

Robert Griffin

List of Publications by Year in descending order

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181
papers

8,833
citations

47006

47
h-index

49909

87
g-index

185
all docs

185
docs citations

185
times ranked

10878
citing authors

#	ARTICLE	IF	CITATIONS
1	Proposed Model of the Relationship of Risk Information Seeking and Processing to the Development of Preventive Behaviors. <i>Environmental Research</i> , 1999, 80, S230-S245.	7.5	823
2	Radiation-Induced Vascular Damage in Tumors: Implications of Vascular Damage in Ablative Hypofractionated Radiotherapy (SBRT and SRS). <i>Radiation Research</i> , 2012, 177, 311-327.	1.5	438
3	Consensus guidelines for the use and interpretation of angiogenesis assays. <i>Angiogenesis</i> , 2018, 21, 425-532.	7.2	429
4	Bone metastasis: mechanisms and therapeutic opportunities. <i>Nature Reviews Endocrinology</i> , 2011, 7, 208-218.	9.6	333
5	After the Flood. <i>Science Communication</i> , 2008, 29, 285-315.	3.3	299
6	Scheduling of Radiation with Angiogenesis Inhibitors Anginex and Avastin Improves Therapeutic Outcome via Vessel Normalization. <i>Clinical Cancer Research</i> , 2007, 13, 3395-3402.	7.0	270
7	Information Sufficiency and Risk Communication. <i>Media Psychology</i> , 2004, 6, 23-61.	3.6	257
8	Enhancement of tumor thermal therapy using gold nanoparticle-assisted tumor necrosis factor- α delivery. <i>Molecular Cancer Therapeutics</i> , 2006, 5, 1014-1020.	4.1	249
9	Implications of increased tumor blood flow and oxygenation caused by mild temperature hyperthermia in tumor treatment. <i>International Journal of Hyperthermia</i> , 2005, 21, 761-767.	2.5	248
10	Linking the Heuristic-Systematic Model and Depth of Processing. <i>Communication Research</i> , 2002, 29, 705-732.	5.9	192
11	COX-2 inhibitor celecoxib prevents chronic morphine-induced promotion of angiogenesis, tumour growth, metastasis and mortality, without compromising analgesia. <i>British Journal of Cancer</i> , 2007, 97, 1523-1531.	6.4	191
12	Studying Heuristic-Systematic Processing of Risk Communication. <i>Risk Analysis</i> , 2003, 23, 355-368.	2.7	164
13	Improvement of Tumor Oxygenation by Mild Hyperthermia. <i>Radiation Research</i> , 2001, 155, 515-528.	1.5	156
14	A Catalogue of Human Saliva Proteins Identified by Free Flow Electrophoresis-based Peptide Separation and Tandem Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 1826-1830.	3.8	142
15	Indirect Tumor Cell Death After High-Dose Hypofractionated Irradiation: Implications for Stereotactic Body Radiation Therapy and Stereotactic Radiation Surgery. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 93, 166-172.	0.8	124
16	Photothermal nanodrugs: potential of TNF-gold nanospheres for cancer theranostics. <i>Scientific Reports</i> , 2013, 3, 1293.	3.3	121
17	Simultaneous inhibition of the receptor kinase activity of vascular endothelial, fibroblast, and platelet-derived growth factors suppresses tumor growth and enhances tumor radiation response. <i>Cancer Research</i> , 2002, 62, 1702-6.	0.9	113
18	Radiobiology of Stereotactic Body Radiation Therapy/Stereotactic Radiosurgery and the Linear-Quadratic Model. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 87, 18-19.	0.8	112

