

Douglas R Spitz

List of Publications by Year in descending order

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Version: 2024-02-01

259
papers

22,121
citations

7551

77
h-index

10708

138
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269
all docs

269
docs citations

269
times ranked

26112
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidation of ferumoxytol by ionizing radiation releases iron. An electron paramagnetic resonance study. <i>Journal of Radiation Research</i> , 2022, 63, 378-384.	0.8	6
2	Pharmacological ascorbate improves the response to platinum-based chemotherapy in advanced stage non-small cell lung cancer. <i>Redox Biology</i> , 2022, 53, 102318.	3.9	8
3	Oxidative stress and impaired insulin secretion in cystic fibrosis pig pancreas. <i>Advances in Redox Research</i> , 2022, 5, 100040.	0.9	4
4	Delivery of therapeutic carbon monoxide by gas-entrapping materials. <i>Science Translational Medicine</i> , 2022, 14, .	5.8	21
5	Magnetic resonance imaging (MRI) of pharmacological ascorbate-induced iron redox state as a biomarker in subjects undergoing radio-chemotherapy. <i>Redox Biology</i> , 2021, 38, 101804.	3.9	14
6	Reply to Petersen et al.: An alternative hypothesis for why exposure to static magnetic and electric fields treats type 2 diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E1004-E1005.	1.8	0
7	Counterpoint: An alternative hypothesis for why exposure to static magnetic and electric fields treats type 2 diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E1001-E1002.	1.8	4
8	Avasopasem manganese synergizes with hypofractionated radiation to ablate tumors through the generation of hydrogen peroxide. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	17
9	Ketogenic Diet with Concurrent Chemoradiation in Head and Neck Squamous Cell Carcinoma: Preclinical and Phase 1 Trial Results. <i>Radiation Research</i> , 2021, 196, 213-224.	0.7	14
10	Mitochondrial Superoxide Dismutase in Cisplatin-Induced Kidney Injury. <i>Antioxidants</i> , 2021, 10, 1329.	2.2	25
11	Iron-Sulfur Cluster Biogenesis as a Critical Target in Cancer. <i>Antioxidants</i> , 2021, 10, 1458.	2.2	16
12	Utilization of Pharmacological Ascorbate to Enhance Hydrogen Peroxide-Mediated Radiosensitivity in Cancer Therapy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10880.	1.8	9
13	The mechanism of cell death induced by silver nanoparticles is distinct from silver cations. <i>Particle and Fibre Toxicology</i> , 2021, 18, 37.	2.8	45
14	The Effects of Benoxacor on the Liver and Gut Microbiome of C57BL/6 Mice. <i>Toxicological Sciences</i> , 2021, , .	1.4	3
15	Exposure to Static Magnetic and Electric Fields Treats Type 2 Diabetes. <i>Cell Metabolism</i> , 2020, 32, 561-574.e7.	7.2	55
16	Response to Ling et al. regarding "An integrated physico-chemical approach for explaining the differential impact of FLASH versus conventional dose rate irradiation on cancer and normal tissue responses". <i>Radiotherapy and Oncology</i> , 2020, 147, 241-242.	0.3	2
17	Glutaminase Inhibitors Induce Thiol-Mediated Oxidative Stress and Radiosensitization in Treatment-Resistant Cervical Cancers. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 2465-2475.	1.9	25
18	Radioresistance in Glioblastoma and the Development of Radiosensitizers. <i>Cancers</i> , 2020, 12, 2511.	1.7	77

