Henry Jay Forman

List of Publications by Year
in descending order

260 papers	25,281 citations	10373 72 h-index	7340 152 g-index
271 all docs	271 docs citations	271 times ranked	30192 citing authors

#	Article	IF	Citations
1	Glutathione: Overview of its protective roles, measurement, and biosynthesis. Molecular Aspects of Medicine, 2009, 30, 1-12.	2.7	1,647
2	Measuring reactive oxygen and nitrogen species with fluorescent probes: challenges and limitations. Free Radical Biology and Medicine, 2012, 52, 1-6.	1.3	1,424
3	Oxidants as Stimulators of Signal Transduction. Free Radical Biology and Medicine, 1997, 22, 269-285.	1.3	1,252
4	Targeting oxidative stress in disease: promise and limitations of antioxidant therapy. Nature Reviews Drug Discovery, 2021, 20, 689-709.	21.5	975
5	Reactive Oxygen Species and Cell Signaling. American Journal of Respiratory and Critical Care Medicine, 2002, 166, S4-S8.	2.5	767
6	Cellular glutathione and thiols metabolism. Biochemical Pharmacology, 2002, 64, 1019-1026.	2.0	722
7	Signaling Functions of Reactive Oxygen Species. Biochemistry, 2010, 49, 835-842.	1.2	686
8	Redox-based regulation of signal transduction: Principles, pitfalls, and promises. Free Radical Biology and Medicine, 2008, 45, 1-17.	1.3	681
9	ATP Activates a Reactive Oxygen Species-dependent Oxidative Stress Response and Secretion of Proinflammatory Cytokines in Macrophages. Journal of Biological Chemistry, 2007, 282, 2871-2879.	1.6	661
10	Oxidative stress response and Nrf2 signaling in aging. Free Radical Biology and Medicine, 2015, 88, 314-336.	1.3	644
11	How do nutritional antioxidants really work: Nucleophilic tone and para-hormesis versus free radical scavenging in vivo. Free Radical Biology and Medicine, 2014, 66, 24-35.	1.3	548
12	Redox signaling and the MAP kinase pathways. BioFactors, 2003, 17, 287-296.	2.6	506
13	Redox signaling in macrophages. Molecular Aspects of Medicine, 2001, 22, 189-216.	2.7	474
14	Redox signaling: thiol chemistry defines which reactive oxygen and nitrogen species can act as second messengers. American Journal of Physiology - Cell Physiology, 2004, 287, C246-C256.	2.1	468
15	Glutathione in Defense and Signaling. Annals of the New York Academy of Sciences, 2002, 973, 488-504.	1.8	429
16	Guidelines for measuring reactive oxygen species and oxidative damage in cells and in vivo. Nature Metabolism, 2022, 4, 651-662.	5.1	356
17	Structure, function, and post-translational regulation of the catalytic and modifier subunits of glutamate cysteine ligase. Molecular Aspects of Medicine, 2009, 30, 86-98.	2.7	330
18	Redox homeostasis: The Golden Mean of healthy living. Redox Biology, 2016, 8, 205-215.	3.9	300

