

Mark W Dewhirst

List of Publications by Year in descending order

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Version: 2024-02-01

528
papers

42,044
citations

2427

97
h-index

3182

186
g-index

539
all docs

539
docs citations

539
times ranked

42390
citing authors

#	ARTICLE	IF	CITATIONS
1	[18F]Fluoro-DCP, a first generation PET radiotracer for monitoring protein sulfenylation in vivo. Redox Biology, 2022, 49, 102218.	9.0	2
2	Immunologic Effects of Stereotactic Body Radiotherapy in Dogs with Spontaneous Tumors and the Impact of Intratumoral OX40/TLR Agonist Immunotherapy. International Journal of Molecular Sciences, 2022, 23, 826.	4.1	5
3	Characterization and initial demonstration of <i>in vivo</i> efficacy of a novel heat-activated metalloenediyne anti-cancer agent. International Journal of Hyperthermia, 2022, 39, 405-413.	2.5	0
4	Accurate Three-Dimensional Thermal Dosimetry and Assessment of Physiologic Response Are Essential for Optimizing Thermoradiotherapy. Cancers, 2022, 14, 1701.	3.7	13
5	Late onset cardiovascular dysfunction in adult mice resulting from galactic cosmic ray exposure. IScience, 2022, 25, 104086.	4.1	9
6	Polymer-assisted intratumoral delivery of ethanol: Preclinical investigation of safety and efficacy in a murine breast cancer model. PLoS ONE, 2021, 16, e0234535.	2.5	11
7	Editors'™ awardees for 2021. International Journal of Hyperthermia, 2021, 38, 795-797.	2.5	0
8	Imaging Hypoxia. , 2021, , 869-895.		0
9	Drug development of lyso-thermosensitive liposomal doxorubicin: Combining hyperthermia and thermosensitive drug delivery. Advanced Drug Delivery Reviews, 2021, 178, 113985.	13.7	37
10	Cyclic Hypoxia: An Update on Its Characteristics, Methods to Measure It and Biological Implications in Cancer. Cancers, 2021, 13, 23.	3.7	82
11	Cherenkov emissions for studying tumor changes during radiation therapy: An exploratory study in domesticated dogs with naturally-occurring cancer. PLoS ONE, 2020, 15, e0238106.	2.5	2
12	Editors'™ awardees for 2020. International Journal of Hyperthermia, 2020, 37, 868-869.	2.5	0
13	The integration of hyperthermia and drug delivery. Advanced Drug Delivery Reviews, 2020, 163-164, 1-2.	13.7	4
14	Long-term Consequences of Pelvic Irradiation: Toxicities, Challenges, and Therapeutic Opportunities with Pharmacologic Mitigators. Clinical Cancer Research, 2020, 26, 3079-3090.	7.0	16
15	Editorial: Emerging Translational Opportunities in Comparative Oncology with Companion Canine Cancers. Frontiers in Oncology, 2020, 10, 270.	2.8	3
16	Cast-iron tunnels'™ tolerance to imposed longitudinal settlement curvature. Geotechnique, 2020, , 1-12.	4.0	5
17	A New Assay to Measure Intestinal Crypt Survival after Irradiation: Challenges and Opportunities. Cancer Research, 2020, 80, 927-928.	0.9	3
18	Psoralen Derivatives with Enhanced Potency. Photochemistry and Photobiology, 2020, 96, 1014-1031.	2.5	17

