# Douglas R Spitz

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 259 papers | 22,121 citations | 7568 77 h-index | 10734 138 g-index |
| 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. Journal of Radiation Research, 2022, 63, 378-384. | 1.6 | 6 |
| 2 | Pharmacological ascorbate improves the response to platinum-based chemotherapy in advanced stage non-small cell lung cancer. Redox Biology, 2022, 53, 102318. | 9.0 | 8 |
| 3 | Oxidative stress and impaired insulin secretion in cystic fibrosis pig pancreas. Advances in Redox Research, 2022, 5, 100040. | 2.1 | 4 |
| 4 | Delivery of therapeutic carbon monoxide by gas-entrapping materials. Science Translational Medicine, 2022, 14, . | 12.4 | 21 |
| 5 | Magnetic resonance imaging (MRI) of pharmacological ascorbate-induced iron redox state as a biomarker in subjects undergoing radio-chemotherapy. Redox Biology, 2021, 38, 101804. | 9.0 | 14 |
| 6 | Reply to Petersen et al.: An alternative hypothesis for why exposure to static magnetic and electric fields treats type 2 diabetes. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E1004-E1005. | 3.5 | 0 |
| 7 | Counterpoint: An alternative hypothesis for why exposure to static magnetic and electric fields treats type 2 diabetes. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E1001-E1002. | 3.5 | 4 |
| 8 | Avasopasem manganese synergizes with hypofractionated radiation to ablate tumors through the generation of hydrogen peroxide. Science Translational Medicine, 2021, 13, . | 12.4 | 17 |
| 9 | Ketogenic Diet with Concurrent Chemoradiation in Head and Neck Squamous Cell Carcinoma: Preclinical and Phase 1 Trial Results. Radiation Research, 2021, 196, 213-224. | 1.5 | 14 |
| 10 | Mitochondrial Superoxide Dismutase in Cisplatin-Induced Kidney Injury. Antioxidants, 2021, 10, 1329. | 5.1 | 25 |
| 11 | Ironâ€"Sulfur Cluster Biogenesis as a Critical Target in Cancer. Antioxidants, 2021, 10, 1458. | 5.1 | 16 |
| 12 | Utilization of Pharmacological Ascorbate to Enhance Hydrogen Peroxide-Mediated Radiosensitivity in Cancer Therapy. International Journal of Molecular Sciences, 2021, 22, 10880. | 4.1 | 9 |
| 13 | The mechanism of cell death induced by silver nanoparticles is distinct from silver cations. Particle and Fibre Toxicology, 2021, 18, 37. | 6.2 | 45 |
| 14 | The Effects of Benoxacor on the Liver and Gut Microbiome of C57BL/6 Mice. Toxicological Sciences, 2021, , . | 3.1 | 3 |
| 15 | Exposure to Static Magnetic and Electric Fields Treats Type 2 Diabetes. Cell Metabolism, 2020, 32, 561-574.e7. | 16.2 | 55 |
| 16 | Response to Ling et al. regarding â€œAn integrated physico-chemical approach for explaining the differential impact of FLASH versus conventional dose rate irradiation on cancer and normal tissue responsesâ€• Radiotherapy and Oncology, 2020, 147, 241-242. | 0.6 | 2 |
| 17 | Glutaminase Inhibitors Induce Thiol-Mediated Oxidative Stress and Radiosensitization in Treatment-Resistant Cervical Cancers. Molecular Cancer Therapeutics, 2020, 19, 2465-2475. | 4.1 | 25 |
| 18 | Radioresistance in Glioblastoma and the Development of Radiosensitizers. Cancers, 2020, 12, 2511. | 3.7 | 77 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Lymph protects metastasizing melanoma cells from ferroptosis. Nature, 2020, 585, 113-118. | 27.8 | 484 |
| 20 | Neoadjuvant Radiotherapy-Related Wound Morbidity in Soft Tissue Sarcoma: Perspectives for Radioprotective Agents. Cancers, 2020, 12, 2258. | 3.7 | 10 |
| 21 | Disulfiram causes selective hypoxic cancer cell toxicity and radio-chemo-sensitization via redox cycling of copper. Free Radical Biology and Medicine, 2020, 150, 1-11. | 2.9 | 22 |
| 22 | Dual Oxidase-Induced Sustained Generation of Hydrogen Peroxide Contributes to Pharmacologic Ascorbate-Induced Cytotoxicity. Cancer Research, 2020, 80, 1401-1413. | 0.9 | 26 |
| 23 | Combination Therapy with Radiation and PARP Inhibition Enhances Responsiveness to Anti-PD-1 Therapy in Colorectal Tumor Models. International Journal of Radiation Oncology Biology Physics, 2020, 108, 81-92. | 0.8 | 28 |
| 24 | Understanding High-Dose, Ultra-High Dose Rate, and Spatially Fractionated Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2020, 107, 766-778. | 0.8 | 70 |
| 25 | Assessment of Gadobutrol Safety in Combination with Ionizing Radiation Using a Preclinical MRI-Guided Radiotherapy Model. Radiation Research, 2020, 195, 230-234. | 1.5 | 4 |
| 26 | Triphenylphosphonium derivatives disrupt metabolism and inhibit melanoma growth in vivo when delivered via a thermosensitive hydrogel. PLoS ONE, 2020, 15, e0244540. | 2.5 | 6 |
| 27 | Linking Cancer Metabolic Dysfunction and Genetic Instability through the Lens of Iron Metabolism. Cancers, 2019, 11, 1077. | 3.7 | 43 |
| 28 | SOD1 deficiency: a novel syndrome distinct from amyotrophic lateral sclerosis. Brain, 2019, 142, 2230-2237. | 7.6 | 59 |
| 29 | First-in-Human Phase I Clinical Trial of Pharmacologic Ascorbate Combined with Radiation and Temozolomide for Newly Diagnosed Glioblastoma. Clinical Cancer Research, 2019, 25, 6590-6597. | 7.0 | 52 |
| 30 | Response to letter regarding â€œAn integrated physico-chemical approach for explaining the differential impact of FLASH versus conventional dose rate irradiation on cancer and normal tissue responsesâ€• Radiotherapy and Oncology, 2019, 139, 64-65. | 0.6 | 12 |
| 31 | Metadherin enhances vulnerability of cancer cells to ferroptosis. Cell Death and Disease, 2019, 10, 682. | 6.3 | 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. Radiotherapy and Oncology, 2019, 139, 23-27. | 0.6 | 189 |
| 33 | The Role of Redox Dysregulation in the Effects of Prenatal Stress on Embryonic Interneuron Migration. Cerebral Cortex, 2019, 29, 5116-5130. | 2.9 | 16 |