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19	Arsenic trioxide causes selective necrosis in solid murine tumors by vascular shutdown. <i>Cancer Research</i> , 1999, 59, 6033-7.	0.9	105
20	Glutamine drives glutathione synthesis and contributes to radiation sensitivity of A549 and H460 lung cancer cell lines. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 836-843.	2.4	101
21	Mechanisms of bone metastases of breast cancer. <i>Endocrine-Related Cancer</i> , 2009, 16, 703-713.	3.1	98
22	Quantitative Proteomics Reveals Myosin and Actin as Promising Saliva Biomarkers for Distinguishing Pre-Malignant and Malignant Oral Lesions. <i>PLoS ONE</i> , 2010, 5, e11148.	2.5	93
23	High dose bystander effects in spatially fractionated radiation therapy. <i>Cancer Letters</i> , 2015, 356, 52-57.	7.2	89
24	Proteomics Analysis of Cells in Whole Saliva from Oral Cancer Patients via Value-added Three-dimensional Peptide Fractionation and Tandem Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 486-498.	3.8	86
25	Galectins as Molecular Targets for Therapeutic Intervention. <i>International Journal of Molecular Sciences</i> , 2018, 19, 905.	4.1	83
26	Anginex synergizes with radiation therapy to inhibit tumor growth by radiosensitizing endothelial cells. <i>International Journal of Cancer</i> , 2005, 115, 312-319.	5.1	81
27	Tumor-Endothelial Cell Three-dimensional Spheroids: New Aspects to Enhance Radiation and Drug Therapeutics. <i>Translational Oncology</i> , 2011, 4, 365-IN3.	3.7	78
28	Glutaminase inhibitor CB-839 increases radiation sensitivity of lung tumor cells and human lung tumor xenografts in mice. <i>International Journal of Radiation Biology</i> , 2019, 95, 436-442.	1.8	77
29	The Future of Radiobiology. <i>Journal of the National Cancer Institute</i> , 2018, 110, 329-340.	6.3	76
30	Understanding High-Dose, Ultra-High Dose Rate, and Spatially Fractionated Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 107, 766-778.	0.8	70
31	Upregulation of NAD(P)H:Quinone Oxidoreductase By Radiation Potentiates the Effect of Bioreductive $\hat{1}^2$ -Lapachone on Cancer Cells. <i>Neoplasia</i> , 2007, 9, 634-642.	5.3	67
32	Nanoparticle Delivered Vascular Disrupting Agents (VDAs): Use of TNF-Alpha Conjugated Gold Nanoparticles for Multimodal Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2013, 10, 1683-1694.	4.6	67
33	Mild temperature hyperthermia and radiation therapy: Role of tumour vascular thermotolerance and relevant physiological factors. <i>International Journal of Hyperthermia</i> , 2010, 26, 256-263.	2.5	65
34	Hypoxia-derived exosomes induce putative altered pathways in biosynthesis and ion regulatory channels in glioblastoma cells. <i>Biochemistry and Biophysics Reports</i> , 2018, 14, 104-113.	1.3	65
35	Spatially Fractionated Radiation Induces Cytotoxicity and Changes in Gene Expression in Bystander and Radiation Adjacent Murine Carcinoma Cells. <i>Radiation Research</i> , 2012, 177, 751-765.	1.5	64
36	Nanotheranostics of Circulating Tumor Cells, Infections and Other Pathological Features <i>in Vivo</i> . <i>Molecular Pharmaceutics</i> , 2013, 10, 813-830.	4.6	59