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19	Transitioning from Gamma Rays to X Rays for Comparable Biomedical Research Irradiations: Energy Matters. <i>Radiation Research</i> , 2020, 193, 506.	1.5	18
20	Manganese Porphyrin and Radiotherapy Improves Local Tumor Response and Overall Survival in Orthotopic Murine Mammary Carcinoma Models. <i>Radiation Research</i> , 2020, 195, 128-139.	1.5	2
21	Dual-emissive, oxygen-sensing boron nanoparticles quantify oxygen consumption rate in breast cancer cells. <i>Journal of Biomedical Optics</i> , 2020, 25, .	2.6	6
22	A new photogrammetric system for high-precision monitoring of tunnel deformations. <i>Proceedings of the Institution of Civil Engineers: Transport</i> , 2019, 172, 81-93.	0.6	9
23	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> , 2019, 30, 1908-1914.	0.5	9
24	Clinical and Pre-clinical Methods for Quantifying Tumor Hypoxia. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1136, 19-41.	1.6	26
25	Can Exercise-Induced Modulation of the Tumor Physiologic Microenvironment Improve Antitumor Immunity?. <i>Cancer Research</i> , 2019, 79, 2447-2456.	0.9	41
26	E-Cadherin Represses Anchorage-Independent Growth in Sarcomas through Both Signaling and Mechanical Mechanisms. <i>Molecular Cancer Research</i> , 2019, 17, 1391-1402.	3.4	35
27	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> , 2019, 103, 1212-1220.	0.8	9
28	Mechanism-Specific Pharmacodynamics of a Novel Complex-I Inhibitor Quantified by Imaging Reversal of Consumptive Hypoxia with [¹⁸ F]FAZA PET In Vivo. <i>Cells</i> , 2019, 8, 1487.	4.1	20
29	Comparative Approach to the Temporo-Spatial Organization of the Tumor Microenvironment. <i>Frontiers in Oncology</i> , 2019, 9, 1185.	2.8	9
30	Exercise as Adjunct Therapy in Cancer. <i>Seminars in Radiation Oncology</i> , 2019, 29, 16-24.	2.2	91
31	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> , 2019, 12, e201800372.	2.3	8
32	Rationale for hypoxia assessment and amelioration for precision therapy and immunotherapy studies. <i>Journal of Clinical Investigation</i> , 2019, 129, 489-491.	8.2	29
33	Concurrent tracking of anatomy and metabolism. <i>Nature Biomedical Engineering</i> , 2018, 2, 54-55.	22.5	2
34	Technological Advances, Biologic Rationales, and the Associated Success of Chemotherapy With Hyperthermia in Improved Outcomes in Patients With Sarcoma. <i>JAMA Oncology</i> , 2018, 4, 493.	7.1	8
35	Enhancing Radiation Therapy Through Cherenkov Light-Activated Phototherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 100, 794-801.	0.8	18
36	In Reply to Prax and Kapp. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, 495-496.	0.8	0

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37	Metabolopectics: Visualization of the tumor functional landscape via metabolic and vascular imaging. <i>Scientific Reports</i> , 2018, 8, 4171.	3.3	21
38	Nanoparticle formulation improves doxorubicin efficacy by enhancing host antitumor immunity. <i>Journal of Controlled Release</i> , 2018, 269, 364-373.	9.9	52
39	Exercise inhibits tumor growth and central carbon metabolism in patient-derived xenograft models of colorectal cancer. <i>Cancer & Metabolism</i> , 2018, 6, 14.	5.0	22
40	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> , 2018, 115, 10548-10550.	7.1	21
41	Transition to open access. <i>International Journal of Hyperthermia</i> , 2018, 34, 1134-1134.	2.5	0
42	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> , 2018, 9, 3399.	2.9	12
43	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> , 2018, 190, 12.	1.5	5
44	Development and Preliminary Evaluation of a Murine Model of Chronic Radiation-Induced Proctitis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, 1194-1201.	0.8	8
45	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> , 2018, 23, 1.	2.6	3
46	Encapsulating a Hydrophilic Chemotherapeutic into Rod-Like Nanoparticles of a Genetically Encoded Asymmetric Triblock Polypeptide Improves Its Efficacy. <i>Advanced Functional Materials</i> , 2017, 27, 1605421.	14.9	27
47	Evidence for Feedback Regulation Following Cholesterol Lowering Therapy in a Prostate Cancer Xenograft Model. <i>Prostate</i> , 2017, 77, 446-457.	2.3	20
48	Subtype-Specific Radiation Response and Therapeutic Effect of FAS Death Receptor Modulation in Human Breast Cancer. <i>Radiation Research</i> , 2017, 188, 169.	1.5	4
49	Inhibition of the Continuum of Radiation-Induced Normal Tissue Injury by a Redox-Active Mn Porphyrin. <i>Radiation Research</i> , 2017, 188, 94.	1.5	18
50	Multidisciplinary Mentoring Programs to Enhance Junior Faculty Research Grant Success. <i>Academic Medicine</i> , 2017, 92, 1410-1415.	1.6	53
51	Distinct Angiogenic Changes during Carcinogenesis Defined by Novel Label-Free Dark-Field Imaging in a Hamster Cheek Pouch Model. <i>Cancer Research</i> , 2017, 77, 7109-7119.	0.9	7
52	NIR-emissive PEG-b-TCL micelles for breast tumor imaging and minimally invasive pharmacokinetic analysis. <i>Nanoscale</i> , 2017, 9, 13465-13476.	5.6	17
53	Development of enhanced ethanol ablation as an alternative to surgery in treatment of superficial solid tumors. <i>Scientific Reports</i> , 2017, 7, 8750.	3.3	35
54	MP65-08 HEAT-TARGETED DRUG DELIVERY USING THE COMBAT BRS DEVICE FOR TREATING BLADDER CANCER. <i>Journal of Urology</i> , 2017, 197, .	0.4	2

