

Garry R Buettner

List of Publications by Year in descending order

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Version: 2024-02-01

225
papers

23,994
citations

11908

72
h-index

8878

150
g-index

247
all docs

247
docs citations

247
times ranked

27896
citing authors

#	ARTICLE	IF	CITATIONS
1	TREM-1 is required for enhanced OpZ-induced superoxide generation following priming. <i>Journal of Leukocyte Biology</i> , 2022, , .	1.5	1
2	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
3	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
4	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
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. <i>Free Radical Biology and Medicine</i> , 2021, 165, 421-434.	1.3	2
7	Catalase Modulates the Radio-Sensitization of Pancreatic Cancer Cells by Pharmacological Ascorbate. <i>Antioxidants</i> , 2021, 10, 614.	2.2	4
8	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
9	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
10	Prolonged Reactive Oxygen Species Production following Septic Insult. <i>ImmunoHorizons</i> , 2021, 5, 477-488.	0.8	14
11	Red blood cells contain enzymatically active GPx4 whose abundance anticorrelates with hemolysis during blood bank storage. <i>Redox Biology</i> , 2021, 46, 102073.	3.9	15
12	Electron Spin Resonance Evaluation of Buccal Membrane Fluidity Alterations by Sodium Caprylate and L-Menthol. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10708.	1.8	6
13	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
14	Exposure to Static Magnetic and Electric Fields Treats Type 2 Diabetes. <i>Cell Metabolism</i> , 2020, 32, 561-574.e7.	7.2	55
15	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
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 H ₂ O ₂ : Implications for the use of pharmacological ascorbate in cancer therapy. <i>Free Radical Biology and Medicine</i> , 2020, 156, 20-25.	1.3	4
17	Understanding the Redox Biology of Selenium in the Search of Targeted Cancer Therapies. <i>Antioxidants</i> , 2020, 9, 420.	2.2	29
18	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

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19	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
20	Hydrogen Peroxide Mediates Artemisinin-Derived C-16 Carba-Dimer-Induced Toxicity of Human Cancer Cells. <i>Antioxidants</i> , 2020, 9, 108.	2.2	3
21	Simultaneous detection of the enzyme activities of GPx1 and GPx4 guide optimization of selenium in cell biological experiments. <i>Redox Biology</i> , 2020, 32, 101518.	3.9	34
22	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
23	Linking Cancer Metabolic Dysfunction and Genetic Instability through the Lens of Iron Metabolism. <i>Cancers</i> , 2019, 11, 1077.	1.7	43
24	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
25	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". <i>Radiotherapy and Oncology</i> , 2019, 139, 64-65.	0.3	12
26	Metadherin enhances vulnerability of cancer cells to ferroptosis. <i>Cell Death and Disease</i> , 2019, 10, 682.	2.7	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. <i>Radiotherapy and Oncology</i> , 2019, 139, 23-27.	0.3	189
28	Nox2 NADPH oxidase is dispensable for platelet activation or arterial thrombosis in mice. <i>Blood Advances</i> , 2019, 3, 1272-1284.	2.5	34
29	Pharmacologic Ascorbate Primes Pancreatic Cancer Cells for Death by Rewiring Cellular Energetics and Inducing DNA Damage. <i>Molecular Cancer Research</i> , 2019, 17, 2102-2114.	1.5	21
30	In vitro Cytotoxicity and Pharmacokinetic Evaluation of Pharmacological Ascorbate in Dogs. <i>Frontiers in Veterinary Science</i> , 2019, 6, 385.	0.9	16
31	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
32	The relationship between vitamin C status, the gut-liver axis, and metabolic syndrome. <i>Redox Biology</i> , 2019, 21, 101091.	3.9	52
33	Methylseleninic Acid Induces Lipid Peroxidation and Radiation Sensitivity in Head and Neck Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 225.	1.8	15
34	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
35	Pharmacologic ascorbate (P-AscH ^{••}) suppresses hypoxia-inducible Factor-1 α (HIF-1 α) in pancreatic adenocarcinoma. <i>Clinical and Experimental Metastasis</i> , 2018, 35, 37-51.	1.7	25
36	Calculated cell-specific intracellular hydrogen peroxide concentration: Relevance in cancer cell susceptibility during ascorbate therapy. <i>Free Radical Biology and Medicine</i> , 2018, 120, 356-367.	1.3	12