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37	Nanoparticle preconditioning for enhanced thermal therapies in cancer. <i>Nanomedicine</i> , 2011, 6, 545-563.	3.3	56
38	Influence of Tumor pH on Therapeutic Response. , 2006, , 21-42.		56
39	Susceptibility of cancer cells to \hat{I}^2 -lapachone is enhanced by ionizing radiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 61, 212-219.	0.8	55
40	Nanotherapeutics for enhancing thermal therapy of cancer. <i>International Journal of Hyperthermia</i> , 2007, 23, 501-511.	2.5	54
41	Microbeam Radiation Therapy Alters Vascular Architecture and Tumor Oxygenation and is Enhanced by a Galectin-1 Targeted Anti-Angiogenic Peptide. <i>Radiation Research</i> , 2012, 177, 804-812.	1.5	54
42	Use of Arsenic Trioxide as an Antivascular and Thermosensitizing Agent in Solid Tumors. <i>Neoplasia</i> , 2000, 2, 555-560.	5.3	53
43	Indocyanine green enhanced near-infrared laser treatment of murine mammary carcinoma. <i>International Journal of Cancer</i> , 2012, 130, 1208-1215.	5.1	53
44	Label-Free Raman Spectroscopy Reveals Signatures of Radiation Resistance in the Tumor Microenvironment. <i>Cancer Research</i> , 2019, 79, 2054-2064.	0.9	53
45	Combination of Gold Nanoparticle-Conjugated Tumor Necrosis Factor- \hat{I} and Radiation Therapy Results in a Synergistic Antitumor Response in Murine Carcinoma Models. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 93, 588-596.	0.8	52
46	Role of miR-2392 in driving SARS-CoV-2 infection. <i>Cell Reports</i> , 2021, 37, 109839.	6.4	52
47	Improvement of tumor oxygenation status by mild temperature hyperthermia alone or in combination with carbogen. <i>Seminars in Oncology</i> , 1997, 24, 626-32.	2.2	51
48	Prevention and Mitigation of Acute Death of Mice after Abdominal Irradiation by the Antioxidant N-Acetyl-cysteine (NAC). <i>Radiation Research</i> , 2010, 173, 579-589.	1.5	50
49	Radiosensitization of hypoxic tumor cells in vitro by nitric oxide. <i>International Journal of Radiation Oncology Biology Physics</i> , 1996, 36, 377-383.	0.8	49
50	Increase in thermosensitivity of tumor cells by lowering intracellular pH. <i>Cancer Research</i> , 1993, 53, 1599-601.	0.9	49
51	Ovarian tumor growth regression using a combination of vascular targeting agents anginex or topomimetic 0118 and the chemotherapeutic irifolven. <i>Cancer Letters</i> , 2008, 265, 270-280.	7.2	48
52	Radiation-induced apoptosis in different pH environments in vitro. <i>International Journal of Radiation Oncology Biology Physics</i> , 1997, 38, 1079-1087.	0.8	43
53	The Technical and Clinical Implementation of LATTICE Radiation Therapy (LRT). <i>Radiation Research</i> , 2020, 194, 737-746.	1.5	42
54	Heat-Induced Up-Regulation of NAD(P)H:Quinone Oxidoreductase Potentiates Anticancer Effects of \hat{I}^2 -Lapachone. <i>Clinical Cancer Research</i> , 2005, 11, 8866-8871.	7.0	38

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55	Systemic inhibition of tumour angiogenesis by endothelial cell-based gene therapy. <i>British Journal of Cancer</i> , 2007, 97, 513-522.	6.4	38
56	Influence of Environmental pH on G2-Phase Arrest Caused by Ionizing Radiation. <i>Radiation Research</i> , 2003, 159, 86-93.	1.5	37
57	Galectin-1 Inhibitor OTX008 Induces Tumor Vessel Normalization and Tumor Growth Inhibition in Human Head and Neck Squamous Cell Carcinoma Models. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2671.	4.1	37
58	Arsenic trioxide induces selective tumour vascular damage via oxidative stress and increases thermosensitivity of tumours. <i>International Journal of Hyperthermia</i> , 2003, 19, 575-589.	2.5	35
59	Is Indirect Cell Death Involved in Response of Tumors to Stereotactic Radiosurgery and Stereotactic Body Radiation Therapy?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 89, 924-925.	0.8	35
60	Mild temperature hyperthermia combined with carbogen breathing increases tumor partial pressure of oxygen (pO ₂) and radiosensitivity. <i>Cancer Research</i> , 1996, 56, 5590-3.	0.9	35
61	Radiosensitization of two murine tumours with mild temperature hyperthermia and carbogen breathing. <i>International Journal of Radiation Biology</i> , 1999, 75, 1299-1306.	1.8	34
62	Triple-negative breast cancer targeting and killing by EpCAM-directed, plasmonically active nanodrug systems. <i>Npj Precision Oncology</i> , 2017, 1, 27.	5.4	34
63	3D cultures for modeling nanomaterial-based photothermal therapy. <i>Nanoscale Horizons</i> , 2020, 5, 400-430.	8.0	34
64	Antiangiogenesis therapy using a novel angiogenesis inhibitor, anginex, following radiation causes tumor growth delay. <i>International Journal of Clinical Oncology</i> , 2007, 12, 42-47.	2.2	33
65	Photon GRID Radiation Therapy: A Physics and Dosimetry White Paper from the Radiosurgery Society (RSS) GRID/LATTICE, Microbeam and FLASH Radiotherapy Working Group. <i>Radiation Research</i> , 2020, 194, 665-677.	1.5	32
66	Detection of apoptotic cells in whole saliva of patients with oral premalignant and malignant lesions: A preliminary study. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2004, 97, 465-470.	1.4	31
67	Testing Links Among Uncertainty, Affect, and Attitude Toward a Health Behavior. <i>Science Communication</i> , 2018, 40, 33-62.	3.3	31
68	Tumor Oxygenation after Mild-Temperature Hyperthermia in Combination with Carbogen Breathing: Dependence on Heat Dose and Tumor Type. <i>Radiation Research</i> , 1998, 149, 294.	1.5	30
69	Preferential action of arsenic trioxide in solid-tumor microenvironment enhances radiation therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 61, 1516-1522.	0.8	29
70	Evidence for Early Stage Anti-Tumor Immunity Elicited by Spatially Fractionated Radiotherapy-Immunotherapy Combinations. <i>Radiation Research</i> , 2020, 194, 688-697.	1.5	29
71	Apoptosis and Cell Cycle Progression in an Acidic Environment after Irradiation. <i>Radiation Research</i> , 2000, 153, 295-304.	1.5	28
72	Exosome Traceability and Cell Source Dependence on Composition and Cell-Cell Cross Talk. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5346.	4.1	28

