# Garry R Buettner

List of Publications by Year
in descending order

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|---|---|---|---|
| 225 papers | 23,994 citations | 10389 72 h-index | 7745 150 g-index |
| 247 all docs | 247 docs citations | 247 times ranked | 25370 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | TREMâ€1 is required for enhanced OpZâ€induced superoxide generation following priming. Journal of Leukocyte Biology, 2022, , . | 3.3 | 1 |
| 2 | Oxidation of ferumoxytol by ionizing radiation releases iron. An electron paramagnetic resonance study. Journal of Radiation Research, 2022, 63, 378-384. | 1.6 | 6 |
| 3 | 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 |
| 4 | 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 |
| 5 | Pharmacological ascorbate and use in pancreatic cancer. , 2021, , 515-521. | | 0 |
| 6 | N-alkyl triphenylvinylpyridinium conjugated dihydroartemisinin perturbs mitochondrial functions resulting in enhanced cancer versus normal cell toxicity. Free Radical Biology and Medicine, 2021, 165, 421-434. | 2.9 | 2 |
| 7 | Catalase Modulates the Radio-Sensitization of Pancreatic Cancer Cells by Pharmacological Ascorbate. Antioxidants, 2021, 10, 614. | 5.1 | 4 |
| 8 | 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 |
| 9 | 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 |
| 10 | Prolonged Reactive Oxygen Species Production following Septic Insult. ImmunoHorizons, 2021, 5, 477-488. | 1.8 | 14 |
| 11 | Red blood cells contain enzymatically active GPx4 whose abundance anticorrelates with hemolysis during blood bank storage. Redox Biology, 2021, 46, 102073. | 9.0 | 15 |
| 12 | Electron Spin Resonance Evaluation of Buccal Membrane Fluidity Alterations by Sodium Caprylate and L-Menthol. International Journal of Molecular Sciences, 2021, 22, 10708. | 4.1 | 6 |
| 13 | Utilization of Pharmacological Ascorbate to Enhance Hydrogen Peroxide-Mediated Radiosensitivity in Cancer Therapy. International Journal of Molecular Sciences, 2021, 22, 10880. | 4.1 | 9 |
| 14 | Exposure to Static Magnetic and Electric Fields Treats Type 2 Diabetes. Cell Metabolism, 2020, 32, 561-574.e7. | 16.2 | 55 |
| 15 | 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 |
| 16 | The latency of peroxisomal catalase in terms of effectiveness factor for pancreatic and glioblastoma cancer cell lines in the presence of high concentrations of H2O2: Implications for the use of pharmacological ascorbate in cancer therapy. Free Radical Biology and Medicine, 2020, 156, 20-25. | 2.9 | 4 |
| 17 | Understanding the Redox Biology of Selenium in the Search of Targeted Cancer Therapies. Antioxidants, 2020, 9, 420. | 5.1 | 29 |
| 18 | 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 |

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|---|---|---|---|
| 19 | Dual Oxidase-Induced Sustained Generation of Hydrogen Peroxide Contributes to Pharmacologic Ascorbate-Induced Cytotoxicity. Cancer Research, 2020, 80, 1401-1413. | 0.9 | 26 |
| 20 | Hydrogen Peroxide Mediates Artemisinin-Derived C-16 Carba-Dimer-Induced Toxicity of Human Cancer Cells. Antioxidants, 2020, 9, 108. | 5.1 | 3 |
| 21 | Simultaneous detection of the enzyme activities of GPx1 and GPx4 guide optimization of selenium in cell biological experiments. Redox Biology, 2020, 32, 101518. | 9.0 | 34 |
| 22 | Triphenylphosphonium derivatives disrupt metabolism and inhibit melanoma growth in vivo when delivered via a thermosensitive hydrogel. PLoS ONE, 2020, 15, e0244540. | 2.5 | 6 |