| 34 | Manipulations of Redox Metabolism for Enhancing Radiation Therapy Responses: A Historical Perspective and Novel Hypothesis. Seminars in Radiation Oncology, 2019, 29, 1-5. | 2.2 | 12 |
| 35 | Utilizing Superoxide Dismutase Mimetics to Enhance Radiation Therapy Response While Protecting Normal Tissues. Seminars in Radiation Oncology, 2019, 29, 72-80. | 2.2 | 29 |
| 36 | Pharmacological Ascorbate as a Means of Sensitizing Cancer Cells to Radio-Chemotherapy While Protecting Normal Tissue. Seminars in Radiation Oncology, 2019, 29, 25-32. | 2.2 | 39 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Persistent increase in mitochondrial superoxide mediates cisplatin-induced chronic kidney disease. Redox Biology, 2019, 20, 98-106. | 9.0 | 76 |
| 38 | Assessment of the Stability of Supraphysiological Ascorbate in Human Blood: Appropriate Handling of Samples from Clinical Trials for Measurements of Pharmacological Ascorbate. Radiation Research, 2019, 191, 491. | 1.5 | 2 |
| 39 | Defective protein repair under methionine sulfoxide A deletion drives autophagy and ARE-dependent gene transcription. Redox Biology, 2018, 16, 401-413. | 9.0 | 13 |
| 40 | Radioresistant Cervical Cancers Are Sensitive to Inhibition of Glycolysis and Redox Metabolism. Cancer Research, 2018, 78, 1392-1403. | 0.9 | 69 |
| 41 | Pharmacological Ascorbate as an Adjuvant for Enhancing Radiation-Chemotherapy Responses in Gastric Adenocarcinoma. Radiation Research, 2018, 189, 456. | 1.5 | 24 |
| 42 | Redox active metals and H2O2 mediate the increased efficacy of pharmacological ascorbate in combination with gemcitabine or radiation in pre-clinical sarcoma models. Redox Biology, 2018, 14, 417-422. | 9.0 | 42 |
| 43 | Augmentation of intracellular iron using iron sucrose enhances the toxicity of pharmacological ascorbate in colon cancer cells. Redox Biology, 2018, 14, 82-87. | 9.0 | 30 |
| 44 | Pharmacologic Ascorbate Reduces Radiation-Induced Normal Tissue Toxicity and Enhances Tumor Radiosensitization in Pancreatic Cancer. Cancer Research, 2018, 78, 6838-6851. | 0.9 | 83 |
| 45 | Targeting Breast Cancer Stem Cell State Equilibrium through Modulation of Redox Signaling. Cell Metabolism, 2018, 28, 69-86.e6. | 16.2 | 284 |
| 46 | Superoxide Dismutase Mimetic GC4419 Enhances the Oxidation of Pharmacological Ascorbate and Its Anticancer Effects in an H2O2-Dependent Manner. Antioxidants, 2018, 7, 18. | 5.1 | 32 |
| 47 | Emerging evidence for targeting mitochondrial metabolic dysfunction in cancer therapy. Journal of Clinical Investigation, 2018, 128, 3682-3691. | 8.2 | 59 |
| 48 | A common variant alters SCN5Aâ€“miR-24 interaction and associates with heart failure mortality. Journal of Clinical Investigation, 2018, 128, 1154-1163. | 8.2 | 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. Free Radical Biology and Medicine, 2017, 108, 354-361. | 2.9 | 27 |
| 50 | O 2 â‹…â˙ and H 2 O 2 -Mediated Disruption of Fe Metabolism Causes the Differential Susceptibility of NSCLC and GBM Cancer Cells to Pharmacological Ascorbate. Cancer Cell, 2017, 31, 487-500.e8. | 16.8 | 316 |
| 51 | Mitochondrial Superoxide Increases Age-Associated Susceptibility of Human Dermal Fibroblasts to Radiation and Chemotherapy. Cancer Research, 2017, 77, 5054-5067. | 0.9 | 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. Radiation Research, 2017, 187, 743-754. | 1.5 | 100 |
| 53 | James William Osborne, PhD 1928â€“2015. Radiation Research, 2016, 185, 214-216. | 1.5 | 0 |
| 54 | Redox balance influences differentiation status of neuroblastoma in the presence of all-trans retinoic acid. Redox Biology, 2016, 7, 88-96. | 9.0 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 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. | 1.5 | 87 |
| 57 | Metabolic Production of H2O2 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. | 3.3 | 2 |
| 59 | Size-dependent cytotoxicity of copper oxide nanoparticles in lung epithelial cells. Environmental Science: Nano, 2016, 3, 365-374. | 4.3 | 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. | 2.5 | 14 |
| 61 | Superoxide dismutase mimic inhibits invasiveness of human gastric adenocarcinoma (GAC) cells. Journal of the American College of Surgeons, 2015, 221, e134. | 0.5 | 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. | 9.0 | 71 |
| 63 | Loss of SOD3 (EcSOD) Expression Promotes an Aggressive Phenotype in Human Pancreatic Ductal Adenocarcinoma. Clinical Cancer Research, 2015, 21, 1741-1751. | 7.0 | 58 |
| 64 | Disruption of thioredoxin metabolism enhances the toxicity of transforming growth factor Î²-activated kinase 1 (TAK1) inhibition in KRAS-mutated colon cancer cells. Redox Biology, 2015, 5, 319-327. | 9.0 | 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. | 7.1 | 140 |
| 66 | Biobehavioral and neuroendocrine correlates of antioxidant enzyme activity in ovarian carcinoma. Brain, Behavior, and Immunity, 2015, 50, 58-62. | 4.1 | 6 |
| 67 | Pharmacological Ascorbate Radiosensitizes Pancreatic Cancer. Cancer Research, 2015, 75, 3314-3326. | 0.9 | 89 |
| 68 | Essential Components of Cancer Education. Cancer Research, 2015, 75, 5202-5205. | 0.9 | 10 |
| 69 | Ionizing Radiation-Induced Responses: Where Free Radical Chemistry Meets Redox Biology and Medicine. Antioxidants and Redox Signaling, 2014, 20, 1407-1409. | 5.4 | 50 |
| 70 | Superoxide Mediates Acute Liver Injury in Irradiated Mice Lacking Sirtuin 3. Antioxidants and Redox Signaling, 2014, 20, 1423-1435. | 5.4 | 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. | 9.0 | 8 |