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73	Dead or alive? Autofluorescence distinguishes heat-fixed from viable cells. <i>International Journal of Hyperthermia</i> , 2009, 25, 355-363.	2.5	27
74	Role of sphingomyelin-MAPKs pathway in heat-induced apoptosis. <i>Experimental and Molecular Medicine</i> , 2003, 35, 181-188.	7.7	26
75	Use of a Fluorescently Labeled Poly-Caspase Inhibitor for <i>in Vivo</i> Detection of Apoptosis Related to Vascular-Targeting Agent Arsenic Trioxide for Cancer Therapy. <i>Technology in Cancer Research and Treatment</i> , 2007, 6, 651-654.	1.9	26
76	Radiobiological impact of dose calculation algorithms on biologically optimized IMRT lung stereotactic body radiation therapy plans. <i>Radiation Oncology</i> , 2016, 11, 10.	2.7	26
77	Application of Spatially Fractionated Radiation (GRID) to Helical Tomotherapy using a Novel TOMOGRID Template. <i>Technology in Cancer Research and Treatment</i> , 2016, 15, 91-100.	1.9	25
78	Modifying Dendritic Cell Activation with Plasmonic Nano Vectors. <i>Scientific Reports</i> , 2017, 7, 5513.	3.3	25
79	Reoxygenation and Repopulation of Tumor Cells after Ablative Hypofractionated Radiotherapy (SBRT) Tj ETQq1 1 0,784314 rgBT /Overle	1.5	25
80	Tumour thermotolerance, a physiological phenomenon involving vessel normalisation. <i>International Journal of Hyperthermia</i> , 2011, 27, 42-52.	2.5	24
81	Modulation of dietary methionine intake elicits potent, yet distinct, anticancer effects on primary versus metastatic tumors. <i>Carcinogenesis</i> , 2018, 39, 1117-1126.	2.8	24
82	History and current perspectives on the biological effects of high-dose spatial fractionation and high dose-rate approaches: GRID, Microbeam & FLASH radiotherapy. <i>British Journal of Radiology</i> , 2020, 93, 20200217.	2.2	24
83	Thermosensitization by increasing intracellular acidity with amiloride and its analogs. <i>International Journal of Radiation Oncology Biology Physics</i> , 1994, 30, 1161-1169.	0.8	23
84	Advanced Small Animal Conformal Radiation Therapy Device. <i>Technology in Cancer Research and Treatment</i> , 2017, 16, 45-56.	1.9	23
85	Sample storage conditions induce post-collection biases in microbiome profiles. <i>BMC Microbiology</i> , 2018, 18, 227.	3.3	23
86	Hyperthermic Enhancement of Tumor Radiosensitization Strategies. <i>Immunological Investigations</i> , 2005, 34, 343-359.	2.0	22
87	Opioids Induce Renal Abnormalities in Tumor-Bearing Mice. <i>Nephron Experimental Nephrology</i> , 2007, 105, e80-e89.	2.2	22
88	Tumour pO ₂ can be increased markedly by mild hyperthermia. <i>The British Journal of Cancer Supplement</i> , 1996, 27, S217-21.	0.1	22
89	Thermosensitization by lowering intracellular pH with 5-(N-ethyl-N-isopropyl) amiloride. <i>Radiotherapy and Oncology</i> , 1993, 27, 252-258.	0.6	21
90	Effect's of hma, an analog of amiloride, on the thermosensitivity of tumors in vivo. <i>International Journal of Radiation Oncology Biology Physics</i> , 1994, 30, 133-139.	0.8	21