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55	GBM radiosensitizers: dead in the water or just the beginning?. <i>Journal of Neuro-Oncology</i> , 2017, 134, 513-521.	2.9	19
56	Endothelial cell-surface tissue transglutaminase inhibits neutrophil adhesion by binding and releasing nitric oxide. <i>Scientific Reports</i> , 2017, 7, 16163.	3.3	12
57	Transport of drugs from blood vessels to tumour tissue. <i>Nature Reviews Cancer</i> , 2017, 17, 738-750.	28.4	499
58	Potential for a novel manganese porphyrin compound as adjuvant canine lymphoma therapy. <i>Cancer Chemotherapy and Pharmacology</i> , 2017, 80, 421-431.	2.3	2
59	Noninvasive measurement of tissue blood oxygenation with Cerenkov imaging during therapeutic radiation delivery. <i>Optics Letters</i> , 2017, 42, 3101.	3.3	9
60	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> , 2017, 8, 25848-25863.	1.8	42
61	Differential response to exercise in claudin-low breast cancer. <i>Oncotarget</i> , 2017, 8, 100989-101004.	1.8	15
62	Hyperthermia. , 2017, , 2179-2186.		0
63	Efficacy and Mechanisms of Aerobic Exercise on Cancer Initiation, Progression, and Metastasis: A Critical Systematic Review of <i>In Vivo</i> Preclinical Data. <i>Cancer Research</i> , 2016, 76, 4032-4050.	0.9	145
64	ERR α -Regulated Lactate Metabolism Contributes to Resistance to Targeted Therapies in Breast Cancer. <i>Cell Reports</i> , 2016, 15, 323-335.	6.4	113
65	Improving the Predictive Value of Preclinical Studies in Support of Radiotherapy Clinical Trials. <i>Clinical Cancer Research</i> , 2016, 22, 3138-3147.	7.0	68
66	Effects of hyperthermia in neutralising mechanisms of drug resistance in non-muscle-invasive bladder cancer. <i>International Journal of Hyperthermia</i> , 2016, 32, 434-445.	2.5	29
67	Oxygen-Enhanced MRI Is a Major Advance in Tumor Hypoxia Imaging. <i>Cancer Research</i> , 2016, 76, 769-772.	0.9	48
68	Neurobehavioral radiation mitigation to standard brain cancer therapy regimens by Mn(III) <i>n</i> -butoxyethylpyridylporphyrin-based redox modifier. <i>Environmental and Molecular Mutagenesis</i> , 2016, 57, 372-381.	2.2	17
69	Hyperthermia. , 2016, , 381-398.e6.		7
70	Discovery of Manassantin A Protein Targets Using Large-Scale Protein Folding and Stability Measurements. <i>Journal of Proteome Research</i> , 2016, 15, 2688-2696.	3.7	27
71	Implications of Increase in Vascular Permeability in Tumors by VEGF: A Commentary on the Pioneering Work of Harold Dvorak. <i>Cancer Research</i> , 2016, 76, 3118-3120.	0.9	18
72	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> , 2016, 96, 462-469.	0.8	25