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19	Lymph protects metastasizing melanoma cells from ferroptosis. <i>Nature</i> , 2020, 585, 113-118.	13.7	484
20	Neoadjuvant Radiotherapy-Related Wound Morbidity in Soft Tissue Sarcoma: Perspectives for Radioprotective Agents. <i>Cancers</i> , 2020, 12, 2258.	1.7	10
21	Disulfiram causes selective hypoxic cancer cell toxicity and radio-chemo-sensitization via redox cycling of copper. <i>Free Radical Biology and Medicine</i> , 2020, 150, 1-11.	1.3	22
22	Dual Oxidase-Induced Sustained Generation of Hydrogen Peroxide Contributes to Pharmacologic Ascorbate-Induced Cytotoxicity. <i>Cancer Research</i> , 2020, 80, 1401-1413.	0.4	26
23	Combination Therapy with Radiation and PARP Inhibition Enhances Responsiveness to Anti-PD-1 Therapy in Colorectal Tumor Models. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 81-92.	0.4	28
24	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.	0.4	70
25	Assessment of Gadobutrol Safety in Combination with Ionizing Radiation Using a Preclinical MRI-Guided Radiotherapy Model. <i>Radiation Research</i> , 2020, 195, 230-234.	0.7	4
26	Triphenylphosphonium derivatives disrupt metabolism and inhibit melanoma growth in vivo when delivered via a thermosensitive hydrogel. <i>PLoS ONE</i> , 2020, 15, e0244540.	1.1	6
27	Linking Cancer Metabolic Dysfunction and Genetic Instability through the Lens of Iron Metabolism. <i>Cancers</i> , 2019, 11, 1077.	1.7	43
28	SOD1 deficiency: a novel syndrome distinct from amyotrophic lateral sclerosis. <i>Brain</i> , 2019, 142, 2230-2237.	3.7	59
29	First-in-Human Phase I Clinical Trial of Pharmacologic Ascorbate Combined with Radiation and Temozolomide for Newly Diagnosed Glioblastoma. <i>Clinical Cancer Research</i> , 2019, 25, 6590-6597.	3.2	52
30	Response to letter regarding "An integrated physico-chemical approach for explaining the differential impact of FLASH versus conventional dose rate irradiation on cancer and normal tissue responses" Radiotherapy and Oncology, 2019, 139, 64-65.	0.3	12
31	Metadherin enhances vulnerability of cancer cells to ferroptosis. <i>Cell Death and Disease</i> , 2019, 10, 682.	2.7	44
32	An integrated physico-chemical approach for explaining the differential impact of FLASH versus conventional dose rate irradiation on cancer and normal tissue responses. <i>Radiotherapy and Oncology</i> , 2019, 139, 23-27.	0.3	189
33	The Role of Redox Dysregulation in the Effects of Prenatal Stress on Embryonic Interneuron Migration. <i>Cerebral Cortex</i> , 2019, 29, 5116-5130.	1.6	16
34	Manipulations of Redox Metabolism for Enhancing Radiation Therapy Responses: A Historical Perspective and Novel Hypothesis. <i>Seminars in Radiation Oncology</i> , 2019, 29, 1-5.	1.0	12
35	Utilizing Superoxide Dismutase Mimetics to Enhance Radiation Therapy Response While Protecting Normal Tissues. <i>Seminars in Radiation Oncology</i> , 2019, 29, 72-80.	1.0	29
36	Pharmacological Ascorbate as a Means of Sensitizing Cancer Cells to Radio-Chemotherapy While Protecting Normal Tissue. <i>Seminars in Radiation Oncology</i> , 2019, 29, 25-32.	1.0	39