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91	Gastrointestinal Tract Dysbiosis Enhances Distal Tumor Progression through Suppression of Leukocyte Trafficking. <i>Cancer Research</i> , 2019, 79, 5999-6009.	0.9	21
92	In VivoFlow Cytometry of Circulating Tumor-Associated Exosomes. <i>Analytical Cellular Pathology</i> , 2016, 2016, 1-12.	1.4	20
93	Germline Genetic Variants in TEK, ANGPT1, ANGPT2, MMP9, FGF2 and VEGFA Are Associated with Pathologic Complete Response to Bevacizumab in Breast Cancer Patients. <i>PLoS ONE</i> , 2017, 12, e0168550.	2.5	20
94	MSC exosome-mediated cardioprotection in ischemic mouse heart comparative proteomics of infarct and peri-infarct areas. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 1691-1704.	3.1	20
95	Hyperthermia-enhanced indocyanine green delivery for laser-induced thermal ablation of carcinomas. <i>International Journal of Hyperthermia</i> , 2013, 29, 474-479.	2.5	19
96	Optical imaging of radiation-induced metabolic changes in radiation-sensitive and resistant cancer cells. <i>Journal of Biomedical Optics</i> , 2017, 22, 060502.	2.6	19
97	Radiation-induced galectin-1 by endothelial cells: a promising molecular target for preferential drug delivery to the tumor vasculature. <i>Journal of Molecular Medicine</i> , 2013, 91, 497-506.	3.9	18
98	Real-time monitoring of circulating tumor cell (CTC) release after nanodrug or tumor radiotherapy using in vivo flow cytometry. <i>Biochemical and Biophysical Research Communications</i> , 2017, 492, 507-512.	2.1	18
99	A Radiosensitizing Inhibitor of HIF-1 alters the Optical Redox State of Human Lung Cancer Cells In Vitro. <i>Scientific Reports</i> , 2018, 8, 8815.	3.3	18
100	Molecular events in MSC exosome mediated cytoprotection in cardiomyocytes. <i>Scientific Reports</i> , 2019, 9, 19276.	3.3	18
101	Effect of pH on radiation-induced p53 expression. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004, 60, 1264-1271.	0.8	17
102	Radiosensitization of tumor cells by modulation of ATM kinase. <i>International Journal of Radiation Biology</i> , 2006, 82, 277-283.	1.8	17
103	Spatially fractionated radiotherapy (GRID) using helical tomotherapy. <i>Journal of Applied Clinical Medical Physics</i> , 2016, 17, 396-407.	1.9	17
104	Raman spectroscopy using plasmonic and carbon-based nanoparticles for cancer detection, diagnosis, and treatment guidance. Part 1: Diagnosis. <i>Drug Metabolism Reviews</i> , 2017, 49, 212-252.	3.6	17
105	Study of arsenic trioxide-induced vascular shutdown and enhancement with radiation in solid tumor. <i>Radiation Medicine</i> , 2004, 22, 205-11.	0.8	17
106	HIF-1 α Inhibition Improves Anti-Tumor Immunity and Promotes the Efficacy of Stereotactic Ablative Radiotherapy (SABR). <i>Cancers</i> , 2022, 14, 3273.	3.7	17
107	Raman spectroscopy using plasmonic and carbon-based nanoparticles for cancer detection, diagnosis, and treatment guidance. Part 2: Treatment. <i>Drug Metabolism Reviews</i> , 2017, 49, 253-283.	3.6	16
108	Galectin-1-based tumour-targeting for gold nanostructure-mediated photothermal therapy. <i>International Journal of Hyperthermia</i> , 2018, 34, 19-29.	2.5	16