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19	Glutathione, Stress Responses, and Redox Signaling in Lung Inflammation. Antioxidants and Redox Signaling, 2005, 7, 42-59.	2.5	260
20	Even free radicals should follow some rules: A Guide to free radical research terminology and methodology. Free Radical Biology and Medicine, 2015, 78, 233-235.	1.3	241
21	Nrf2-dependent Induction of Proteasome and Pa28Î±Î² Regulator Are Required for Adaptation to Oxidative Stress. Journal of Biological Chemistry, 2012, 287, 10021-10031.	1.6	240
22	Macrophage Signaling and Respiratory Burst. Immunologic Research, 2002, 26, 095-106.	1.3	239
23	What is the concentration of hydrogen peroxide in blood and plasma?. Archives of Biochemistry and Biophysics, 2016, 603, 48-53.	1.4	234
24	Glutathione Depletion in PC12 Results in Selective Inhibition of Mitochondrial Complex I Activity. Journal of Biological Chemistry, 2000, 275, 26096-26101.	1.6	228
25	Superoxide dismutase: A comparison of rate constants. Archives of Biochemistry and Biophysics, 1973, 158, 396-400.	1.4	227
26	An overview of mechanisms of redox signaling. Journal of Molecular and Cellular Cardiology, 2014, 73, 2-9.	0.9	226
27	Thiol Chemistry in Peroxidase Catalysis and Redox Signaling. Antioxidants and Redox Signaling, 2008, 10, 1549-1564.	2.5	216
28	The chemistry of cell signaling by reactive oxygen and nitrogen species and 4-hydroxynonenal. Archives of Biochemistry and Biophysics, 2008, 477, 183-195.	1.4	212
29	Î³â€Glutamyl Transpeptidase in Glutathione Biosynthesis. Methods in Enzymology, 2005, 401, 468-483.	0.4	211
30	Human glutamate cysteine ligase gene regulation through the electrophile response element. Free Radical Biology and Medicine, 2004, 37, 1152-1159.	1.3	188
31	Redox signaling. Molecular and Cellular Biochemistry, 2002, 234/235, 49-62.	1.4	182
32	Comparative effects between electronic and cigarette smoke in human keratinocytes and epithelial lung cells. Toxicology in Vitro, 2014, 28, 999-1005.	1.1	179
33	Glutathione synthesis and its role in redox signaling. Seminars in Cell and Developmental Biology, 2012, 23, 722-728.	2.3	166
34	Use and abuse of exogenous H2O2 in studies of signal transduction. Free Radical Biology and Medicine, 2007, 42, 926-932.	1.3	159
35	Molecular Mechanism of Decreased Glutathione Content in Human Immunodeficiency Virus Type 1 Tat-transgenic Mice. Journal of Biological Chemistry, 2000, 275, 3693-3698.	1.6	147
36	Curcumin alters EpRE and APâ€1 binding complexes and elevates glutamateâ€cysteine ligase gene expression. FASEB Journal, 2003, 17, 1-26.	0.2	147

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37	Superoxide Radical and Hydrogen Peroxide in Mitochondria. , 1982, , 65-90.		145
38	Biphasic Effects of 15-Deoxy-Î" 12,14 -Prostaglandin J 2 on Glutathione Induction and Apoptosis in Human Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2001, 21, 1846-1851.	1.1	144
39	Arginine Starvation Impairs Mitochondrial Respiratory Function in ASS1-Deficient Breast Cancer Cells. Science Signaling, 2014, 7, ra31.	1.6	144
40	Beyond repression of Nrf2: An update on Keap1. Free Radical Biology and Medicine, 2020, 157, 63-74.	1.3	144
41	Redox Regulation of Î³-Glutamyl Transpeptidase. American Journal of Respiratory Cell and Molecular Biology, 2009, 41, 509-515.	1.4	140
42	Nrf2-regulated phase II enzymes are induced by chronic ambient nanoparticle exposure in young mice with age-related impairments. Free Radical Biology and Medicine, 2012, 52, 2038-2046.	1.3	136
43	Increased Transcription of the Regulatory Subunit of Î³-Glutamylcysteine Synthetase in Rat Lung Epithelial L2 Cells Exposed to Oxidative Stress or Glutathione Depletion. Archives of Biochemistry and Biophysics, 1997, 342, 126-133.	1.4	133
44	Redox signaling: An evolution from free radicals to aging. Free Radical Biology and Medicine, 2016, 97, 398-407.	1.3	130
45	Nanoscale Particulate Matter from Urban Traffic Rapidly Induces Oxidative Stress and Inflammation in Olfactory Epithelium with Concomitant Effects on Brain. Environmental Health Perspectives, 2016, 124, 1537-1546.	2.8	127
46	Câ€Myc is a Nrf2â€interacting protein that negatively regulates phase II genes through their electrophile responsive elements. IUBMB Life, 2010, 62, 237-246.	1.5	125
47	On the virtual existence of superoxide anions in mitochondria: thoughts regarding its role in pathophysiology. FASEB Journal, 1997, 11, 374-375.	0.2	124
48	Abnormal glutathione transport in cystic fibrosis airway epithelia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1999, 277, L113-L118.	1.3	124
49	Activation of NFÎºB by the respiratory burst of macrophages. Free Radical Biology and Medicine, 1996, 21, 401-405.	1.3	119
50	Redox control of cancer cell destruction. Redox Biology, 2018, 16, 59-74.	3.9	119
51	Nitric Oxide-Dependent Induction of Glutathione Synthesis through Increased Expression of Î³-Glutamylcysteine Synthetase. Archives of Biochemistry and Biophysics, 1998, 358, 74-82.	1.4	118
52	The induction of GSH synthesis by nanomolar concentrations of NO in endothelial cells: a role for Î³-glutamylcysteine synthetase and Î³-glutamyl transpeptidase. FEBS Letters, 1999, 448, 292-296.	1.3	115
53	Variable regulation of glutamate cysteine ligase subunit proteins affects glutathione biosynthesis in response to oxidative stress. Archives of Biochemistry and Biophysics, 2004, 423, 116-125.	1.4	115
54	Cytoprotection against Oxidative Stress and the Regulation of Glutathione Synthesis. Biological Chemistry, 2003, 384, 527-37.	1.2	114