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37	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
38	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
39	Enhanced Pharmacological Ascorbate Oxidation Radiosensitizes Pancreatic Cancer. <i>Radiation Research</i> , 2018, 191, 43.	0.7	13
40	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
41	Extracellular superoxide dismutase (SOD3) regulates oxidative stress at the vitreoretinal interface. <i>Free Radical Biology and Medicine</i> , 2018, 124, 408-419.	1.3	32
42	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
43	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
44	Mitofusin 1 and optic atrophy 1 shift metabolism to mitochondrial respiration during aging. <i>Aging Cell</i> , 2017, 16, 1136-1145.	3.0	50
45	Peroxiporin Expression Is an Important Factor for Cancer Cell Susceptibility to Therapeutic H ₂ O ₂ : Implications for Pharmacological Ascorbate Therapy. <i>PLoS ONE</i> , 2017, 12, e0170442.	1.1	35
46	Tumor cells have decreased ability to metabolize H ₂ O ₂ : Implications for pharmacological ascorbate in cancer therapy. <i>Redox Biology</i> , 2016, 10, 274-284.	3.9	231
47	Antioxidant-Mediated Modulation of Protein Reactivity for 3,4-Dihydroxyphenylacetaldehyde, a Toxic Dopamine Metabolite. <i>Chemical Research in Toxicology</i> , 2016, 29, 1098-1107.	1.7	24
48	Direct spectrophotometric measurement of supra-physiological levels of ascorbate in plasma. <i>Redox Biology</i> , 2016, 8, 298-304.	3.9	20
49	Succinate dehydrogenase activity regulates PCB ₃ -quinone-induced metabolic oxidative stress and toxicity in HaCaT human keratinocytes. <i>Archives of Toxicology</i> , 2016, 90, 319-332.	1.9	30
50	Breaking the dogma: PCB-derived semiquinone free radicals do not form covalent adducts with DNA, GSH, and amino acids. <i>Environmental Science and Pollution Research</i> , 2016, 23, 2138-2147.	2.7	4
51	The Selective Toxicity of Pharmacological Ascorbate Is Mediated by Alterations in Iron Metabolism. <i>Free Radical Biology and Medicine</i> , 2015, 87, S72-S73.	1.3	0
52	In vivo imaging of free radicals produced by multivitamin-mineral supplements. <i>BMC Nutrition</i> , 2015, 1, .	0.6	1
53	The heritability of hemolysis in stored human red blood cells. <i>Transfusion</i> , 2015, 55, 1178-1185.	0.8	77
54	Monohydroxylated Polybrominated Diphenyl Ethers (OH-PBDEs) and Dihydroxylated Polybrominated Biphenyls (Di-OH-PBBs): Novel Photoproducts of 2,6-Dibromophenol. <i>Environmental Science & Technology</i> , 2015, 49, 14120-14128.	4.6	20

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55	Loss of <i>SOD3</i> (EcSOD) Expression Promotes an Aggressive Phenotype in Human Pancreatic Ductal Adenocarcinoma. <i>Clinical Cancer Research</i> , 2015, 21, 1741-1751.	3.2	58
56	Inhibition of MCU forces extramitochondrial adaptations governing physiological and pathological stress responses in heart. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9129-9134.	3.3	140
57	Manganoporphyrins and ascorbate enhance gemcitabine cytotoxicity in pancreatic cancer. <i>Free Radical Biology and Medicine</i> , 2015, 83, 227-237.	1.3	31
58	Role of labile iron in the toxicity of pharmacological ascorbate. <i>Free Radical Biology and Medicine</i> , 2015, 84, 289-295.	1.3	57
59	Pharmacological Ascorbate Radiosensitizes Pancreatic Cancer. <i>Cancer Research</i> , 2015, 75, 3314-3326.	0.4	89
60	Moving free radical and redox biology ahead in the next decade(s). <i>Free Radical Biology and Medicine</i> , 2015, 78, 236-238.	1.3	20
61	Moles of a Substance per Cell Is a Highly Informative Dosing Metric in Cell Culture. <i>PLoS ONE</i> , 2015, 10, e0132572.	1.1	49
62	The heritability of metabolite concentrations in stored human red blood cells. <i>Transfusion</i> , 2014, 54, 2055-2063.	0.8	59
63	The "mitoflash" probe cpYFP does not respond to superoxide. <i>Nature</i> , 2014, 514, E12-E14.	13.7	109
64	SIRT3 deacetylates and increases pyruvate dehydrogenase activity in cancer cells. <i>Free Radical Biology and Medicine</i> , 2014, 76, 163-172.	1.3	156
65	Forkhead Box M1 Regulates Quiescence-Associated Radioresistance of Human Head and Neck Squamous Carcinoma Cells. <i>Radiation Research</i> , 2014, 182, 420.	0.7	21
66	Heritability of glutathione and related metabolites in stored red blood cells. <i>Free Radical Biology and Medicine</i> , 2014, 76, 107-113.	1.3	63
67	Pharmacological ascorbate and ionizing radiation (IR) increase labile iron in pancreatic cancer. <i>Redox Biology</i> , 2014, 2, 22-27.	3.9	38
68	Extracellular superoxide dismutase suppresses hypoxia-inducible factor-1 α in pancreatic cancer. <i>Free Radical Biology and Medicine</i> , 2014, 69, 357-366.	1.3	33
69	Regulation of pancreatic cancer growth by superoxide. <i>Molecular Carcinogenesis</i> , 2013, 52, 555-567.	1.3	40
70	Quantitative Redox Biology: An Approach to Understand the Role of Reactive Species in Defining the Cellular Redox Environment. <i>Cell Biochemistry and Biophysics</i> , 2013, 67, 477-483.	0.9	77
71	Pharmacological ascorbate with gemcitabine for the control of metastatic and node-positive pancreatic cancer (PACMAN): results from a phase I clinical trial. <i>Cancer Chemotherapy and Pharmacology</i> , 2013, 71, 765-775.	1.1	239
72	The concentration of glutathione in human erythrocytes is a heritable trait. <i>Free Radical Biology and Medicine</i> , 2013, 65, 742-749.	1.3	84