| 72 | The Absence of CpG in Plasmid DNAâ€"Chitosan Polyplexes Enhances Transfection Efficiencies and Reduces Inflammatory Responses in Murine Lungs. Molecular Pharmaceutics, 2014, 11, 1022-1031. | 4.6 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Ketogenic diets as an adjuvant cancer therapy: History and potential mechanism. Redox Biology, 2014, 2, 963-970. | 9.0 | 206 |
| 74 | Reactive Oxygen Species in Normal and Tumor Stem Cells. Advances in Cancer Research, 2014, 122, 1-67. | 5.0 | 291 |
| 75 | Mitochondrial Calcium Uniporter Activity Is Dispensable for MDA-MB-231 Breast Carcinoma Cell Survival. PLoS ONE, 2014, 9, e96866. | 2.5 | 70 |
| 76 | Selenoprotein P regulates 1-(4-Chlorophenyl)-benzo-2,5-quinone-induced oxidative stress and toxicity in human keratinocytes. Free Radical Biology and Medicine, 2013, 65, 70-77. | 2.9 | 16 |
| 77 | Chitosan coating of copper nanoparticles reducesin vitrotoxicity and increases inflammation in the lung. Nanotechnology, 2013, 24, 395101. | 2.6 | 73 |
| 78 | A New Player in Environmentally Induced Oxidative Stress: Polychlorinated Biphenyl Congener, 3,3â€²-Dichlorobiphenyl (PCB11). Toxicological Sciences, 2013, 136, 39-50. | 3.1 | 45 |
| 79 | Low-Dose Radiation-Induced Enhancement of Thymic Lymphomagenesis in Lck-Bax Mice is Dependent on LET and Gender. Radiation Research, 2013, 180, 156-165. | 1.5 | 5 |
| 80 | Maintenance of mitochondrial genomic integrity in the absence of manganese superoxide dismutase in mouse liver hepatocytes. Redox Biology, 2013, 1, 172-177. | 9.0 | 16 |
| 81 | Ketogenic Diets Enhance Oxidative Stress and Radio-Chemo-Therapy Responses in Lung Cancer Xenografts. Clinical Cancer Research, 2013, 19, 3905-3913. | 7.0 | 180 |
| 82 | Catalase Abrogates Î²-Lapachoneâ€"Induced PARP1 Hyperactivationâ€"Directed Programmed Necrosis in NQO1-Positive Breast Cancers. Molecular Cancer Therapeutics, 2013, 12, 2110-2120. | 4.1 | 85 |
| 83 | DNA damage induces reactive oxygen species generation through the H2AX-Nox1/Rac1 pathway. Cell Death and Disease, 2012, 3, e249-e249. | 6.3 | 235 |
| 84 | Mitochondrial Rac1 GTPase Import and Electron Transfer from Cytochrome c Are Required for Pulmonary Fibrosis. Journal of Biological Chemistry, 2012, 287, 3301-3312. | 3.4 | 78 |
| 85 | 2-Deoxyglucose-induced toxicity is regulated by Bcl-2 family members and is enhanced by antagonizing Bcl-2 in lymphoma cell lines. Oncogene, 2012, 31, 2738-2749. | 5.9 | 54 |
| 86 | Inhibition of fatty acid oxidation enhances oxidative protein folding and protects hepatocytes from endoplasmic reticulum stress. Molecular Biology of the Cell, 2012, 23, 811-819. | 2.1 | 34 |
| 87 | HER2-Associated Radioresistance of Breast Cancer Stem Cells Isolated from HER2-Negative Breast Cancer Cells. Clinical Cancer Research, 2012, 18, 6634-6647. | 7.0 | 183 |
| 88 | Exploring the electrostatic repulsion model in the role of Sirt3 in directing MnSOD acetylation status and enzymatic activity. Free Radical Biology and Medicine, 2012, 53, 828-833. | 2.9 | 52 |
| 89 | Susceptibility of Human Head and Neck Cancer Cells to Combined Inhibition of Glutathione and Thioredoxin Metabolism. PLoS ONE, 2012, 7, e48175. | 2.5 | 65 |
| 90 | Genomic instability induced by mutant succinate dehydrogenase subunit D (SDHD) is mediated by O2-â€¢ and H2O2. Free Radical Biology and Medicine, 2012, 52, 160-166. | 2.9 | 43 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Simultaneous inhibition of glutathione- and thioredoxin-dependent metabolism is necessary to potentiate 17AAG-induced cancer cell killing via oxidative stress. Free Radical Biology and Medicine, 2012, 52, 436-443. | 2.9 | 73 |
| 92 | Manipulation of cellular redox parameters for improving therapeutic responses in Bâ€cell lymphoma and multiple myeloma. Journal of Cellular Biochemistry, 2012, 113, 419-425. | 2.6 | 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. PLoS ONE, 2012, 7, e50423. | 2.5 | 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. Radiation Research, 2011, 175, 150-158. | 1.5 | 29 |
| 97 | The p53/p21<sup>WAF/CIP</sup> Pathway Mediates Oxidative Stress and Senescence in Dyskeratosis Congenita Cells with Telomerase Insufficiency. Antioxidants and Redox Signaling, 2011, 14, 985-997. | 5.4 | 36 |
| 98 | Sirt3, Mitochondrial ROS, Ageing, and Carcinogenesis. International Journal of Molecular Sciences, 2011, 12, 6226-6239. | 4.1 | 92 |
| 99 | Acetylation of MnSOD directs enzymatic activity responding to cellular nutrient status or oxidative stress. Aging, 2011, 3, 102-107. | 3.1 | 132 |
| 100 | METABOLIC OXIDATIVE STRESS AND LOW DOSE RADIATION RESPONSES: ARE MITOCHONDRIA INVOLVED?. Health Physics, 2011, 100, 295. | 0.5 | 5 |
| 101 | Elevated mitochondrial superoxide disrupts normal T cell development, impairing adaptive immune responses to an influenza challenge. Free Radical Biology and Medicine, 2011, 50, 448-458. | 2.9 | 92 |
| 102 | Comment on â€œPharmacologic ascorbate synergizes with gemcitabine in preclinical models of pancreatic cancer,â€•i.e., all we are saying is, give C a chance. Free Radical Biology and Medicine, 2011, 50, 1726-1727. | 2.9 | 8 |
| 103 | An inhibitor of K+ channels modulates human endometrial tumor-initiating cells. Cancer Cell International, 2011, 11, 25. | 4.1 | 8 |
| 104 | Erlotinib-Mediated Inhibition of EGFR Signaling Induces Metabolic Oxidative Stress through NOX4. Cancer Research, 2011, 71, 3932-3940. | 0.9 | 79 |
| 105 | Mitochondrial Cu,Zn-Superoxide Dismutase Mediates Pulmonary Fibrosis by Augmenting H2O2 Generation. Journal of Biological Chemistry, 2011, 286, 15597-15607. | 3.4 | 65 |
| 106 | Enhancement of Carboplatin-Mediated Lung Cancer Cell Killing by Simultaneous Disruption of Glutathione and Thioredoxin Metabolism. Clinical Cancer Research, 2011, 17, 6206-6217. | 7.0 | 95 |