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37	Persistent increase in mitochondrial superoxide mediates cisplatin-induced chronic kidney disease. <i>Redox Biology</i> , 2019, 20, 98-106.	3.9	76
38	Assessment of the Stability of Supraphysiological Ascorbate in Human Blood: Appropriate Handling of Samples from Clinical Trials for Measurements of Pharmacological Ascorbate. <i>Radiation Research</i> , 2019, 191, 491.	0.7	2
39	Defective protein repair under methionine sulfoxide A deletion drives autophagy and ARE-dependent gene transcription. <i>Redox Biology</i> , 2018, 16, 401-413.	3.9	13
40	Radioresistant Cervical Cancers Are Sensitive to Inhibition of Glycolysis and Redox Metabolism. <i>Cancer Research</i> , 2018, 78, 1392-1403.	0.4	69
41	Pharmacological Ascorbate as an Adjuvant for Enhancing Radiation-Chemotherapy Responses in Gastric Adenocarcinoma. <i>Radiation Research</i> , 2018, 189, 456.	0.7	24
42	Redox active metals and H ₂ O ₂ mediate the increased efficacy of pharmacological ascorbate in combination with gemcitabine or radiation in pre-clinical sarcoma models. <i>Redox Biology</i> , 2018, 14, 417-422.	3.9	42
43	Augmentation of intracellular iron using iron sucrose enhances the toxicity of pharmacological ascorbate in colon cancer cells. <i>Redox Biology</i> , 2018, 14, 82-87.	3.9	30
44	Pharmacologic Ascorbate Reduces Radiation-Induced Normal Tissue Toxicity and Enhances Tumor Radiosensitization in Pancreatic Cancer. <i>Cancer Research</i> , 2018, 78, 6838-6851.	0.4	83
45	Targeting Breast Cancer Stem Cell State Equilibrium through Modulation of Redox Signaling. <i>Cell Metabolism</i> , 2018, 28, 69-86.e6.	7.2	284
46	Superoxide Dismutase Mimetic GC4419 Enhances the Oxidation of Pharmacological Ascorbate and Its Anticancer Effects in an H ₂ O ₂ -Dependent Manner. <i>Antioxidants</i> , 2018, 7, 18.	2.2	32
47	Emerging evidence for targeting mitochondrial metabolic dysfunction in cancer therapy. <i>Journal of Clinical Investigation</i> , 2018, 128, 3682-3691.	3.9	59
48	A common variant alters SCN5A-miR-24 interaction and associates with heart failure mortality. <i>Journal of Clinical Investigation</i> , 2018, 128, 1154-1163.	3.9	34
49	D-penicillamine combined with inhibitors of hydroperoxide metabolism enhances lung and breast cancer cell responses to radiation and carboplatin via H ₂ O ₂ -mediated oxidative stress. <i>Free Radical Biology and Medicine</i> , 2017, 108, 354-361.	1.3	27
50	O ₂ and H ₂ O ₂ -Mediated Disruption of Fe Metabolism Causes the Differential Susceptibility of NSCLC and GBM Cancer Cells to Pharmacological Ascorbate. <i>Cancer Cell</i> , 2017, 31, 487-500.e8.	7.7	316
51	Mitochondrial Superoxide Increases Age-Associated Susceptibility of Human Dermal Fibroblasts to Radiation and Chemotherapy. <i>Cancer Research</i> , 2017, 77, 5054-5067.	0.4	31
52	Consuming a Ketogenic Diet while Receiving Radiation and Chemotherapy for Locally Advanced Lung Cancer and Pancreatic Cancer: The University of Iowa Experience of Two Phase 1 Clinical Trials. <i>Radiation Research</i> , 2017, 187, 743-754.	0.7	100
53	James William Osborne, PhD 1928-2015. <i>Radiation Research</i> , 2016, 185, 214-216.	0.7	0
54	Redox balance influences differentiation status of neuroblastoma in the presence of all-trans retinoic acid. <i>Redox Biology</i> , 2016, 7, 88-96.	3.9	23

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55	Physiologic and Pathologic Functions of Mitochondrial ROS. , 2016, , 111-130.		0
56	Enhancement of Radiation Response in Breast Cancer Stem Cells by Inhibition of Thioredoxin- and Glutathione-Dependent Metabolism. Radiation Research, 2016, 186, 385.	0.7	87
57	Metabolic Production of H ₂ O ₂ in Carcinogenesis and Cancer Treatment. Oxidative Stress in Applied Basic Research and Clinical Practice, 2016, , 103-124.	0.4	1
58	Assessment of the Mitigative Capacity of Dietary Zinc on PCB126 Hepatotoxicity and the Contribution of Zinc to Toxicity. Chemical Research in Toxicology, 2016, 29, 851-859.	1.7	2
59	Size-dependent cytotoxicity of copper oxide nanoparticles in lung epithelial cells. Environmental Science: Nano, 2016, 3, 365-374.	2.2	78
60	Mitochondrial-Targeted Decyl-Triphenylphosphonium Enhances 2-Deoxy-D-Glucose Mediated Oxidative Stress and Clonogenic Killing of Multiple Myeloma Cells. PLoS ONE, 2016, 11, e0167323.	1.1	14
61	Superoxide dismutase mimic inhibits invasiveness of human gastric adenocarcinoma (GAC) cells. Journal of the American College of Surgeons, 2015, 221, e134.	0.2	0
62	Combined inhibition of glycolysis, the pentose cycle, and thioredoxin metabolism selectively increases cytotoxicity and oxidative stress in human breast and prostate cancer. Redox Biology, 2015, 4, 127-135.	3.9	71
63	Loss of <i>SOD3</i> (EcSOD) Expression Promotes an Aggressive Phenotype in Human Pancreatic Ductal Adenocarcinoma. Clinical Cancer Research, 2015, 21, 1741-1751.	3.2	58
64	Disruption of thioredoxin metabolism enhances the toxicity of transforming growth factor β -activated kinase 1 (TAK1) inhibition in KRAS-mutated colon cancer cells. Redox Biology, 2015, 5, 319-327.	3.9	14
65	Inhibition of MCU forces extramitochondrial adaptations governing physiological and pathological stress responses in heart. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9129-9134.	3.3	140
66	Biobehavioral and neuroendocrine correlates of antioxidant enzyme activity in ovarian carcinoma. Brain, Behavior, and Immunity, 2015, 50, 58-62.	2.0	6
67	Pharmacological Ascorbate Radiosensitizes Pancreatic Cancer. Cancer Research, 2015, 75, 3314-3326.	0.4	89
68	Essential Components of Cancer Education. Cancer Research, 2015, 75, 5202-5205.	0.4	10
69	Ionizing Radiation-Induced Responses: Where Free Radical Chemistry Meets Redox Biology and Medicine. Antioxidants and Redox Signaling, 2014, 20, 1407-1409.	2.5	50
70	Superoxide Mediates Acute Liver Injury in Irradiated Mice Lacking Sirtuin 3. Antioxidants and Redox Signaling, 2014, 20, 1423-1435.	2.5	30
71	Retroviral-infection increases tumorigenic potential of MDA-MB-231 breast carcinoma cells by expanding an aldehyde dehydrogenase (ALDH1) positive stem-cell like population. Redox Biology, 2014, 2, 847-854.	3.9	8
72	The Absence of CpG in Plasmid DNA Chitosan Polyplexes Enhances Transfection Efficiencies and Reduces Inflammatory Responses in Murine Lungs. Molecular Pharmaceutics, 2014, 11, 1022-1031.	2.3	12