| 23 | Linking Cancer Metabolic Dysfunction and Genetic Instability through the Lens of Iron Metabolism. Cancers, 2019, 11, 1077. | 3.7 | 43 |
| 24 | 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 |
| 25 | 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 |
| 26 | Metadherin enhances vulnerability of cancer cells to ferroptosis. Cell Death and Disease, 2019, 10, 682. | 6.3 | 44 |
| 27 | 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 |
| 28 | Nox2 NADPH oxidase is dispensable for platelet activation or arterial thrombosis in mice. Blood Advances, 2019, 3, 1272-1284. | 5.2 | 34 |
| 29 | Pharmacologic Ascorbate Primes Pancreatic Cancer Cells for Death by Rewiring Cellular Energetics and Inducing DNA Damage. Molecular Cancer Research, 2019, 17, 2102-2114. | 3.4 | 21 |
| 30 | In vitro Cytotoxicity and Pharmacokinetic Evaluation of Pharmacological Ascorbate in Dogs. Frontiers in Veterinary Science, 2019, 6, 385. | 2.2 | 16 |
| 31 | 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 |
| 32 | The relationship between vitamin C status, the gut-liver axis, and metabolic syndrome. Redox Biology, 2019, 21, 101091. | 9.0 | 52 |
| 33 | Methylseleninic Acid Induces Lipid Peroxidation and Radiation Sensitivity in Head and Neck Cancer Cells. International Journal of Molecular Sciences, 2019, 20, 225. | 4.1 | 15 |
| 34 | 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 |
| 35 | Pharmacologic ascorbate (P-AscHâ¯) suppresses hypoxia-inducible Factor-1Î± (HIF-1Î±) in pancreatic adenocarcinoma. Clinical and Experimental Metastasis, 2018, 35, 37-51. | 3.3 | 25 |
| 36 | Calculated cell-specific intracellular hydrogen peroxide concentration: Relevance in cancer cell susceptibility during ascorbate therapy. Free Radical Biology and Medicine, 2018, 120, 356-367. | 2.9 | 12 |

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| 37 | 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 |
| 38 | 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 |
| 39 | Enhanced Pharmacological Ascorbate Oxidation Radiosensitizes Pancreatic Cancer. Radiation Research, 2018, 191, 43. | 1.5 | 13 |
| 40 | Pharmacologic Ascorbate Reduces Radiation-Induced Normal Tissue Toxicity and Enhances Tumor Radiosensitization in Pancreatic Cancer. Cancer Research, 2018, 78, 6838-6851. | 0.9 | 83 |
| 41 | Extracellular superoxide dismutase (SOD3) regulates oxidative stress at the vitreoretinal interface. Free Radical Biology and Medicine, 2018, 124, 408-419. | 2.9 | 32 |
| 42 | 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 |
| 43 | 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 |
| 44 | Mitofusin 1 and optic atrophy 1 shift metabolism to mitochondrial respiration during aging. Aging Cell, 2017, 16, 1136-1145. | 6.7 | 50 |
| 45 | Peroxiporin Expression Is an Important Factor for Cancer Cell Susceptibility to Therapeutic H2O2: Implications for Pharmacological Ascorbate Therapy. PLoS ONE, 2017, 12, e0170442. | 2.5 | 35 |
| 46 | Tumor cells have decreased ability to metabolize H2O2: Implications for pharmacological ascorbate in cancer therapy. Redox Biology, 2016, 10, 274-284. | 9.0 | 231 |
| 47 | Antioxidant-Mediated Modulation of Protein Reactivity for 3,4-Dihydroxyphenylacetaldehyde, a Toxic Dopamine Metabolite. Chemical Research in Toxicology, 2016, 29, 1098-1107. | 3.3 | 24 |
| 48 | Direct spectrophotometric measurement of supra-physiological levels of ascorbate in plasma. Redox Biology, 2016, 8, 298-304. | 9.0 | 20 |