| 107 | Oxidation of CaMKII determines the cardiotoxic effects of aldosterone. Nature Medicine, 2011, 17, 1610-1618. | 30.7 | 220 |
| 108 | 2-deoxy-D-glucose induces oxidative stress and cell killing in human neuroblastoma cells. Cancer Biology and Therapy, 2010, 9, 853-861. | 3.4 | 38 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | SIRT3 Is a Mitochondria-Localized Tumor Suppressor Required for Maintenance of Mitochondrial Integrity and Metabolism during Stress. Cancer Cell, 2010, 17, 41-52. | 16.8 | 705 |
| 110 | Paclitaxel combined with inhibitors of glucose and hydroperoxide metabolism enhances breast cancer cell killing via H2O2-mediated oxidative stress. Free Radical Biology and Medicine, 2010, 48, 1024-1033. | 2.9 | 71 |
| 111 | Polychlorinated biphenyl induced ROS signaling delays the entry of quiescent human breast epithelial cells into the proliferative cycle. Free Radical Biology and Medicine, 2010, 49, 40-49. | 2.9 | 20 |
| 112 | Disruption of Sag/Rbx2/Roc2 induces radiosensitization by increasing ROS levels and blocking NF-ÎºB activation in mouse embryonic stem cells. Free Radical Biology and Medicine, 2010, 49, 976-983. | 2.9 | 33 |
| 113 | Superoxide Enhances the Antitumor Combination of AdMnSOD Plus BCNU in Breast Cancer. Cancers, 2010, 2, 68-87. | 3.7 | 13 |
| 114 | Transgenic Biosynthesis of Trypanothione Protects Escherichia coli from Radiation-Induced Toxicity. Radiation Research, 2010, 174, 290-296. | 1.5 | 7 |
| 115 | Liposomal Doxorubicin Increases Radiofrequency Ablationâ€"induced Tumor Destruction by Increasing Cellular Oxidative and Nitrative Stress and Accelerating Apoptotic Pathways. Radiology, 2010, 255, 62-74. | 7.3 | 75 |
| 116 | Dexamethasone-Induced Oxidative Stress Enhances Myeloma Cell Radiosensitization While Sparing Normal Bone Marrow Hematopoiesis. Neoplasia, 2010, 12, 980-992. | 5.3 | 39 |
| 117 | Sirt3-Mediated Deacetylation of Evolutionarily Conserved Lysine 122 Regulates MnSOD Activity in Response to Stress. Molecular Cell, 2010, 40, 893-904. | 9.7 | 794 |
| 118 | Acute toxicity of 3,3â€²,4,4â€²,5-pentachlorobiphenyl (PCB 126) in male Spragueâ€"Dawley rats: Effects on hepatic oxidative stress, glutathione and metals status. Environment International, 2010, 36, 918-923. | 10.0 | 66 |
| 119 | The Generation of Stable Oxidative Stress-Resistant Phenotypes in Chinese Hamster Fibroblasts Chronically Exposed to Hydrogen Peroxide or Hyperoxia. Methods in Molecular Biology, 2010, 610, 183-199. | 0.9 | 5 |
| 120 | Inhibition of Glutathione and Thioredoxin Metabolism Enhances Sensitivity to Perifosine in Head and Neck Cancer Cells. Journal of Oncology, 2009, 2009, 1-10. | 1.3 | 36 |
| 121 | Mitochondrial Complex II Dysfunction Can Contribute Significantly to Genomic Instability after Exposure to Ionizing Radiation. Radiation Research, 2009, 172, 737-745. | 1.5 | 83 |
| 122 | Increased levels of superoxide and H2O2 mediate the differential susceptibility of cancer cells versus normal cells to glucose deprivation. Biochemical Journal, 2009, 418, 29-37. | 3.7 | 378 |
| 123 | Mitochondrial electron transport chain blockers enhance 2-deoxy-D-glucose induced oxidative stress and cell killing in human colon carcinoma cells. Cancer Biology and Therapy, 2009, 8, 1228-1236. | 3.4 | 65 |
| 124 | Mitochondrial ROS and radiation induced transformation in mouse embryonic fibroblasts. Cancer Biology and Therapy, 2009, 8, 1962-1971. | 3.4 | 43 |
| 125 | Cigarette Smoke Induces Cellular Senescence via Werner's Syndrome Protein Down-regulation. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 279-287. | 5.6 | 70 |
| 126 | Aging augments mitochondrial susceptibility to heat stress. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R812-R820. | 1.8 | 34 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Glucose deprivation-induced metabolic oxidative stress and cancer therapy. Journal of Cancer Research and Therapeutics, 2009, 5, 2. | 0.9 | 77 |
| 128 | Cisplatin combined with zidovudine enhances cytotoxicity and oxidative stress in human head and neck cancer cells via a thiol-dependent mechanism. Free Radical Biology and Medicine, 2009, 46, 232-237. | 2.9 | 46 |
| 129 | Polychlorinated-biphenyl-induced oxidative stress and cytotoxicity can be mitigated by antioxidants after exposure. Free Radical Biology and Medicine, 2009, 47, 1762-1771. | 2.9 | 69 |
| 130 | Glucose as a prognostic factor in ovarian carcinoma. Cancer, 2009, 115, 1021-1027. | 4.1 | 58 |
| 131 | Radiation Response in Two HPV-Infected Head-and-Neck Cancer Cell Lines in Comparison to a Nonâ€"HPV-Infected Cell Line and Relationship to Signaling Through AKT. International Journal of Radiation Oncology Biology Physics, 2009, 74, 928-933. | 0.8 | 93 |
| 132 | Subacute exposure to N-ethyl perfluorooctanesulfonamidoethanol results in the formation of perfluorooctanesulfonate and alters superoxide dismutase activity in female rats. Archives of Toxicology, 2009, 83, 909-924. | 4.2 | 41 |
| 133 | Amifostine Induces Antioxidant Enzymatic Activities in Normal Tissues and a Transplantable Tumor That Can Affect Radiation Response. International Journal of Radiation Oncology Biology Physics, 2009, 73, 886-896. | 0.8 | 39 |
| 134 | Progestin stimulation of manganese superoxide dismutase and invasive properties in T47D human breast cancer cells. Journal of Steroid Biochemistry and Molecular Biology, 2009, 117, 23-30. | 2.5 | 25 |
| 135 | Fetal programming alters reactive oxygen species production in sheep cardiac mitochondria. Clinical Science, 2009, 116, 659-668. | 4.3 | 16 |