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73	The future of biology in driving the field of hyperthermia. International Journal of Hyperthermia, 2016, 32, 4-13.	2.5	69
74	Perspectives from manâ€™s best friend: National Academy of Medicineâ€™s Workshop on Comparative Oncology. Science Translational Medicine, 2016, 8, 324ps5.	12.4	108
75	Hyperspectral Imaging of Glucose Uptake, Mitochondrial Membrane Potential, and Vascular Oxygenation Differentiates Breast Cancers with Distinct Metastatic Potential In Vivo. , 2016, , .		1
76	X-Ray Psoralen Activated Cancer Therapy (X-PACT). PLoS ONE, 2016, 11, e0162078.	2.5	23
77	Abstract 1656: Subtype-specific radiation response in human breast cancer and potential therapeutic effect of FAS death receptor modulation. , 2016, , .		0
78	Abstract 1647: Radiation response genome-wide analysis using paired pre and post-radiation FFPE human breast tumor samples. , 2016, , .		0
79	Abstract SY22-02: Exercise and cancer progression: Preclinical evidence. , 2016, , .		0
80	Mn Porphyrin-Based SOD Mimic and Vitamin C Enhance Radiation-Induced Tumor Growth Inhibition. Free Radical Biology and Medicine, 2015, 87, S97.	2.9	4
81	Targeting N-cadherin Increases Vascular Permeability and Differentially Activates AKT in Melanoma. Annals of Surgery, 2015, 261, 368-377.	4.2	15
82	Common Responses of Tumors and Wounds to Hypoxia. Cancer Journal (Sudbury, Mass), 2015, 21, 75-87.	2.0	44
83	A Tribute to Philip Marcus and the Development of the Clonogenic Assay. Radiation Research, 2015, 183, 497-500.	1.5	0
84	Anticancer therapeutic potential of Mn porphyrin/ascorbate system. Free Radical Biology and Medicine, 2015, 89, 1231-1247.	2.9	56
85	Doxorubicin-conjugated polypeptide nanoparticles inhibit metastasis in two murine models of carcinoma. Journal of Controlled Release, 2015, 208, 52-58.	9.9	50
86	Radioprotection of the Brain White Matter by Mn(III) <i>N</i> -Butoxyethylpyridylporphyrinâ€‘Based Superoxide Dismutase Mimic MnTnBuOE-2-PyP5+. Molecular Cancer Therapeutics, 2015, 14, 70-79.	4.1	60
87	Effects of High-Dose Microbeam Irradiation on Tumor Microvascular Function and Angiogenesis. Radiation Research, 2015, 183, 147.	1.5	19
88	Preoperative Single-Fraction Partial Breast Radiation Therapy: A Novel Phase 1, Dose-Escalation Protocol With Radiation Response Biomarkers. International Journal of Radiation Oncology Biology Physics, 2015, 92, 846-855.	0.8	113
89	HIF-1 Alpha Regulates the Response of Primary Sarcomas to Radiation Therapy through a Cell Autonomous Mechanism. Radiation Research, 2015, 183, 594.	1.5	41
90	Modulation of Murine Breast Tumor Vascularity, Hypoxia, and Chemotherapeutic Response by Exercise. Journal of the National Cancer Institute, 2015, 107, .	6.3	188