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73	Ketogenic diets as an adjuvant cancer therapy: History and potential mechanism. <i>Redox Biology</i> , 2014, 2, 963-970.	3.9	206
74	Reactive Oxygen Species in Normal and Tumor Stem Cells. <i>Advances in Cancer Research</i> , 2014, 122, 1-67.	1.9	291
75	Mitochondrial Calcium Uniporter Activity Is Dispensable for MDA-MB-231 Breast Carcinoma Cell Survival. <i>PLoS ONE</i> , 2014, 9, e96866.	1.1	70
76	Selenoprotein P regulates 1-(4-Chlorophenyl)-benzo-2,5-quinone-induced oxidative stress and toxicity in human keratinocytes. <i>Free Radical Biology and Medicine</i> , 2013, 65, 70-77.	1.3	16
77	Chitosan coating of copper nanoparticles reduces <i>in vitro</i> toxicity and increases inflammation in the lung. <i>Nanotechnology</i> , 2013, 24, 395101.	1.3	73
78	A New Player in Environmentally Induced Oxidative Stress: Polychlorinated Biphenyl Congener, 3,3'-Dichlorobiphenyl (PCB11). <i>Toxicological Sciences</i> , 2013, 136, 39-50.	1.4	45
79	Low-Dose Radiation-Induced Enhancement of Thymic Lymphomagenesis in Lck-Bax Mice is Dependent on LET and Gender. <i>Radiation Research</i> , 2013, 180, 156-165.	0.7	5
80	Maintenance of mitochondrial genomic integrity in the absence of manganese superoxide dismutase in mouse liver hepatocytes. <i>Redox Biology</i> , 2013, 1, 172-177.	3.9	16
81	Ketogenic Diets Enhance Oxidative Stress and Radio-Chemo-Therapy Responses in Lung Cancer Xenografts. <i>Clinical Cancer Research</i> , 2013, 19, 3905-3913.	3.2	180
82	Catalase Abrogates H_2O_2 -Lapachone-Induced PARP1 Hyperactivation-Directed Programmed Necrosis in NQO1-Positive Breast Cancers. <i>Molecular Cancer Therapeutics</i> , 2013, 12, 2110-2120.	1.9	85
83	DNA damage induces reactive oxygen species generation through the H2AX-Nox1/Rac1 pathway. <i>Cell Death and Disease</i> , 2012, 3, e249-e249.	2.7	235
84	Mitochondrial Rac1 GTPase Import and Electron Transfer from Cytochrome c Are Required for Pulmonary Fibrosis. <i>Journal of Biological Chemistry</i> , 2012, 287, 3301-3312.	1.6	78
85	2-Deoxyglucose-induced toxicity is regulated by Bcl-2 family members and is enhanced by antagonizing Bcl-2 in lymphoma cell lines. <i>Oncogene</i> , 2012, 31, 2738-2749.	2.6	54
86	Inhibition of fatty acid oxidation enhances oxidative protein folding and protects hepatocytes from endoplasmic reticulum stress. <i>Molecular Biology of the Cell</i> , 2012, 23, 811-819.	0.9	34
87	HER2-Associated Radioresistance of Breast Cancer Stem Cells Isolated from HER2-Negative Breast Cancer Cells. <i>Clinical Cancer Research</i> , 2012, 18, 6634-6647.	3.2	183
88	Exploring the electrostatic repulsion model in the role of Sirt3 in directing MnSOD acetylation status and enzymatic activity. <i>Free Radical Biology and Medicine</i> , 2012, 53, 828-833.	1.3	52
89	Susceptibility of Human Head and Neck Cancer Cells to Combined Inhibition of Glutathione and Thioredoxin Metabolism. <i>PLoS ONE</i> , 2012, 7, e48175.	1.1	65
90	Genomic instability induced by mutant succinate dehydrogenase subunit D (SDHD) is mediated by $\text{O}_2^{\cdot-}$ and H_2O_2 . <i>Free Radical Biology and Medicine</i> , 2012, 52, 160-166.	1.3	43