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73	An assay for the rate of removal of extracellular hydrogen peroxide by cells. <i>Redox Biology</i> , 2013, 1, 210-217.	3.9	52
74	Inhibitors of hydroperoxide metabolism enhance ascorbate-induced cytotoxicity. <i>Free Radical Research</i> , 2013, 47, 154-163.	1.5	53
75	CaMKII Is Essential for the Proasthmatic Effects of Oxidation. <i>Science Translational Medicine</i> , 2013, 5, 195ra97.	5.8	54
76	Manganoporphyrins Increase Ascorbate-Induced Cytotoxicity by Enhancing H ₂ O ₂ Generation. <i>Cancer Research</i> , 2013, 73, 5232-5241.	0.4	68
77	Interleukin-6 counteracts therapy-induced cellular oxidative stress in multiple myeloma by up-regulating manganese superoxide dismutase. <i>Biochemical Journal</i> , 2012, 444, 515-527.	1.7	37
78	Manganese Superoxide Dismutase Regulates a Metabolic Switch during the Mammalian Cell Cycle. <i>Cancer Research</i> , 2012, 72, 3807-3816.	0.4	58
79	Heme Oxygenase-1 Is Protective Against Nonsteroidal Anti-inflammatory Drug-induced Gastric Ulcers. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2012, 54, 471-476.	0.9	31
80	Ascorbic acid: Chemistry, biology and the treatment of cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2012, 1826, 443-457.	3.3	635
81	MnSOD activity regulates hydroxytyrosol-induced extension of chronological lifespan. <i>Age</i> , 2012, 34, 95-109.	3.0	34
82	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
83	The rate of oxygen utilization by cells. <i>Free Radical Biology and Medicine</i> , 2011, 51, 700-712.	1.3	280
84	Superoxide Dismutase in Redox Biology: The Roles of Superoxide and Hydrogen Peroxide. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2011, 11, 341-346.	0.9	259
85	Oxidation of 3,4-Dihydroxyphenylacetaldehyde, a Toxic Dopaminergic Metabolite, to a Semiquinone Radical and an ortho-Quinone. <i>Journal of Biological Chemistry</i> , 2011, 286, 26978-26986.	1.6	89
86	Chitosan gallate as a novel potential polysaccharide antioxidant: an EPR study. <i>Carbohydrate Research</i> , 2010, 345, 132-140.	1.1	131
87	Observation of an unusual electronically distorted semiquinone radical of PCB metabolites in the active site of prostaglandin H synthase-2. <i>Chemosphere</i> , 2010, 81, 1501-1508.	4.2	4
88	Thermodynamic and kinetic considerations for the reaction of semiquinone radicals to form superoxide and hydrogen peroxide. <i>Free Radical Biology and Medicine</i> , 2010, 49, 919-962.	1.3	281
89	Free radicals produced by the oxidation of gallic acid: An electron paramagnetic resonance study. <i>Chemistry Central Journal</i> , 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. <i>Photochemistry and Photobiology</i> , 2010, 86, 740-741.	1.3	0