| 49 | Succinate dehydrogenase activity regulates PCB3-quinone-induced metabolic oxidative stress and toxicity in HaCaT human keratinocytes. Archives of Toxicology, 2016, 90, 319-332. | 4.2 | 30 |
| 50 | Breaking the dogma: PCB-derived semiquinone free radicals do not form covalent adducts with DNA, GSH, and amino acids. Environmental Science and Pollution Research, 2016, 23, 2138-2147. | 5.3 | 4 |
| 51 | The Selective Toxicity of Pharmacological Ascorbate Is Mediated by Alterations in Iron Metabolism. Free Radical Biology and Medicine, 2015, 87, S72-S73. | 2.9 | 0 |
| 52 | In vivo imaging of free radicals produced by multivitamin-mineral supplements. BMC Nutrition, 2015, 1, . | 1.6 | 1 |
| 53 | The heritability of hemolysis in stored human red blood cells. Transfusion, 2015, 55, 1178-1185. | 1.6 | 77 |
| 54 | Monohydroxylated Polybrominated Diphenyl Ethers (OH-PBDEs) and Dihydroxylated Polybrominated Biphenyls (Di-OH-PBBs): Novel Photoproducts of 2,6-Dibromophenol. Environmental Science & Technology, 2015, 49, 14120-14128. | 10.0 | 20 |

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| 55 | Loss of SOD3 (EcSOD) Expression Promotes an Aggressive Phenotype in Human Pancreatic Ductal Adenocarcinoma. Clinical Cancer Research, 2015, 21, 1741-1751. | 7.0 | 58 |
| 56 | 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 |
| 57 | Manganoporphyrins and ascorbate enhance gemcitabine cytotoxicity in pancreatic cancer. Free Radical Biology and Medicine, 2015, 83, 227-237. | 2.9 | 31 |
| 58 | Role of labile iron in the toxicity of pharmacological ascorbate. Free Radical Biology and Medicine, 2015, 84, 289-295. | 2.9 | 57 |
| 59 | Pharmacological Ascorbate Radiosensitizes Pancreatic Cancer. Cancer Research, 2015, 75, 3314-3326. | 0.9 | 89 |
| 60 | Moving free radical and redox biology ahead in the next decade(s). Free Radical Biology and Medicine, 2015, 78, 236-238. | 2.9 | 20 |
| 61 | Moles of a Substance per Cell Is a Highly Informative Dosing Metric in Cell Culture. PLoS ONE, 2015, 10, e0132572. | 2.5 | 49 |
| 62 | The heritability of metabolite concentrations in stored human red blood cells. Transfusion, 2014, 54, 2055-2063. | 1.6 | 59 |
| 63 | The â€˜mitoflashâ€™ probe cpYFP does not respond to superoxide. Nature, 2014, 514, E12-E14. | 27.8 | 109 |
| 64 | SIRT3 deacetylates and increases pyruvate dehydrogenase activity in cancer cells. Free Radical Biology and Medicine, 2014, 76, 163-172. | 2.9 | 156 |
| 65 | Forkhead Box M1 Regulates Quiescence-Associated Radioresistance of Human Head and Neck Squamous Carcinoma Cells. Radiation Research, 2014, 182, 420. | 1.5 | 21 |
| 66 | Heritability of glutathione and related metabolites in stored red blood cells. Free Radical Biology and Medicine, 2014, 76, 107-113. | 2.9 | 63 |
| 67 | Pharmacological ascorbate and ionizing radiation (IR) increase labile iron in pancreatic cancer. Redox Biology, 2014, 2, 22-27. | 9.0 | 38 |
| 68 | Extracellular superoxide dismutase suppresses hypoxia-inducible factor-1Î± in pancreatic cancer. Free Radical Biology and Medicine, 2014, 69, 357-366. | 2.9 | 33 |
| 69 | Regulation of pancreatic cancer growth by superoxide. Molecular Carcinogenesis, 2013, 52, 555-567. | 2.7 | 40 |
| 70 | Quantitative Redox Biology: An Approach to Understand the Role of Reactive Species in Defining the Cellular Redox Environment. Cell Biochemistry and Biophysics, 2013, 67, 477-483. | 1.8 | 77 |
| 71 | Pharmacological ascorbate with gemcitabine for the control of metastatic and node-positive pancreatic cancer (PACMAN): results from a phase I clinical trial. Cancer Chemotherapy and Pharmacology, 2013, 71, 765-775. | 2.3 | 239 |