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91	Simultaneous inhibition of glutathione- and thioredoxin-dependent metabolism is necessary to potentiate 17AAG-induced cancer cell killing via oxidative stress. <i>Free Radical Biology and Medicine</i> , 2012, 52, 436-443.	1.3	73
92	Manipulation of cellular redox parameters for improving therapeutic responses in B-cell lymphoma and multiple myeloma. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 419-425.	1.2	32
93	The Role of Akt Pathway Signaling in Glucose Metabolism and Metabolic Oxidative Stress. , 2012, , 21-46.		15
94	Breast Cancer Stem Cell-Like Cells Are More Sensitive to Ionizing Radiation than Non-Stem Cells: Role of ATM. <i>PLoS ONE</i> , 2012, 7, e50423.	1.1	28
95	Enhancement of Cancer Therapy Using Ketogenic Diet. , 2012, , 47-58.		1
96	Sensitivity to Low-Dose/Low-LET Ionizing Radiation in Mammalian Cells Harboring Mutations in Succinate Dehydrogenase Subunit C is Governed by Mitochondria-Derived Reactive Oxygen Species. <i>Radiation Research</i> , 2011, 175, 150-158.	0.7	29
97	The p53/p21 ^{WAF/CIP} Pathway Mediates Oxidative Stress and Senescence in Dyskeratosis Congenita Cells with Telomerase Insufficiency. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 985-997.	2.5	36
98	Sirt3, Mitochondrial ROS, Ageing, and Carcinogenesis. <i>International Journal of Molecular Sciences</i> , 2011, 12, 6226-6239.	1.8	92
99	Acetylation of MnSOD directs enzymatic activity responding to cellular nutrient status or oxidative stress. <i>Aging</i> , 2011, 3, 102-107.	1.4	132
100	METABOLIC OXIDATIVE STRESS AND LOW DOSE RADIATION RESPONSES: ARE MITOCHONDRIA INVOLVED?. <i>Health Physics</i> , 2011, 100, 295.	0.3	5
101	Elevated mitochondrial superoxide disrupts normal T cell development, impairing adaptive immune responses to an influenza challenge. <i>Free Radical Biology and Medicine</i> , 2011, 50, 448-458.	1.3	92
102	Comment on "Pharmacologic ascorbate synergizes with gemcitabine in preclinical models of pancreatic cancer," i.e., all we are saying is, give C a chance. <i>Free Radical Biology and Medicine</i> , 2011, 50, 1726-1727.	1.3	8
103	An inhibitor of K ⁺ channels modulates human endometrial tumor-initiating cells. <i>Cancer Cell International</i> , 2011, 11, 25.	1.8	8
104	Erlotinib-Mediated Inhibition of EGFR Signaling Induces Metabolic Oxidative Stress through NOX4. <i>Cancer Research</i> , 2011, 71, 3932-3940.	0.4	79
105	Mitochondrial Cu,Zn-Superoxide Dismutase Mediates Pulmonary Fibrosis by Augmenting H ₂ O ₂ Generation. <i>Journal of Biological Chemistry</i> , 2011, 286, 15597-15607.	1.6	65
106	Enhancement of Carboplatin-Mediated Lung Cancer Cell Killing by Simultaneous Disruption of Glutathione and Thioredoxin Metabolism. <i>Clinical Cancer Research</i> , 2011, 17, 6206-6217.	3.2	95
107	Oxidation of CaMKII determines the cardiotoxic effects of aldosterone. <i>Nature Medicine</i> , 2011, 17, 1610-1618.	15.2	220
108	2-deoxy-D-glucose induces oxidative stress and cell killing in human neuroblastoma cells. <i>Cancer Biology and Therapy</i> , 2010, 9, 853-861.	1.5	38