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91	Luminescent Difluoroboron β -keto-ketone PEG-PLA Oxygen Nanosensors for Tumor Imaging. <i>Macromolecular Rapid Communications</i> , 2015, 36, 694-699.	3.9	32
92	From the Guest Editor. <i>Cancer Journal (Sudbury, Mass)</i> , 2015, 21, 47-48.	2.0	0
93	Genomic profiling in locally advanced and inflammatory breast cancer and its link to DCE-MRI and overall survival. <i>International Journal of Hyperthermia</i> , 2015, 31, 386-395.	2.5	12
94	Synthesis and Biological Evaluation of Manassantin Analogues for Hypoxia-Inducible Factor 1 α Inhibition. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 7659-7671.	6.4	19
95	Microdosimetric and Biological Effects of Photon Irradiation at Different Energies in Bone Marrow. <i>Radiation Research</i> , 2015, 184, 378-391.	1.5	12
96	Evolution of Thermal Dosimetry for Application of Hyperthermia to Treat Cancer. <i>Advances in Heat Transfer</i> , 2015, 47, 397-421.	0.9	25
97	FAS Death Receptor: A Breast Cancer Subtype-Specific Radiation Response Biomarker and Potential Therapeutic Target. <i>Radiation Research</i> , 2015, 184, 456.	1.5	26
98	Reply: Pharmacokinetic and Pharmacodynamic Modifiers of EF5 Uptake and Binding. <i>Journal of Nuclear Medicine</i> , 2015, 56, 653.2-654.	5.0	0
99	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> , 2015, 93, 892-900.	0.8	61
100	Prognostic significance of differential expression of angiogenic genes in women with high-grade serous ovarian carcinoma. <i>Gynecologic Oncology</i> , 2015, 139, 23-29.	1.4	27
101	Dynamic treatment effect (DTE) curves reveal the mode of action for standard and experimental cancer therapies. <i>Oncotarget</i> , 2015, 6, 14656-14668.	1.8	2
102	<i>Hyperthermia.</i> , 2015, , 1-7.		0
103	Abstract 3302: Subtype-specific radiation response in a mouse model of human breast cancer. , 2015, , .		0
104	Delivery-Corrected Imaging of Fluorescently-Labeled Glucose Reveals Distinct Metabolic Phenotypes in Murine Breast Cancer. <i>PLoS ONE</i> , 2014, 9, e115529.	2.5	23
105	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> , 2014, 30, 171-175.	2.5	54
106	Imaging Tumor Hypoxia to Advance Radiation Oncology. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 313-337.	5.4	77
107	Thermal dosimetry characteristics of deep regional heating of non-muscle invasive bladder cancer. <i>International Journal of Hyperthermia</i> , 2014, 30, 176-183.	2.5	27
108	Therapeutic Properties of Aerobic Training After a Cancer Diagnosis: More Than a One-Trick Pony?. <i>Journal of the National Cancer Institute</i> , 2014, 106, dju042-dju042.	6.3	12

