , 201, W698-706	5.4	17
365	Preclinical Dosimetry of Magnetic Fluid Hyperthermia for Bladder Cancer. <i>Proceedings of SPIE</i> , <b>2013</b> , 8584, 1656985	1.7	3
364	Endothelial colony forming cells (ECFCs) as a model for studying effects of low-dose ionizing radiation: growth inhibition by a single dose. <i>Cancer Investigation</i> , <b>2013</b> , 31, 359-64	2.1	7
363	Angiogenesis: an adaptive dynamic biological patterning problem. <i>PLoS Computational Biology</i> , <b>2013</b> , 9, e1002983	5	94
362	Automated measurement of blood flow velocity and direction and hemoglobin oxygen saturation in the rat lung using intravital microscopy. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2013</b> , 304, L86-91	5.8	18
361	Temperature matters! And why it should matter to tumor immunologists. <i>Cancer Immunology Research</i> , <b>2013</b> , 1, 210-6	12.5	129
360	<sup>18</sup> F-EF5 PET imaging as an early response biomarker for the hypoxia-activated prodrug SN30000 combined with radiation treatment in a non-small cell lung cancer xenograft model. <i>Journal of Nuclear Medicine</i> , <b>2013</b> , 54, 1339-46	8.9	27
359	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
358	Flaxseed-derived enterolactone is inversely associated with tumor cell proliferation in men with localized prostate cancer. <i>Journal of Medicinal Food</i> , <b>2013</b> , 16, 357-60	2.8	39
357	A method to convert MRI images of temperature change into images of absolute temperature in solid tumours. <i>International Journal of Hyperthermia</i> , <b>2013</b> , 29, 569-81	3.7	9
356	Sickle erythrocytes target cytotoxics to hypoxic tumor microvessels and potentiate a tumoricidal response. <i>PLoS ONE</i> , <b>2013</b> , 8, e52543	3.7	14
355	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
354	Delivery rate affects uptake of a fluorescent glucose analog in murine metastatic breast cancer. <i>PLoS ONE</i> , <b>2013</b> , 8, e76524	3.7	21
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