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109	SIRT3 Is a Mitochondria-Localized Tumor Suppressor Required for Maintenance of Mitochondrial Integrity and Metabolism during Stress. <i>Cancer Cell</i> , 2010, 17, 41-52.	7.7	705
110	Paclitaxel combined with inhibitors of glucose and hydroperoxide metabolism enhances breast cancer cell killing via H ₂ O ₂ -mediated oxidative stress. <i>Free Radical Biology and Medicine</i> , 2010, 48, 1024-1033.	1.3	71
111	Polychlorinated biphenyl induced ROS signaling delays the entry of quiescent human breast epithelial cells into the proliferative cycle. <i>Free Radical Biology and Medicine</i> , 2010, 49, 40-49.	1.3	20
112	Disruption of Sag/Rbx2/Roc2 induces radiosensitization by increasing ROS levels and blocking NF- κ B activation in mouse embryonic stem cells. <i>Free Radical Biology and Medicine</i> , 2010, 49, 976-983.	1.3	33
113	Superoxide Enhances the Antitumor Combination of AdMnSOD Plus BCNU in Breast Cancer. <i>Cancers</i> , 2010, 2, 68-87.	1.7	13
114	Transgenic Biosynthesis of Trypanothione Protects Escherichia coli from Radiation-Induced Toxicity. <i>Radiation Research</i> , 2010, 174, 290-296.	0.7	7
115	Liposomal Doxorubicin Increases Radiofrequency Ablation-induced Tumor Destruction by Increasing Cellular Oxidative and Nitrate Stress and Accelerating Apoptotic Pathways. <i>Radiology</i> , 2010, 255, 62-74.	3.6	75
116	Dexamethasone-Induced Oxidative Stress Enhances Myeloma Cell Radiosensitization While Sparing Normal Bone Marrow Hematopoiesis. <i>Neoplasia</i> , 2010, 12, 980-992.	2.3	39
117	Sirt3-Mediated Deacetylation of Evolutionarily Conserved Lysine 122 Regulates MnSOD Activity in Response to Stress. <i>Molecular Cell</i> , 2010, 40, 893-904.	4.5	794
118	Acute toxicity of 3,3',4,4',5-pentachlorobiphenyl (PCB 126) in male Sprague-Dawley rats: Effects on hepatic oxidative stress, glutathione and metals status. <i>Environment International</i> , 2010, 36, 918-923.	4.8	66
119	The Generation of Stable Oxidative Stress-Resistant Phenotypes in Chinese Hamster Fibroblasts Chronically Exposed to Hydrogen Peroxide or Hyperoxia. <i>Methods in Molecular Biology</i> , 2010, 610, 183-199.	0.4	5
120	Inhibition of Glutathione and Thioredoxin Metabolism Enhances Sensitivity to Perifosine in Head and Neck Cancer Cells. <i>Journal of Oncology</i> , 2009, 2009, 1-10.	0.6	36
121	Mitochondrial Complex II Dysfunction Can Contribute Significantly to Genomic Instability after Exposure to Ionizing Radiation. <i>Radiation Research</i> , 2009, 172, 737-745.	0.7	83
122	Increased levels of superoxide and H ₂ O ₂ mediate the differential susceptibility of cancer cells versus normal cells to glucose deprivation. <i>Biochemical Journal</i> , 2009, 418, 29-37.	1.7	378
123	Mitochondrial electron transport chain blockers enhance 2-deoxy-D-glucose induced oxidative stress and cell killing in human colon carcinoma cells. <i>Cancer Biology and Therapy</i> , 2009, 8, 1228-1236.	1.5	65
124	Mitochondrial ROS and radiation induced transformation in mouse embryonic fibroblasts. <i>Cancer Biology and Therapy</i> , 2009, 8, 1962-1971.	1.5	43
125	Cigarette Smoke Induces Cellular Senescence via Werner's Syndrome Protein Down-regulation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 179, 279-287.	2.5	70
126	Aging augments mitochondrial susceptibility to heat stress. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R812-R820.	0.9	34