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109	Measuring tumor cycling hypoxia and angiogenesis using a side-firing fiber optic probe. Journal of Biophotonics, 2014, 7, 552-564.	2.3	16
110	Verification of a novel method for tube voltage constancy measurement of orthovoltage x-ray irradiators. Medical Physics, 2014, 41, 084101.	3.0	0
111	Systemic anti-tumour effects of local thermally sensitive liposome therapy. International Journal of Hyperthermia, 2014, 30, 385-392.	2.5	22
112	Toward an organ based dose prescription method for the improved accuracy of murine dose in orthovoltage x-ray irradiators. Medical Physics, 2014, 41, 034101.	3.0	15
113	Optical monitoring of glucose demand and vascular delivery in a preclinical murine model. Proceedings of SPIE, 2014, , .	0.8	0
114	Rationalization of thermal injury quantification methods: Application to skin burns. Burns, 2014, 40, 896-902.	1.9	51
115	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. International Journal of Hyperthermia, 2014, 30, 285-294.	2.5	93
116	Comparison of the Hypoxia PET Tracer ¹⁸ F-EF5 to Immunohistochemical Marker EF5 in 3 Different Human Tumor Xenograft Models. Journal of Nuclear Medicine, 2014, 55, 1192-1197.	5.0	18
117	Rational Design of Heat Seeking Drug Loaded Polypeptide Nanoparticles That Thermally Target Solid Tumors. Nano Letters, 2014, 14, 2890-2895.	9.1	57
118	Hypoxia in Melanoma: Using Optical Spectroscopy and EF5 to Assess Tumor Oxygenation Before and During Regional Chemotherapy for Melanoma. Annals of Surgical Oncology, 2014, 21, 1435-1440.	1.5	8
119	The additive damage model: A mathematical model for cellular responses to drug combinations. Journal of Theoretical Biology, 2014, 357, 10-20.	1.7	9
120	Linking the History of Radiation Biology to the Hallmarks of Cancer. Radiation Research, 2014, 181, 561-577.	1.5	37
121	Abstract 3774: Hyperthermia treatment overcomes temozolomide resistance in glioma cells by downregulating MGMT expression and increasing temozolomide uptake. Cancer Research, 2014, 74, 3774-3774.	0.9	3
122	Anti-Hypotensive Treatment and Endothelin Blockade Synergistically Antagonize Exercise Fatigue in Rats under Simulated High Altitude. PLoS ONE, 2014, 9, e99309.	2.5	8
123	Imaging the Hypoxic Tumor Microenvironment in Preclinical Models. Cancer Drug Discovery and Development, 2014, , 157-178.	0.4	0
124	Automated Measurement of Microcirculatory Blood Flow Velocity in Pulmonary Metastases of Rats. Journal of Visualized Experiments, 2014, , e51630.	0.3	2
125	CEM43°C thermal dose thresholds: a potential guide for magnetic resonance radiofrequency exposure levels?. European Radiology, 2013, 23, 2215-2227.	4.5	222
126	Actively targeting solid tumours with thermoresponsive drug delivery systems that respond to mild hyperthermia. International Journal of Hyperthermia, 2013, 29, 501-510.	2.5	44

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127	Quantitative Mapping of Hemodynamics in the Lung, Brain, and Dorsal Window Chamberâ€Grown Tumors Using a Novel, Automated Algorithm. <i>Microcirculation</i> , 2013, 20, 724-735.	1.8	21
128	Radiation induces aerobic glycolysis through reactive oxygen species. <i>Radiotherapy and Oncology</i> , 2013, 106, 390-396.	0.6	48
129	Resveratrol worsens survival in SCID mice with prostate cancer xenografts in a cellâ€line specific manner, through paradoxical effects on oncogenic pathways. <i>Prostate</i> , 2013, 73, 754-762.	2.3	29
130	Introduction: Tumor as an Organ. <i>Seminars in Radiation Oncology</i> , 2013, 23, 235-236.	2.2	0
131	Understanding the Tumor Microenvironment and Radioresistance by Combining Functional Imaging With Global Gene Expression. <i>Seminars in Radiation Oncology</i> , 2013, 23, 296-305.	2.2	16
132	Effects and potential mechanisms of exercise training on cancer progression: A translational perspective. <i>Brain, Behavior, and Immunity</i> , 2013, 30, S75-S87.	4.1	154
133	The effect of carbohydrate restriction on prostate cancer tumor growth in a castrate mouse xenograft model. <i>Prostate</i> , 2013, 73, 449-454.	2.3	39
134	Magnetic fluid hyperthermia for bladder cancer: A preclinical dosimetry study. <i>International Journal of Hyperthermia</i> , 2013, 29, 835-844.	2.5	45
135	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> , 2013, 65, S120-S121.	2.9	7
136	Tumor Cells Upregulate Normoxic HIF-1Î± in Response to Doxorubicin. <i>Cancer Research</i> , 2013, 73, 6230-6242.	0.9	95
137	Novel Approaches to Treatment of Hepatocellular Carcinoma and Hepatic Metastases Using Thermal Ablation and Thermosensitive Liposomes. <i>Surgical Oncology Clinics of North America</i> , 2013, 22, 545-561.	1.5	30
138	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> , 2013, , 33-79.	0.1	5
139	A Network of Substrates of the E3 Ubiquitin Ligases MDM2 and HUWE1 Control Apoptosis Independently of p53. <i>Science Signaling</i> , 2013, 6, ra32.	3.6	56
140	The impact of temperature and urinary constituents on urine viscosity and its relevance to bladder hyperthermia treatment. <i>International Journal of Hyperthermia</i> , 2013, 29, 206-210.	2.5	64
141	A role for the copper transporter Ctr1 in the synergistic interaction between hyperthermia and cisplatin treatment. <i>International Journal of Hyperthermia</i> , 2013, 29, 528-538.	2.5	23
142	PET With ⁶² Cu-ATSM and ⁶² Cu-PTSM Is a Useful Imaging Tool for Hypoxia and Perfusion in Pulmonary Lesions. <i>American Journal of Roentgenology</i> , 2013, 201, W698-W706.	2.2	20
143	Preclinical dosimetry of magnetic fluid hyperthermia for bladder cancer. <i>Proceedings of SPIE</i> , 2013, 8584, 1656985.	0.8	3
144	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> , 2013, 31, 359-364.	1.3	14