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109	Increase in tumor blood flow by pentoxifylline. International Journal of Radiation Oncology Biology Physics, 1994, 29, 433-437.	0.8	15
110	Targeting Artificial Tumor Stromal Targets for Molecular Imaging of Tumor Vascular Hypoxia. PLoS ONE, 2015, 10, e0135607.	2.5	15
111	Quantitative diffuse reflectance spectroscopy of short-term changes in tumor oxygenation after radiation in a matched model of radiation resistance. Biomedical Optics Express, 2018, 9, 3794.	2.9	15
112	Enhanced photothermal heating and combination therapy of NIR dye <i>via</i> conversion to self-assembled ionic nanomaterials. Journal of Materials Chemistry B, 2022, 10, 806-816.	5.8	15
113	Cytotoxicity of perillyl alcohol against cancer cells is potentiated by hyperthermia. International Journal of Radiation Oncology Biology Physics, 2003, 57, 813-819.	0.8	14
114	Modelling responses to spatially fractionated radiation fields using preclinical image-guided radiotherapy. British Journal of Radiology, 2017, 90, 20160485.	2.2	14
115	Glioma-derived exosomes drive the differentiation of neural stem cells to astrocytes. PLoS ONE, 2020, 15, e0234614.	2.5	14
116	Pegylated IFN- β sensitizes melanoma cells to chemotherapy and causes premature senescence in endothelial cells by IRF-1-mediated signaling. Cell Death and Disease, 2010, 1, e67-e67.	6.3	13
117	Repression of Multiple Myeloma Growth and Preservation of Bone with Combined Radiotherapy and Anti-angiogenic Agent. Radiation Research, 2010, 173, 809-817.	1.5	13
118	Information Seeking Among Women Aged 18 to 25 About the Risk of Sexual Aggression. Journalism and Mass Communication Quarterly, 2019, 96, 239-263.	2.7	13
119	Effect of a Combination of Mild-Temperature Hyperthermia and Nicotinamide on the Radiation Response of Experimental Tumors. Radiation Research, 2000, 153, 327-331.	1.5	12
120	Simultaneous exposure to chronic irradiation and simulated microgravity differentially alters immune cell phenotype in mouse thymus and spleen. Life Sciences in Space Research, 2021, 28, 66-73.	2.3	12
121	Cystic fibrosis improves COVID-19 survival and provides clues for treatment of SARS-CoV-2. Purinergic Signalling, 2021, 17, 399-410.	2.2	12
122	The optimal combination of hyperthermia and carbogen breathing to increase tumor oxygenation and radiation response. International Journal of Radiation Oncology Biology Physics, 1998, 42, 865-869.	0.8	11
123	High-circulating Tie2 Is Associated With Pathologic Complete Response to Chemotherapy and Antiangiogenic Therapy in Breast Cancer. American Journal of Clinical Oncology: Cancer Clinical Trials, 2016, 39, 248-254.	1.3	11
124	Photothermal Response Induced by Nanocage-Coated Artificial Extracellular Matrix Promotes Neural Stem Cell Differentiation. Nanomaterials, 2021, 11, 1216.	4.1	11
125	Theoretical and Experimental Basis of Hyperthermia. , 2001, , 394-407.		11
126	Ototoxicity after combined platinum and fractionated radiation in a novel guinea pig model. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2009, 30, 1-7.	1.3	10