| 72 | The concentration of glutathione in human erythrocytes is a heritable trait. Free Radical Biology and Medicine, 2013, 65, 742-749. | 2.9 | 84 |

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| 73 | An assay for the rate of removal of extracellular hydrogen peroxide by cells. Redox Biology, 2013, 1, 210-217. | 9.0 | 52 |
| 74 | Inhibitors of hydroperoxide metabolism enhance ascorbate-induced cytotoxicity. Free Radical Research, 2013, 47, 154-163. | 3.3 | 53 |
| 75 | CaMKII Is Essential for the Proasthmatic Effects of Oxidation. Science Translational Medicine, 2013, 5, 195ra97. | 12.4 | 54 |
| 76 | Manganoporphyrins Increase Ascorbate-Induced Cytotoxicity by Enhancing H2O2 Generation. Cancer Research, 2013, 73, 5232-5241. | 0.9 | 68 |
| 77 | Interleukin-6 counteracts therapy-induced cellular oxidative stress in multiple myeloma by up-regulating manganese superoxide dismutase. Biochemical Journal, 2012, 444, 515-527. | 3.7 | 37 |
| 78 | Manganese Superoxide Dismutase Regulates a Metabolic Switch during the Mammalian Cell Cycle. Cancer Research, 2012, 72, 3807-3816. | 0.9 | 58 |
| 79 | Heme Oxygenaseâ€1 Is Protective Against Nonsteroidal Antiâ€inflammatory Drugâ€“induced Gastric Ulcers. Journal of Pediatric Gastroenterology and Nutrition, 2012, 54, 471-476. | 1.8 | 31 |
| 80 | Ascorbic acid: Chemistry, biology and the treatment of cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2012, 1826, 443-457. | 7.4 | 635 |
| 81 | MnSOD activity regulates hydroxytyrosol-induced extension of chronological lifespan. Age, 2012, 34, 95-109. | 3.0 | 34 |
| 82 | 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 |
| 83 | The rate of oxygen utilization by cells. Free Radical Biology and Medicine, 2011, 51, 700-712. | 2.9 | 280 |
| 84 | Superoxide Dismutase in Redox Biology: The Roles of Superoxide and Hydrogen Peroxide. Anti-Cancer Agents in Medicinal Chemistry, 2011, 11, 341-346. | 1.7 | 259 |
| 85 | Oxidation of 3,4-Dihydroxyphenylacetaldehyde, a Toxic Dopaminergic Metabolite, to a Semiquinone Radical and an ortho-Quinone. Journal of Biological Chemistry, 2011, 286, 26978-26986. | 3.4 | 89 |
| 86 | Chitosan gallate as a novel potential polysaccharide antioxidant: an EPR study. Carbohydrate Research, 2010, 345, 132-140. | 2.3 | 131 |
| 87 | Observation of an unusual electronically distorted semiquinone radical of PCB metabolites in the active site of prostaglandin H synthase-2. Chemosphere, 2010, 81, 1501-1508. | 8.2 | 4 |
| 88 | Thermodynamic and kinetic considerations for the reaction of semiquinone radicals to form superoxide and hydrogen peroxide. Free Radical Biology and Medicine, 2010, 49, 919-962. | 2.9 | 281 |
| 89 | Free radicals produced by the oxidation of gallic acid: An electron paramagnetic resonance study. Chemistry Central Journal, 2010, 4, 15. | 2.6 | 115 |
| 90 | Introduction to the Symposium-in-Print: Photobiology of the Skin and Eye in Memory of Colin F. Chignell. Photochemistry and Photobiology, 2010, 86, 740-741. | 2.5 | 0 |

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|---|---|---|---|
| 91 | Mechanisms of Ascorbate-Induced Cytotoxicity in Pancreatic Cancer. Clinical Cancer Research, 2010, 16, 509-520. | 7.0 | 272 |
| 92 | Minimization of free radical damage by metal catalysis of multivitamin/multimineral supplements. Nutrition Journal, 2010, 9, 61. | 3.4 | 9 |
| 93 | Nonenzymatic displacement of chlorine and formation of free radicals upon the reaction of glutathione with PCB quinones. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9725-9730. | 7.1 | 108 |