| 136 | Heightened Susceptibility to Influenza Mortality in Immunodeficient Mice Caused by a T-Cell Specific Defect in SOD2.. Blood, 2009, 114, 1655-1655. | 1.4 | 1 |
| 137 | Posttreatment FDG-PET Uptake in the Supraglottic and Glottic Larynx Correlates With Decreased Quality of Life After Chemoradiotherapy. International Journal of Radiation Oncology Biology Physics, 2008, 71, 386-392. | 0.8 | 30 |
| 138 | Î±-Tocopheryl succinate induces apoptosis by targeting ubiquinone-binding sites in mitochondrial respiratory complex II. Oncogene, 2008, 27, 4324-4335. | 5.9 | 266 |
| 139 | 2-Deoxy-d-glucose causes cytotoxicity, oxidative stress, and radiosensitization in pancreatic cancer. Free Radical Biology and Medicine, 2008, 44, 322-331. | 2.9 | 134 |
| 140 | 2-Deoxyglucose combined with wild-type p53 overexpression enhances cytotoxicity in human prostate cancer cells via oxidative stress. Free Radical Biology and Medicine, 2008, 44, 826-834. | 2.9 | 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. Free Radical Biology and Medicine, 2008, 44, 856-867. | 2.9 | 32 |
| 142 | All-trans-retinoic acid induces manganese superoxide dismutase in human neuroblastoma through NF-Î°B. Free Radical Biology and Medicine, 2008, 44, 1610-1616. | 2.9 | 46 |
| 143 | Manganese superoxide dismutase gene dosage affects chromosomal instability and tumor onset in a mouse model of T cell lymphoma. Free Radical Biology and Medicine, 2008, 44, 1677-1686. | 2.9 | 49 |
| 144 | In Memoriam \| Free Radical Biology and Medicine - Volume 45, Issue 2. Free Radical Biology and Medicine, 2008, 45, 95-96. | 2.9 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Decreasing peroxiredoxin II expression decreases glutathione, alters cell cycle distribution, and sensitizes glioma cells to ionizing radiation and H2O2. Free Radical Biology and Medicine, 2008, 45, 1178-1189. | 2.9 | 51 |
| 146 | WR-1065, the active metabolite of amifostine, mitigates radiation-induced delayed genomic instability. Free Radical Biology and Medicine, 2008, 45, 1674-1681. | 2.9 | 38 |
| 147 | A Dynamic Pathway for Calcium-Independent Activation of CaMKII by Methionine Oxidation. Cell, 2008, 133, 462-474. | 28.9 | 951 |
| 148 | Regulation of normal cell cycle progression by flavin-containing oxidases. Oncogene, 2008, 27, 20-31. | 5.9 | 58 |
| 149 | Constitutive ERK MAPK Activity Regulates Macrophage ATP Production and Mitochondrial Integrity. Journal of Immunology, 2008, 180, 7485-7496. | 0.8 | 95 |
| 150 | Hydrogen peroxide mediates the radiation-induced mutator phenotype in mammalian cells. Biochemical Journal, 2008, 413, 185-191. | 3.7 | 62 |
| 151 | SIRT3 interacts with the daf-16 homolog FOXO3a in the Mitochondria, as well as increases FOXO3a Dependent Gene expression. International Journal of Biological Sciences, 2008, 4, 291-299. | 6.4 | 250 |
| 152 | Hyperthermiaâ€induced mitochondrial damage is exacerbated with aging. FASEB Journal, 2008, 22, 956.2. | 0.5 | 0 |
| 153 | Nuclear Factor-ÎºB and Manganese Superoxide Dismutase Mediate Adaptive Radioresistance in Low-Dose Irradiated Mouse Skin Epithelial Cells. Cancer Research, 2007, 67, 3220-3228. | 0.9 | 93 |
| 154 | 2-Deoxy-d-Glucose Combined with Cisplatin Enhances Cytotoxicity via Metabolic Oxidative Stress in Human Head and Neck Cancer Cells. Cancer Research, 2007, 67, 3364-3370. | 0.9 | 215 |
| 155 | Enhanced Response of Human Head and Neck Cancer Xenograft Tumors to Cisplatin Combined With 2-Deoxy-d-Glucose Correlates With Increased 18F-FDG Uptake as Determined by PET Imaging. International Journal of Radiation Oncology Biology Physics, 2007, 69, 1222-1230. | 0.8 | 63 |
| 156 | Increased hepatic telomerase activity in a rat model of iron overload: A role for altered thiol redox state?. Free Radical Biology and Medicine, 2007, 42, 228-235. | 2.9 | 25 |
| 157 | Inhibiting catalase activity sensitizes 36B10 rat glioma cells to oxidative stress. Free Radical Biology and Medicine, 2007, 42, 787-797. | 2.9 | 63 |
| 158 | Redox Signaling in Cancer Biology. Antioxidants and Redox Signaling, 2006, 8, 1249-1252. | 5.4 | 182 |
| 159 | Alterations in heat-induced radiosensitization accompanied by nuclear structure alterations in Chinese hamster cells. International Journal of Hyperthermia, 2006, 22, 43-60. | 2.5 | 13 |
| 160 | Adaptive Responses to Low-Dose/Low-Dose-Rate Î³ Rays in Normal Human Fibroblasts: The Role of Growth Architecture and Oxidative Metabolism. Radiation Research, 2006, 166, 849-857. | 1.5 | 106 |
| 161 | Mutation of Succinate Dehydrogenase Subunit C Results in Increased O2Â·âˆ’, Oxidative Stress, and Genomic Instability. Cancer Research, 2006, 66, 7615-7620. | 0.9 | 178 |
| 162 | Glutathione peroxidase-1 inhibits UVA-induced AP-2Î± expression in human keratinocytes. Biochemical and Biophysical Research Communications, 2006, 351, 1066-1071. | 2.1 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Thioredoxin reductase as a novel molecular target for cancer therapy. Cancer Letters, 2006, 236, 164-174. | 7.2 | 148 |
| 164 | Mechanisms of H2O2-induced oxidative stress in endothelial cells. Free Radical Biology and Medicine, 2006, 40, 2206-2213. | 2.9 | 123 |
| 165 | Overexpression of manganese or copperâ€"zinc superoxide dismutase inhibits breast cancer growth. Free Radical Biology and Medicine, 2006, 41, 226-237. | 2.9 | 169 |
| 166 | Inhibition of Glutamate Cysteine Ligase Activity Sensitizes Human Breast Cancer Cells to the Toxicity of 2-Deoxy-d-Glucose. Cancer Research, 2006, 66, 1605-1610. | 0.9 | 61 |
| 167 | Inactivation of Primary Antioxidant Enzymes in Mouse Keratinocytes by Photodynamically Generated Singlet Oxygen. Antioxidants and Redox Signaling, 2006, 8, 1307-1314. | 5.4 | 18 |