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127	Glucose deprivation-induced metabolic oxidative stress and cancer therapy. <i>Journal of Cancer Research and Therapeutics</i> , 2009, 5, 2.	0.3	77
128	Cisplatin combined with zidovudine enhances cytotoxicity and oxidative stress in human head and neck cancer cells via a thiol-dependent mechanism. <i>Free Radical Biology and Medicine</i> , 2009, 46, 232-237.	1.3	46
129	Polychlorinated-biphenyl-induced oxidative stress and cytotoxicity can be mitigated by antioxidants after exposure. <i>Free Radical Biology and Medicine</i> , 2009, 47, 1762-1771.	1.3	69
130	Glucose as a prognostic factor in ovarian carcinoma. <i>Cancer</i> , 2009, 115, 1021-1027.	2.0	58
131	Radiation Response in Two HPV-Infected Head-and-Neck Cancer Cell Lines in Comparison to a Non-HPV-Infected Cell Line and Relationship to Signaling Through AKT. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 74, 928-933.	0.4	93
132	Subacute exposure to N-ethyl perfluorooctanesulfonamidoethanol results in the formation of perfluorooctanesulfonate and alters superoxide dismutase activity in female rats. <i>Archives of Toxicology</i> , 2009, 83, 909-924.	1.9	41
133	Amifostine Induces Antioxidant Enzymatic Activities in Normal Tissues and a Transplantable Tumor That Can Affect Radiation Response. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 73, 886-896.	0.4	39
134	Progesterin stimulation of manganese superoxide dismutase and invasive properties in T47D human breast cancer cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2009, 117, 23-30.	1.2	25
135	Fetal programming alters reactive oxygen species production in sheep cardiac mitochondria. <i>Clinical Science</i> , 2009, 116, 659-668.	1.8	16
136	Heightened Susceptibility to Influenza Mortality in Immunodeficient Mice Caused by a T-Cell Specific Defect in SOD2. <i>Blood</i> , 2009, 114, 1655-1655.	0.6	1
137	Posttreatment FDG-PET Uptake in the Supraglottic and Glottic Larynx Correlates With Decreased Quality of Life After Chemoradiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 71, 386-392.	0.4	30
138	Î±-Tocopheryl succinate induces apoptosis by targeting ubiquinone-binding sites in mitochondrial respiratory complex II. <i>Oncogene</i> , 2008, 27, 4324-4335.	2.6	266
139	2-Deoxy-d-glucose causes cytotoxicity, oxidative stress, and radiosensitization in pancreatic cancer. <i>Free Radical Biology and Medicine</i> , 2008, 44, 322-331.	1.3	134
140	2-Deoxyglucose combined with wild-type p53 overexpression enhances cytotoxicity in human prostate cancer cells via oxidative stress. <i>Free Radical Biology and Medicine</i> , 2008, 44, 826-834.	1.3	31
141	Increased oxidative stress created by adenoviral MnSOD or CuZnSOD plus BCNU (1,3-bis(2-chloroethyl)-1-nitrosourea) inhibits breast cancer cell growth. <i>Free Radical Biology and Medicine</i> , 2008, 44, 856-867.	1.3	32
142	All-trans-retinoic acid induces manganese superoxide dismutase in human neuroblastoma through NF-Î²B. <i>Free Radical Biology and Medicine</i> , 2008, 44, 1610-1616.	1.3	46
143	Manganese superoxide dismutase gene dosage affects chromosomal instability and tumor onset in a mouse model of T cell lymphoma. <i>Free Radical Biology and Medicine</i> , 2008, 44, 1677-1686.	1.3	49
144	In Memoriam <i>Free Radical Biology and Medicine</i> - Volume 45, Issue 2. <i>Free Radical Biology and Medicine</i> , 2008, 45, 95-96.	1.3	0

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