| 94 | Endosomal Nox2 Facilitates Redox-Dependent Induction of NF-Î¹B by TNF-Î±. Antioxidants and Redox Signaling, 2009, 11, 1249-1263. | 5.4 | 102 |
| 95 | Aging augments mitochondrial susceptibility to heat stress. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R812-R820. | 1.8 | 34 |
| 96 | UVA/B-Induced Formation of Free Radicals from Decabromodiphenyl Ether. Environmental Science & Technology, 2009, 43, 2581-2588. | 10.0 | 48 |
| 97 | Deficiency of MnSOD in Hematopoietic Stem Cells Causes a Sideroblastic Anemia-Like Phenotype.. Blood, 2009, 114, 1991-1991. | 1.4 | 0 |
| 98 | Chitosan conjugated with deoxycholic acid and gallic acid: A novel biopolymerâ€based additive antioxidant for polyethylene. Journal of Applied Polymer Science, 2008, 109, 38-46. | 2.6 | 47 |
| 99 | Catalase ameliorates polychlorinated biphenyl-induced cytotoxicity in nonmalignant human breast epithelial cells. Free Radical Biology and Medicine, 2008, 45, 1094-1102. | 2.9 | 32 |
| 100 | Iron supplements and oxidative stress in very low birth weight infants. Journal of Pediatrics, 2008, 152, 890-891. | 1.8 | 1 |
| 101 | Semiquinone Radicals from Oxygenated Polychlorinated Biphenyls: Electron Paramagnetic Resonance Studies. Chemical Research in Toxicology, 2008, 21, 1359-1367. | 3.3 | 79 |
| 102 | Dysregulation of hepatic iron with aging: implications for heat stress-induced oxidative liver injury. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R1165-R1174. | 1.8 | 25 |
| 103 | Chlorination Increases the Persistence of Semiquinone Free Radicals Derived from Polychlorinated Biphenyl Hydroquinones and Quinones. Journal of Organic Chemistry, 2008, 73, 8296-8304. | 3.2 | 70 |
| 104 | Manganese Superoxide Dismutase Modulates Hypoxia-Inducible Factor-1Î± Induction via Superoxide. Cancer Research, 2008, 68, 2781-2788. | 0.9 | 106 |
| 105 | Ascorbate in pharmacologic concentrations selectively generates ascorbate radical and hydrogen peroxide in extracellular fluid in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8749-8754. | 7.1 | 588 |
| 106 | Inactivation of Anthracyclines by Serum Heme Proteins. Chemical Research in Toxicology, 2007, 20, 920-926. | 3.3 | 13 |
| 107 | The rate of cellular hydrogen peroxide removal shows dependency on GSH: Mathematical insight intoin vivoH<sub>2</sub>O<sub>2</sub>and GPx concentrations. Free Radical Research, 2007, 41, 1201-1211. | 3.3 | 104 |
| 108 | Tin protoporphyrin induces intestinal chloride secretion by inducing light oxidation processes. American Journal of Physiology - Cell Physiology, 2007, 292, C1906-C1914. | 4.6 | 6 |

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|---|---|---|---|
| 109 | A simple and sensitive assay for ascorbate using a plate reader. Analytical Biochemistry, 2007, 365, 31-39. | 2.4 | 70 |
| 110 | Dysregulation of hepatic iron with aging: implications for stressâ€induced oxidative liver injury. FASEB Journal, 2007, 21, A815. | 0.5 | 0 |
| 111 | Nitric oxide decreases the stability of DMPO spin adducts. Nitric Oxide - Biology and Chemistry, 2006, 15, 133-141. | 2.7 | 19 |
| 112 | Ascorbate Reacts with Singlet Oxygen to Produce Hydrogen Peroxide. Photochemistry and Photobiology, 2006, 82, 1634. | 2.5 | 77 |
| 113 | Ascorbate Reacts with Singlet Oxygen to Produce Hydrogen Peroxide. Photochemistry and Photobiology, 2006, 82, 1634-1637. | 2.5 | 131 |
| 114 | Nitric oxide as a cellular antioxidant: A little goes a long way. Free Radical Biology and Medicine, 2006, 40, 501-506. | 2.9 | 114 |