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91	Mechanisms of Ascorbate-Induced Cytotoxicity in Pancreatic Cancer. <i>Clinical Cancer Research</i> , 2010, 16, 509-520.	3.2	272
92	Minimization of free radical damage by metal catalysis of multivitamin/multimineral supplements. <i>Nutrition Journal</i> , 2010, 9, 61.	1.5	9
93	Nonenzymatic displacement of chlorine and formation of free radicals upon the reaction of glutathione with PCB quinones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9725-9730.	3.3	108
94	Endosomal Nox2 Facilitates Redox-Dependent Induction of NF- κ B by TNF- α . <i>Antioxidants and Redox Signaling</i> , 2009, 11, 1249-1263.	2.5	102
95	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
96	UVA/B-Induced Formation of Free Radicals from Decabromodiphenyl Ether. <i>Environmental Science & Technology</i> , 2009, 43, 2581-2588.	4.6	48
97	Deficiency of MnSOD in Hematopoietic Stem Cells Causes a Sideroblastic Anemia-Like Phenotype.. <i>Blood</i> , 2009, 114, 1991-1991.	0.6	0
98	Chitosan conjugated with deoxycholic acid and gallic acid: A novel biopolymer-based additive antioxidant for polyethylene. <i>Journal of Applied Polymer Science</i> , 2008, 109, 38-46.	1.3	47
99	Catalase ameliorates polychlorinated biphenyl-induced cytotoxicity in nonmalignant human breast epithelial cells. <i>Free Radical Biology and Medicine</i> , 2008, 45, 1094-1102.	1.3	32
100	Iron supplements and oxidative stress in very low birth weight infants. <i>Journal of Pediatrics</i> , 2008, 152, 890-891.	0.9	1
101	Semiquinone Radicals from Oxygenated Polychlorinated Biphenyls: Electron Paramagnetic Resonance Studies. <i>Chemical Research in Toxicology</i> , 2008, 21, 1359-1367.	1.7	79
102	Dysregulation of hepatic iron with aging: implications for heat stress-induced oxidative liver injury. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R1165-R1174.	0.9	25
103	Chlorination Increases the Persistence of Semiquinone Free Radicals Derived from Polychlorinated Biphenyl Hydroquinones and Quinones. <i>Journal of Organic Chemistry</i> , 2008, 73, 8296-8304.	1.7	70
104	Manganese Superoxide Dismutase Modulates Hypoxia-Inducible Factor-1 α Induction via Superoxide. <i>Cancer Research</i> , 2008, 68, 2781-2788.	0.4	106
105	Ascorbate in pharmacologic concentrations selectively generates ascorbate radical and hydrogen peroxide in extracellular fluid in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 8749-8754.	3.3	588
106	Inactivation of Anthracyclines by Serum Heme Proteins. <i>Chemical Research in Toxicology</i> , 2007, 20, 920-926.	1.7	13
107	The rate of cellular hydrogen peroxide removal shows dependency on GSH: Mathematical insight into <i>in vivo</i> H_2O_2 and GPx concentrations. <i>Free Radical Research</i> , 2007, 41, 1201-1211.	1.5	104
108	Tin protoporphyrin induces intestinal chloride secretion by inducing light oxidation processes. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 292, C1906-C1914.	2.1	6