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145	Angiogenesis: An Adaptive Dynamic Biological Patterning Problem. PLoS Computational Biology, 2013, 9, e1002983.	3.2	124
146	Automated measurement of blood flow velocity and direction and hemoglobin oxygen saturation in the rat lung using intravital microscopy. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 304, L86-L91.	2.9	19
147	Temperature Matters! And Why It Should Matter to Tumor Immunologists. Cancer Immunology Research, 2013, 1, 210-216.	3.4	180
148	¹⁸ F-EF5 PET Imaging as an Early Response Biomarker for the Hypoxia-Activated Prodrug SN30000 Combined with Radiation Treatment in a Nonâ€“Small Cell Lung Cancer Xenograft Model. Journal of Nuclear Medicine, 2013, 54, 1339-1346.	5.0	31
149	Modulation of Circulating Angiogenic Factors and Tumor Biology by Aerobic Training in Breast Cancer Patients Receiving Neoadjuvant Chemotherapy. Cancer Prevention Research, 2013, 6, 925-937.	1.5	109
150	Flaxseed-Derived Enterolactone Is Inversely Associated with Tumor Cell Proliferation in Men with Localized Prostate Cancer. Journal of Medicinal Food, 2013, 16, 357-360.	1.5	55
151	A method to convert MRI images of temperature change into images of absolute temperature in solid tumours. International Journal of Hyperthermia, 2013, 29, 569-581.	2.5	11
152	Monitoring of cycling hypoxia and angiogenesis in FaDu head and neck tumors using a side-firing sensor. , 2013, , .		0
153	Sickle Erythrocytes Target Cytotoxics to Hypoxic Tumor Microvessels and Potentiate a Tumoricidal Response. PLoS ONE, 2013, 8, e52543.	2.5	18
154	Catabolism of Exogenous Lactate Reveals It as a Legitimate Metabolic Substrate in Breast Cancer. PLoS ONE, 2013, 8, e75154.	2.5	149
155	Delivery Rate Affects Uptake of a Fluorescent Glucose Analog in Murine Metastatic Breast Cancer. PLoS ONE, 2013, 8, e76524.	2.5	27
156	Prognostic significance of differential expression of angiogenic genes in women with invasive high-grade serous ovarian carcinoma.. Journal of Clinical Oncology, 2013, 31, 5509-5509.	1.6	2
157	Phase I clinical trial of external hyperthermia and intravesical mitomycin C to treat BCG-refractory bladder cancer.. Journal of Clinical Oncology, 2013, 31, e15560-e15560.	1.6	0
158	Abstract B151: Monitoring tumor microenvironment (Hb saturation and oxygenation) in response to plasmonics-assisted photothermal cancer therapy.. , 2013, , .		0
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160	A heterogeneous human tissue mimicking phantom for RF heating and MRI thermal monitoring verification. Physics in Medicine and Biology, 2012, 57, 2021-2037.	3.0	61
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