| 115 | Commentary on â€œFaster plasma vitamin E disappearance in smokers is normalized by vitamin C supplementationâ€. Free Radical Biology and Medicine, 2006, 40, 555-556. | 2.9 | 7 |
| 116 | Ascorbate enhances the toxicity of the photodynamic action of Verteporfin in HL-60 cells. Free Radical Biology and Medicine, 2006, 40, 1615-1627. | 2.9 | 28 |
| 117 | A New Paradigm: Manganese Superoxide Dismutase Influences the Production of H2O2 in Cells and Thereby Their Biological State. Free Radical Biology and Medicine, 2006, 41, 1338-1350. | 2.9 | 170 |
| 118 | Inactivation of Primary Antioxidant Enzymes in Mouse Keratinocytes by Photodynamically Generated Singlet Oxygen. Antioxidants and Redox Signaling, 2006, 8, 1307-1314. | 5.4 | 18 |
| 119 | Manganese superoxide dismutase overexpression inhibits the growth of androgen-independent prostate cancer cells. Oncogene, 2005, 24, 77-89. | 5.9 | 142 |
| 120 | Manganese superoxide dismutase suppresses hypoxic induction of hypoxia-inducible factor-1Î± and vascular endothelial growth factor. Oncogene, 2005, 24, 8154-8166. | 5.9 | 130 |
| 121 | Pharmacologic ascorbic acid concentrations selectively kill cancer cells: Action as a pro-drug to deliver hydrogen peroxide to tissues. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13604-13609. | 7.1 | 895 |
| 122 | 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 |
| 123 | Doxorubicin increases intracellular hydrogen peroxide in PC3 prostate cancer cells. Archives of Biochemistry and Biophysics, 2005, 440, 181-190. | 3.0 | 79 |
| 124 | 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 |
| 125 | The nitric oxide synthase inhibitor NG-nitro-l-arginine decreases defibrillation-induced free radical generation. Resuscitation, 2004, 60, 351-358. | 3.0 | 6 |
| 126 | Overexpression of Manganese Superoxide Dismutase Promotes the Survival of Prostate Cancer Cells Exposed to Hyperthermia. Free Radical Research, 2004, 38, 1119-1132. | 3.3 | 41 |

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|---|---|---|---|
| 127 | Detection of Lipid Radicals Using EPR. Antioxidants and Redox Signaling, 2004, 6, 631-638. | 5.4 | 36 |
| 128 | Endogenous production and exogenous exposure to nitric oxide augment doxorubicin cytotoxicity for breast cancer cells but not cardiac myoblasts. Nitric Oxide - Biology and Chemistry, 2004, 10, 119-129. | 2.7 | 65 |
| 129 | Evidence for oxidative stress in NSAID-induced colitis in IL10â^'/â^' mice. Free Radical Biology and Medicine, 2003, 34, 1153-1166. | 2.9 | 34 |
| 130 | Magnesium reduces free radical concentration and preserves left ventricular function after direct current shocks. Resuscitation, 2003, 56, 199-206. | 3.0 | 28 |
| 131 | The nitric oxide synthase inhibitor NG-nitro-l-arginine decreases defibrillation-induced free radical generation. Resuscitation, 2003, 57, 101-108. | 3.0 | 3 |
| 132 | The nitric oxide donor S-nitroso-N-acetylpenicillamine (SNAP) increases free radical generation and degrades left ventricular function after myocardial ischemiaâ€“reperfusion. Resuscitation, 2003, 59, 345-352. | 3.0 | 16 |
| 133 | Phospholipid Hydroperoxide Glutathione Peroxidase Induces a Delay in G1of the Cell Cycle. Free Radical Research, 2003, 37, 621-630. | 3.3 | 30 |
| 134 | L-PhGPx expression can be suppressed by antisense oligodeoxynucleotides. Archives of Biochemistry and Biophysics, 2003, 417, 212-218. | 3.0 | 13 |
| 135 | Free radical and drug oxidation products in an intensive care unit sedative: Propofol with sulfite*. Critical Care Medicine, 2003, 31, 787-792. | 0.9 | 39 |