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109	A simple and sensitive assay for ascorbate using a plate reader. <i>Analytical Biochemistry</i> , 2007, 365, 31-39.	1.1	70
110	Dysregulation of hepatic iron with aging: implications for stress-induced oxidative liver injury. <i>FASEB Journal</i> , 2007, 21, A815.	0.2	0
111	Nitric oxide decreases the stability of DMPO spin adducts. <i>Nitric Oxide - Biology and Chemistry</i> , 2006, 15, 133-141.	1.2	19
112	Ascorbate Reacts with Singlet Oxygen to Produce Hydrogen Peroxide. <i>Photochemistry and Photobiology</i> , 2006, 82, 1634.	1.3	77
113	Ascorbate Reacts with Singlet Oxygen to Produce Hydrogen Peroxide. <i>Photochemistry and Photobiology</i> , 2006, 82, 1634-1637.	1.3	131
114	Nitric oxide as a cellular antioxidant: A little goes a long way. <i>Free Radical Biology and Medicine</i> , 2006, 40, 501-506.	1.3	114
115	Commentary on "Faster plasma vitamin E disappearance in smokers is normalized by vitamin C supplementation". <i>Free Radical Biology and Medicine</i> , 2006, 40, 555-556.	1.3	7
116	Ascorbate enhances the toxicity of the photodynamic action of Verteporfin in HL-60 cells. <i>Free Radical Biology and Medicine</i> , 2006, 40, 1615-1627.	1.3	28
117	A New Paradigm: Manganese Superoxide Dismutase Influences the Production of H ₂ O ₂ in Cells and Thereby Their Biological State. <i>Free Radical Biology and Medicine</i> , 2006, 41, 1338-1350.	1.3	170
118	Inactivation of Primary Antioxidant Enzymes in Mouse Keratinocytes by Photodynamically Generated Singlet Oxygen. <i>Antioxidants and Redox Signaling</i> , 2006, 8, 1307-1314.	2.5	18
119	Manganese superoxide dismutase overexpression inhibits the growth of androgen-independent prostate cancer cells. <i>Oncogene</i> , 2005, 24, 77-89.	2.6	142
120	Manganese superoxide dismutase suppresses hypoxic induction of hypoxia-inducible factor-1 α and vascular endothelial growth factor. <i>Oncogene</i> , 2005, 24, 8154-8166.	2.6	130
121	Pharmacologic ascorbic acid concentrations selectively kill cancer cells: Action as a pro-drug to deliver hydrogen peroxide to tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 13604-13609.	3.3	895
122	Mitochondrial O ₂ ^{•-} and H ₂ O ₂ Mediate Glucose Deprivation-induced Stress in Human Cancer Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 4254-4263.	1.6	225
123	Doxorubicin increases intracellular hydrogen peroxide in PC3 prostate cancer cells. <i>Archives of Biochemistry and Biophysics</i> , 2005, 440, 181-190.	1.4	79
124	High Levels of Catalase and Glutathione Peroxidase Activity Dampen H ₂ O ₂ Signaling in Human Alveolar Macrophages. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2004, 31, 43-53.	1.4	60
125	The nitric oxide synthase inhibitor NG-nitro-L-arginine decreases defibrillation-induced free radical generation. <i>Resuscitation</i> , 2004, 60, 351-358.	1.3	6
126	Overexpression of Manganese Superoxide Dismutase Promotes the Survival of Prostate Cancer Cells Exposed to Hyperthermia. <i>Free Radical Research</i> , 2004, 38, 1119-1132.	1.5	41

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127	Detection of Lipid Radicals Using EPR. Antioxidants and Redox Signaling, 2004, 6, 631-638.	2.5	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.	1.2	65
129	Evidence for oxidative stress in NSAID-induced colitis in IL10 ^{-/-} mice. Free Radical Biology and Medicine, 2003, 34, 1153-1166.	1.3	34
130	Magnesium reduces free radical concentration and preserves left ventricular function after direct current shocks. Resuscitation, 2003, 56, 199-206.	1.3	28
131	The nitric oxide synthase inhibitor NG-nitro-L-arginine decreases defibrillation-induced free radical generation. Resuscitation, 2003, 57, 101-108.	1.3	3
132	The nitric oxide donor S-nitroso-N-acetylpenicillamine (SNAP) increases free radical generation and degrades left ventricular function after myocardial ischemia ^{re} reperfusion. Resuscitation, 2003, 59, 345-352.	1.3	16
133	Phospholipid Hydroperoxide Glutathione Peroxidase Induces a Delay in G1 of the Cell Cycle. Free Radical Research, 2003, 37, 621-630.	1.5	30
134	L-PhGPx expression can be suppressed by antisense oligodeoxynucleotides. Archives of Biochemistry and Biophysics, 2003, 417, 212-218.	1.4	13
135	Free radical and drug oxidation products in an intensive care unit sedative: Propofol with sulfite*. Critical Care Medicine, 2003, 31, 787-792.	0.4	39
136	Redox State and Redox Environment in Biology. , 2003, , 1-14.		8
137	Comparing β -Carotene, Vitamin E and Nitric Oxide as Membrane Antioxidants. Biological Chemistry, 2002, 383, 671-81.	1.2	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.	1.6	169
139	Lactoferrin in the Preterm Infants' Diet Attenuates Iron-Induced Oxidation Products. Pediatric Research, 2002, 52, 964-972.	1.1	80
140	Electron paramagnetic resonance for quantitation of nitric oxide in aqueous solutions. Methods in Enzymology, 2002, 359, 3-18.	0.4	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.	1.1	155
142	Mitochondrial K ^{ATP} channel openers activate the ERK kinase by an oxidant-dependent mechanism. American Journal of Physiology - Cell Physiology, 2002, 283, C273-C281.	2.1	99
143	v-Ha-ras mitogenic signaling through superoxide and derived reactive oxygen species. Molecular Carcinogenesis, 2002, 33, 206-218.	1.3	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.	1.2	55
147	v-Ha-Ras Overexpression Induces Superoxide Production and Alters Levels of Primary Antioxidant Enzymes. Antioxidants and Redox Signaling, 2001, 3, 697-709.	2.5	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.	1.5	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.	1.3	3,895
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