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127	Novel insulin-like growth factor-methotrexate covalent conjugate inhibits tumor growth in vivo at lower dosage than methotrexate alone. <i>Translational Research</i> , 2009, 153, 275-282.	5.0	10
128	Tumor-endothelial cell interaction in an experimental model of human hepatocellular carcinoma. <i>Experimental Cell Research</i> , 2018, 372, 16-24.	2.6	10
129	Enhanced Photothermal Treatment Efficacy and Normal Tissue Protection via Vascular Targeted Gold Nanocages. <i>Nanotheranostics</i> , 2019, 3, 145-155.	5.2	10
130	A Novel Drug to Reduce Tumor Perfusion: Antitumor Effect Alone and with Hyperthermia. <i>Radiation Research</i> , 2000, 154, 202-207.	1.5	9
131	Conductive interstitial thermal therapy (CITT) inhibits recurrence and metastasis in rabbit VX2 carcinoma model. <i>International Journal of Hyperthermia</i> , 2009, 25, 446-454.	2.5	9
132	Radiobiology of Stereotactic Radiosurgery and Stereotactic Body Radiation Therapy. <i>Medical Radiology</i> , 2011, , 51-61.	0.1	9
133	Vascular Disrupting Agent Arsenic Trioxide Enhances Thermoradiotherapy of Solid Tumors. <i>Journal of Oncology</i> , 2012, 2012, 1-7.	1.3	9
134	Blood Outgrowth Endothelial Cells Increase Tumor Growth Rates and Modify Tumor Physiology: Relevance for Therapeutic Targeting. <i>Cancers</i> , 2013, 5, 205-217.	3.7	9
135	Rapid quantification of mitochondrial fractal dimension in individual cells. <i>Biomedical Optics Express</i> , 2018, 9, 5269.	2.9	9
136	Radiation Research Special Issue: New Beam Delivery Modalities are Shaping the Future of Radiotherapy. <i>Radiation Research</i> , 2020, 194, 567-570.	1.5	9
137	<i>Nigella sativa</i> extract kills pre-malignant and malignant oral squamous cell carcinoma cells. <i>Journal of Herbal Medicine</i> , 2021, 29, 100473.	2.0	8
138	DNA Methylation in Radiation-Induced Carcinogenesis: Experimental Evidence and Clinical Perspectives. <i>Critical Reviews in Oncogenesis</i> , 2018, 23, 1-11.	0.4	8
139	Tumor oxygenation after mild-temperature hyperthermia in combination with carbogen breathing: dependence on heat dose and tumor type. <i>Radiation Research</i> , 1998, 149, 294-9.	1.5	8
140	Degenerative Tissue Responses to Space-like Radiation Doses in a Rodent Model of Simulated Microgravity. <i>Annals of Clinical and Laboratory Science</i> , 2016, 46, 190-7.	0.2	8
141	Commentary on classic paper in hyperthermic oncology "Tumour oxygenation is increased by hyperthermia at mild temperatures" by CW Song et al., 1996. <i>International Journal of Hyperthermia</i> , 2009, 25, 96-98.	2.5	7
142	Plasmonic Nanofactors as Switchable Devices to Promote or Inhibit Neuronal Activity and Function. <i>Nanomaterials</i> , 2019, 9, 1029.	4.1	7
143	Spectroscopic investigation of radiation-induced reoxygenation in radiation-resistant tumors. <i>Neoplasia</i> , 2021, 23, 49-57.	5.3	7
144	Spatially fractionated (GRID) therapy for large and bulky tumors. <i>The Journal of the Arkansas Medical Society</i> , 2009, 105, 263-5.	0.1	7

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145	Radioprotection of the rat intestinal mucosa by tirilazad. International Journal of Radiation Biology, 1998, 73, 219-223.	1.8	6
146	Sensitization of thermotolerant SCK cells to hyperthermia and freezing with reduction of intracellular pH: Implications for cryosurgery. Journal of Surgical Oncology, 2003, 82, 160-169.	1.7	6
147	An alternating focused ultrasound system for thermal therapy studies in small animals. Medical Physics, 2011, 38, 1877-1887.	3.0	6
148	SonoKnife: Feasibility of a linear focused ultrasound device for thermal ablation therapy. Medical Physics, 2011, 38, 4372-4385.	3.0	6
149	Total lymphoid irradiation, without intrathymic injection of donor cells, induces indefinite acceptance of heart but not islet or skin allografts in rats. Transplant International, 1996, 9, S372-S378.	1.6	5
150	Combined temozolomide and ionizing radiation induces galectin-1 and galectin-3 expression in a model of human glioma. Tumor Microenvironment and Therapy, 2015, 2, .	1.2	5
151	Three discipline collaborative radiation therapy (3DCRT) special debate: The United States needs at least one carbon ion facility. Journal of Applied Clinical Medical Physics, 2019, 20, 6-13.	1.9	5
152	Assessing pH and Oxygenation in Cryotherapy-induced Cytotoxicity and Tissue Response to Freezing. Technology in Cancer Research and Treatment, 2004, 3, 245-251.	1.9	4
153	Conductive thermal ablation of 4T1 murine breast carcinoma reduces severe hypoxia in surviving tumour. International Journal of Hyperthermia, 2012, 28, 156-162.	2.5	4
154	The irradiation of bone: Old idea, new insight. Journal of Bone and Mineral Research, 2012, 27, 747-748.	2.8	4
155	Study of Image Qualities From 6D Robot-Based CBCT Imaging System of Small Animal Irradiator. Technology in Cancer Research and Treatment, 2017, 16, 811-818.	1.9	4
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