| 136 | Redox State and Redox Environment in Biology. , 2003, , 1-14. | | 8 |
| 137 | Comparing Î²-Carotene, Vitamin E and Nitric Oxide as Membrane Antioxidants. Biological Chemistry, 2002, 383, 671-81. | 2.5 | 85 |
| 138 | Activation of Matrix Metalloproteinase-2 by Overexpression of Manganese Superoxide Dismutase in Human Breast Cancer MCF-7 Cells Involves Reactive Oxygen Species. Journal of Biological Chemistry, 2002, 277, 20919-20926. | 3.4 | 169 |
| 139 | Lactoferrin in the Preterm Infants' Diet Attenuates Iron-Induced Oxidation Products. Pediatric Research, 2002, 52, 964-972. | 2.3 | 80 |
| 140 | Electron paramagnetic resonance for quantitation of nitric oxide in aqueous solutions. Methods in Enzymology, 2002, 359, 3-18. | 1.0 | 12 |
| 141 | Milk from Mothers of Both Premature and Full-Term Infants Provides Better Antioxidant Protection than Does Infant Formula. Pediatric Research, 2002, 51, 612-618. | 2.3 | 155 |
| 142 | Mitochondrial K<sub>ATP</sub>channel openers activate the ERK kinase by an oxidant-dependent mechanism. American Journal of Physiology - Cell Physiology, 2002, 283, C273-C281. | 4.6 | 99 |
| 143 | v-Ha-ras mitogenic signaling through superoxide and derived reactive oxygen species. Molecular Carcinogenesis, 2002, 33, 206-218. | 2.7 | 48 |
| 144 | Role of Nitric Oxide and Membrane Phospholipid Polyunsaturation in Oxidative Cell Death. , 2002, 36, 97-121. | | 1 |

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|---|---|---|---|
| 145 | Oxidative Stress and Antioxidant Intervention. , 2002, , 849-869. | | 3 |
| 146 | Nitric oxide synthase inhibitors decrease coronary sinus-free radical concentration and ameliorate myocardial stunning in an ischemia-reperfusion model. Journal of the American College of Cardiology, 2001, 38, 546-554. | 2.8 | 55 |
| 147 | v-Ha-Ras Overexpression Induces Superoxide Production and Alters Levels of Primary Antioxidant Enzymes. Antioxidants and Redox Signaling, 2001, 3, 697-709. | 5.4 | 20 |
| 148 | Mechanisms of circulatory and intestinal barrier dysfunction during whole body hyperthermia. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H509-H521. | 3.2 | 361 |
| 149 | Redox environment of the cell as viewed through the redox state of the glutathione disulfide/glutathione couple. Free Radical Biology and Medicine, 2001, 30, 1191-1212. | 2.9 | 3,895 |
| 150 | Biological effects of menadione photochemistry: effects of menadione on biological systems may not involve classical oxidant production. Biochemical Journal, 2000, 350, 797. | 3.7 | 6 |
| 151 | Biological effects of menadione photochemistry: effects of menadione on biological systems may not involve classical oxidant production. Biochemical Journal, 2000, 350, 797-804. | 3.7 | 14 |
| 152 | Free radicals, oxidants, and antioxidants. Teratology, 2000, 62, 234-234. | 1.6 | 25 |
| 153 | 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 |
| 154 | Oxygen free radicals mediate the induction of manganese superoxide dismutase gene expression by TNF-Î±. Free Radical Biology and Medicine, 2000, 28, 1197-1205. | 2.9 | 39 |
| 155 | Acidic pH amplifies iron-mediated lipid peroxidation in cells. Free Radical Biology and Medicine, 2000, 28, 1175-1181. | 2.9 | 108 |
| 156 | Detailed methods for the quantification of nitric oxide in aqueous solutions using either an oxygen monitor or EPR. Free Radical Biology and Medicine, 2000, 29, 580-585. | 2.9 | 61 |
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