| 168 | Mitochondrial Production of Reactive Oxygen Species Mediate Dicumarol-induced Cytotoxicity in Cancer Cells. Journal of Biological Chemistry, 2006, 281, 37416-37426. | 3.4 | 61 |
| 169 | Calcium-dependent Modulation of Poly(ADP-ribose) Polymerase-1 Alters Cellular Metabolism and DNA Repair. Journal of Biological Chemistry, 2006, 281, 33684-33696. | 3.4 | 113 |
| 170 | Manganese superoxide dismutase suppresses hypoxic induction of hypoxia-inducible factor-1Î± and vascular endothelial growth factor. Oncogene, 2005, 24, 8154-8166. | 5.9 | 130 |
| 171 | Nitric oxide-induced resistance to hydrogen peroxide stress is a glutamate cysteine ligase activity-dependent process. Free Radical Biology and Medicine, 2005, 38, 1361-1371. | 2.9 | 26 |
| 172 | Hepatitis C virus-core and non structural proteins lead to different effects on cellular antioxidant defenses. Journal of Medical Virology, 2005, 76, 489-497. | 5.0 | 109 |
| 173 | Thiol supplementation in aged animals alters antioxidant enzyme activity after heat stress. Journal of Applied Physiology, 2005, 99, 2271-2277. | 2.5 | 22 |
| 174 | Aging reduces responsiveness to BSO- and heat stress-induced perturbations of glutathione and antioxidant enzymes. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 289, R1035-R1041. | 1.8 | 24 |
| 175 | Myeloperoxidase-Generated Oxidants Modulate Left Ventricular Remodeling but Not Infarct Size After Myocardial Infarction. Circulation, 2005, 112, 2812-2820. | 1.6 | 163 |
| 176 | Inactivation of Anthracyclines by Cellular Peroxidase. Cancer Research, 2005, 65, 6346-6353. | 0.9 | 22 |
| 177 | Differential Susceptibility of Nonmalignant Human Breast Epithelial Cells and Breast Cancer Cells to Thiol Antioxidant-Induced G1-Delay. Antioxidants and Redox Signaling, 2005, 7, 711-718. | 5.4 | 40 |
| 178 | Contribution of Mitochondrial DNA Repair to Cell Resistance from Oxidative Stress. Journal of Biological Chemistry, 2005, 280, 8901-8905. | 3.4 | 38 |
| 179 | Mitochondrial O2â‹…Â¯ and H2O2 Mediate Glucose Deprivation-induced Stress in Human Cancer Cells. Journal of Biological Chemistry, 2005, 280, 4254-4263. | 3.4 | 225 |
| 180 | Oxidative stress-induced apoptosis in neurons correlates with mitochondrial DNA base excision repair pathway imbalance. Nucleic Acids Research, 2005, 33, 4660-4671. | 14.5 | 98 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | The Role of Low Molecular Weight Thiols in T Lymphocyte Proliferation and IL-2 Secretion. Journal of Immunology, 2005, 175, 7965-7972. | 0.8 | 78 |
| 182 | High Levels of Catalase and Glutathione Peroxidase Activity Dampen H2O2Signaling in Human Alveolar Macrophages. American Journal of Respiratory Cell and Molecular Biology, 2004, 31, 43-53. | 2.9 | 60 |
| 183 | Thermal stress and the disruption of redox-sensitive signalling and transcription factor activation: possible role in radiosensitization. International Journal of Hyperthermia, 2004, 20, 213-223. | 2.5 | 11 |
| 184 | Inhibition of glucose metabolism in pancreatic cancer induces cytotoxicty via metabolic oxidative stress. Journal of the American College of Surgeons, 2004, 199, 24. | 0.5 | 2 |
| 185 | Metabolic oxidation/reduction reactions and cellular responses to ionizing radiation: A unifying concept in stress response biology. Cancer and Metastasis Reviews, 2004, 23, 311-322. | 5.9 | 584 |
| 186 | Increased prooxidant production and enhanced susceptibility to glutathione depletion in HepG2 cells co-expressing HCV core protein and CYP2E1. Journal of Medical Virology, 2004, 72, 230-240. | 5.0 | 39 |
| 187 | Evaluation of Parameters of Oxidative Stress afterIn VitroExposure to FMCW- and CDMA-Modulated Radiofrequency Radiation Fields. Radiation Research, 2004, 162, 497-504. | 1.5 | 45 |
| 188 | Pseudomonas aeruginosapyocyanin directly oxidizes glutathione and decreases its levels in airway epithelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 287, L94-L103. | 2.9 | 141 |
| 189 | Treatment of Pancreatic Cancer Cells with Dicumarol Induces Cytotoxicity and Oxidative Stress. Clinical Cancer Research, 2004, 10, 4550-4558. | 7.0 | 63 |
| 190 | Heat shock and the activation of AP-1 and inhibition of NF-ÎºB DNA-binding activity: possible role of intracellular redox status. International Journal of Hyperthermia, 2004, 20, 224-233. | 2.5 | 23 |
| 191 | Response of cyclin B1 to ionizing radiation: regulation by NF-kappaB and mitochondrial antioxidant enzyme MnSOD. Anticancer Research, 2004, 24, 2657-63. | 1.1 | 29 |
| 192 | Evidence for oxidative stress in NSAID-induced colitis in IL10âˆ’/âˆ’ mice. Free Radical Biology and Medicine, 2003, 34, 1153-1166. | 2.9 | 34 |
| 193 | Effect of iron overload and dietary fat on indices of oxidative stress and hepatic fibrogenesis in rats. Liver International, 2003, 23, 232-242. | 3.9 | 56 |
| 194 | Reconstitution of galectin-3 alters glutathione content and potentiates TRAIL-induced cytotoxicity by dephosphorylation of Akt. Experimental Cell Research, 2003, 288, 21-34. | 2.6 | 48 |
| 195 | Intracellular Thiols Contribute to Th2 Function via a Positive Role in IL-4 Production. Journal of Immunology, 2003, 171, 5107-5115. | 0.8 | 20 |
| 196 | Manganese Superoxide Dismutase-Mediated Gene Expression in Radiation-Induced Adaptive Responses. Molecular and Cellular Biology, 2003, 23, 2362-2378. | 2.3 | 263 |
| 197 | The role of manganese superoxide dismutase in the growth of pancreatic adenocarcinoma. Cancer Research, 2003, 63, 1297-303. | 0.9 | 155 |
| 198 | Redox regulation of the G1 to S phase transition in the mouse embryo fibroblast cell cycle. Cancer Research, 2003, 63, 2109-17. | 0.9 | 180 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | 2-Deoxy-D-glucose-induced cytotoxicity and radiosensitization in tumor cells is mediated via disruptions in thiol metabolism. Cancer Research, 2003, 63, 3413-7. | 0.9 | 106 |
| 200 | Accumulation of Glutathione Disulfide Mediates NF-ÎºB Activation During Immune Stimulation with CpG DNA. Oligonucleotides, 2002, 12, 327-340. | 4.3 | 15 |
| 201 | Role of Glutaredoxin in Metabolic Oxidative Stress. Journal of Biological Chemistry, 2002, 277, 46566-46575. | 3.4 | 240 |
| 202 | Superoxide Mediates the Actions of Angiotensin II in the Central Nervous System. Circulation Research, 2002, 91, 1038-1045. | 4.5 | 362 |
| 203 | Mammalian Resistance to Oxidative Stress: A Comparative Analysis. Gene Expression, 2002, 10, 179-191. | 1.2 | 13 |
| 204 | Redox Control of Cell Cycle-Coupled Topoisomerase IIÎ± Gene Expression. Methods in Enzymology, 2002, 353, 448-459. | 1.0 | 2 |
| 205 | Stress protection by a fluorescent Hsp27 chimera that is independent of nuclear translocation or multimeric dissociation. Cell Stress and Chaperones, 2002, 7, 281. | 2.9 | 30 |
| 206 | Redox-sensitive interaction between KIAA0132 and Nrf2 mediates indomethacin-induced expression of Î³-glutamylcysteine synthetase. Free Radical Biology and Medicine, 2002, 32, 650-662. | 2.9 | 72 |
| 207 | Evidence that protein disulfide isomerase (PDI) is involved in DNA-nuclear matrix anchoring. Journal of Cellular Biochemistry, 2002, 85, 689-702. | 2.6 | 22 |
| 208 | Thioredoxin reductase regulates AP-1 activity as well as thioredoxin nuclear localization via active cysteines in response to ionizing radiation. Oncogene, 2002, 21, 6317-6327. | 5.9 | 106 |
| 209 | Oxidative metabolism modulates signal transduction and micronucleus formation in bystander cells from alpha-particle-irradiated normal human fibroblast cultures. Cancer Research, 2002, 62, 5436-42. | 0.9 | 262 |
| 210 | Measurement of Mn SOD and Cu Zn SOD Activity in Mammalian Tissue Homogenates. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al ], 2001, 8, Unit7.5. | 1.1 | 19 |
| 211 | Cytometric methods to analyze thermal effects. Methods in Cell Biology, 2001, 64, 269-286. | 1.1 | 2 |
| 212 | Serial changes in tumor oxygenation during the early phase of radiation therapy in cervical cancerâ€"are we quantitating hypoxia change? re: Lyng et al., IJROBP 2000; 46:935â€"946. International Journal of Radiation Oncology Biology Physics, 2001, 49, 282-285. | 0.8 | 2 |
| 213 | H2O2-induced Oâ¨ª2Production by a Non-phagocytic NAD(P)H Oxidase Causes Oxidant Injury. Journal of Biological Chemistry, 2001, 276, 29251-29256. | 3.4 | 236 |
| 214 | A Spectrophotometric Method for the Direct Detection and Quantitation of Nitric Oxide, Nitrite, and Nitrate in Cell Culture Media. Analytical Biochemistry, 2000, 281, 223-229. | 2.4 | 170 |
| 215 | Glial cell type-specific responses to menadione-induced oxidative stress. Free Radical Biology and Medicine, 2000, 28, 1161-1174. | 2.9 | 171 |
| 216 | Dominant-negative Jun N-terminal protein kinase (JNK-1) inhibits metabolic oxidative stress during glucose deprivation in a human breast carcinoma cell line. Free Radical Biology and Medicine, 2000, 28, 575-584. | 2.9 | 27 |

| # | Article | IF | Citations |
|---|---|---|---|
| 217 | A Role for Oxidative Stress in Suppressing Serum Immunoglobulin Levels in Lead-Exposed Fisher 344 Rats. Archives of Environmental Contamination and Toxicology, 2000, 39, 251-256. | 4.1 | 86 |
| 218 | Cell Cycle-coupled Variation in Topoisomerase IIÎ± mRNA Is Regulated by the 3â€²-Untranslated Region. Journal of Biological Chemistry, 2000, 275, 38384-38392. | 3.4 | 65 |
| 219 | An alternative method to stereotactic inoculation of transplantable brain tumours in large numbers of rats. Laboratory Animals, 2000, 34, 265-271. | 1.0 | 3 |
| 220 | Glucose Deprivationâ€Induced Oxidative Stress in Human Tumor Cells: A Fundamental Defect in Metabolism?. Annals of the New York Academy of Sciences, 2000, 899, 349-362. | 3.8 | 288 |
| 221 | Metabolic oxidative stress activates signal transduction and gene expression during glucose deprivation in human tumor cells. Free Radical Biology and Medicine, 1999, 26, 419-430. | 2.9 | 143 |
| 222 | [22] Measurement of glutathione, glutathione disulfide, and other thiols in mammalian cell and tissue homogenates using high-performance liquid chromatography separation of N-(1-pyrenyl)maleimide derivatives. Methods in Enzymology, 1999, 299, 258-267. | 1.0 | 45 |
| 223 | Redox Factor-1 (Ref-1) Mediates the Activation of AP-1 in HeLa and NIH 3T3 Cells in Response to Heat Shock. Journal of Biological Chemistry, 1999, 274, 16959-16964. | 3.4 | 52 |
| 224 | Radiofrequency Electromagnetic Fields Have No Effect on the In Vivo Proliferation of the 9L Brain Tumor. Radiation Research, 1999, 152, 665. | 1.5 | 35 |
| 225 | Enhanced Î³-Glutamyl Transpeptidase Expression and Selective Loss of CuZn Superoxide Dismutase in Hepatic Iron Overload. Free Radical Biology and Medicine, 1998, 24, 545-555. | 2.9 | 60 |
| 226 | Increased lipid peroxidation and impaired antioxidant enzyme function is associated with pathological liver injury in experimental alcoholic liver disease in rats fed diets high in corn oil and fish oil. Hepatology, 1998, 27, 1317-1323. | 7.3 | 276 |
| 227 | Antioxidant effects of N-acetylcysteine and succimer in red blood cells from lead-exposed rats. Toxicology, 1998, 128, 181-189. | 4.2 | 188 |
| 228 | Glucose Deprivation-induced Cytotoxicity and Alterations in Mitogen-activated Protein Kinase Activation Are Mediated by Oxidative Stress in Multidrug-resistant Human Breast Carcinoma Cells. Journal of Biological Chemistry, 1998, 273, 5294-5299. | 3.4 | 195 |
| 229 | Bcl-2 and Bcl-xL in Peroxide-Resistant A549 and U87MG Cells. Toxicological Sciences, 1998, 42, 109-116. | 3.1 | 24 |
| 230 | Oxygen toxicity and iron accumulation in the lungs of mice lacking heme oxygenase-2.. Journal of Clinical Investigation, 1998, 101, 1001-1011. | 8.2 | 201 |
| 231 | Heme Oxygenase-mediated Resistance to Oxygen Toxicity in Hamster Fibroblasts. Journal of Biological Chemistry, 1997, 272, 14937-14942. | 3.4 | 130 |
| 232 | Expression of Glutathione and Î³-Glutamylcysteine Synthetase mRNA Is Jun Dependent. Biochemical and Biophysical Research Communications, 1997, 234, 588-593. | 2.1 | 92 |
| 233 | Oleic Acid Incorporation Protects Cultured Hamster Fibroblasts from Oxygen-Induced Cytotoxicity. Journal of Nutrition, 1996, 126, 2952-2959. | 2.9 | 8 |
| 234 | Expression of stress response genes GADD153, c-jun, and Heme Oxygenase-1 in H2O2 and O2-resistant fibroblasts. Free Radical Biology and Medicine, 1996, 20, 735-741. | 2.9 | 30 |

| # | Article | IF | Citations |
|---|---|---|---|
| 235 | In vivo indices of oxidative stress in lead-exposed C57BL/6 mice are reduced by treatment with meso-2,3-Dimercaptosuccinic Acid or N-acetylcysteine. Free Radical Biology and Medicine, 1996, 21, 157-161. | 2.9 | 145 |
| 236 | High-performance liquid chromatography assay for N-acetylcysteine in biological samples following derivatization with N-(1-pyrenyl)maleimide. Biomedical Applications, 1996, 685, 329-334. | 1.7 | 35 |
| 237 | Analysis of Glutathione, Glutathione Disulfide, Cysteine, Homocysteine, and Other Biological Thiols by High-Performance Liquid Chromatography Following Derivatization by N-(1-Pyrenyl)maleimide. Analytical Biochemistry, 1995, 227, 14-21. | 2.4 | 203 |
| 238 | Contribution of increased glutathione content to mechanisms of oxidative stress resistance in hydrogen peroxide resistant hamster fibroblasts. Journal of Cellular Physiology, 1995, 165, 600-609. | 4.1 | 42 |
| 239 | Hyperbilirubinemia results in reduced oxidative injury in neonatal gunn rats exposed to hyperoxia. Free Radical Biology and Medicine, 1995, 19, 395-404. | 2.9 | 175 |
| 240 | Nitric Oxide-Induced Cytotoxicity: Involvement of Cellular Resistance to Oxidative Stress and the Role of Glutathione in Protection. Pediatric Research, 1995, 37, 41-49. | 2.3 | 112 |
| 241 | Cellular resistance to oxidative stress is accompanied by resistance to cisplatin: The significance of increased catalase activity and total glutathione in hydrogen peroxide-resistant fibroblasts. Journal of Cellular Physiology, 1993, 156, 72-79. | 4.1 | 65 |
| 242 | Establishment of a Hydrogen Peroxide Resistant Variant of Renal Tubular Epithelial Cells: Role of Calcium-Independent Phospholipase A2 in Cell Damage. Archives of Biochemistry and Biophysics, 1993, 301, 119-128. | 3.0 | 26 |
| 243 | A Hindu nationalist view of Baltic history. Journal of Baltic Studies, 1993, 24, 295-298. | 0.4 | 1 |
| 244 | The Effect of Monosaturated and Polyunsaturated Fatty Acids on Oxygen Toxicity in Cultured Cells. Pediatric Research, 1992, 32, 366-372. | 2.3 | 30 |
| 245 | Hypoxia and Resistance to Hydrogen Peroxide Confer Resistance to Tumor Necrosis Factor in Murine L929 Cells. Radiation Research, 1992, 131, 162. | 1.5 | 17 |
| 246 | Mechanisms of cellular resistance to hydrogen peroxide, hyperoxia, and 4-hydroxy-2-nonenal toxicity: The significance of increased catalase activity in H2O2-resistant fibroblasts. Archives of Biochemistry and Biophysics, 1992, 292, 221-227. | 3.0 | 88 |
| 247 | Trace quantitation of 4-hydroxy-2-nonenal in biological samples as its oximeâ€"bis-tert.-butyldimethylsilyl derivative using 3-hydroxynonanal as an internal standard. Biomedical Applications, 1992, 578, 9-16. | 1.7 | 19 |
| 248 | The world looks at the Baltic: South Indian perspectives, spring 1991. Journal of Baltic Studies, 1991, 22, 183-186. | 0.4 | 3 |
| 249 | Glutathione dependent metabolism and detoxification of 4-hydroxy-2-nonenal. Free Radical Biology and Medicine, 1991, 11, 415-423. | 2.9 | 88 |
| 250 | Replacement of media in cell culture alters oxygen toxicity: Possible role of lipid aldehydes and glutathione transferases in oxygen toxicity. Journal of Cellular Physiology, 1991, 147, 427-433. | 4.1 | 23 |
| 251 | CELLULAR RESISTANCE TO AND METABOLISM OF 4-HYDROXY-2-NONENAL: A ROLE FOR GLUTATHIONE AND GLUTATHIONE TRANSFERASE. , 1991, , 624-628. | | 0 |
| 252 | Heat-induced cytotoxicity in H2O2-resistant Chinese hamster fibroblasts. Journal of Cellular Physiology, 1990, 142, 255-260. | 4.1 | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 253 | Does Heat Shock Enhance Oxidative Stress? Studies with Ferrous and Ferric Iron. Radiation Research, 1990, 124, 288. | 1.5 | 55 |
| 254 | Oxygen toxicity in control and H2O2-resistant Chinese hamster fibroblast cell lines. Archives of Biochemistry and Biophysics, 1990, 279, 249-260. | 3.0 | 103 |
| 255 | Relationship between changes in ploidy and stable cellular resistance to hydrogen peroxide. Journal of Cellular Physiology, 1989, 139, 592-598. | 4.1 | 41 |
| 256 | An assay for superoxide dismutase activity in mammalian tissue homogenates. Analytical Biochemistry, 1989, 179, 8-18. | 2.4 | 630 |
| 257 | Stable H 2 O 2 -Resistant Variants of Chinese Hamster Fibroblasts Demonstrate Increases in Catalase Activity. Radiation Research, 1988, 114, 114. | 1.5 | 67 |
| 258 | Hydrogen peroxide or heat shock induces resistance to hydrogen peroxide in Chinese hamster fibroblasts. Journal of Cellular Physiology, 1987, 131, 364-373. | 4.1 | 217 |
| 259 | [61] Assay of superoxide dismutase activity in tumor tissue. Methods in Enzymology, 1984, 105, 457-464. | 1.0 | 355 |