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55	Aging-related decline in the induction of Nrf2-regulated antioxidant genes in human bronchial epithelial cells. Redox Biology, 2018, 14, 35-40.	3.9	113
56	The â€˜mitoflashâ€™ probe cpYFP does not respond to superoxide. Nature, 2014, 514, E12-E14.	13.7	109
57	Role of superoxide radical in mitochondrial dehydrogenase reactions. Biochemical and Biophysical Research Communications, 1974, 60, 1044-1050.	1.0	107
58	4-hydroxynonenal induces glutamate cysteine ligase through JNK in HBE1 cells. Free Radical Biology and Medicine, 2002, 33, 974-987.	1.3	107
59	Antioxidants in cystic fibrosisâ˜†Conclusions from the CF Antioxidant Workshop, Bethesda, Maryland, November 11-12, 2003. Free Radical Biology and Medicine, 2007, 42, 15-31.	1.3	105
60	Oxidative Modification of Nuclear Mitogen-activated Protein Kinase Phosphatase 1 Is Involved in Transforming Growth Factor Î²1-induced Expression of Plasminogen Activator Inhibitor 1 in Fibroblasts. Journal of Biological Chemistry, 2010, 285, 16239-16247.	1.6	98
61	Depletion of Glutathione by Buthionine Sulfoximine Is Cytotoxic for Human Neuroblastoma Cell Lines via Apoptosis. Experimental Cell Research, 1999, 246, 183-192.	1.2	97
62	HNE increases HO-1 through activation of the ERK pathway in pulmonary epithelial cells. Free Radical Biology and Medicine, 2005, 39, 355-364.	1.3	97
63	Multi-walled carbon nanotubes: A cytotoxicity study in relation to functionalization, dose and dispersion. Toxicology in Vitro, 2017, 42, 292-298.	1.1	96
64	Dihydroorotate-dependent superoxide producton in rat brain and liver. Archives of Biochemistry and Biophysics, 1976, 173, 219-224.	1.4	93
65	Extracellular glutathione and Î³-glutamyl transpeptidase prevent H2O2-induced injury by 2,3-dimethoxy-1,4-naphthoquinone. Free Radical Biology and Medicine, 1993, 15, 57-67.	1.3	92
66	Signaling by the Respiratory Burst in Macrophages. IUBMB Life, 2001, 51, 365-371.	1.5	91
67	Autoxidation of extracellular hydroquinones is a causative event for the cytotoxicity of menadione and DMNQ in A549-S cells. Archives of Biochemistry and Biophysics, 2003, 411, 145-157.	1.4	89
68	Reactive oxygen species and Î±,Î²â€‘unsaturated aldehydes as second messengers in signal transduction. Annals of the New York Academy of Sciences, 2010, 1203, 35-44.	1.8	87
69	A critical review of assays for hazardous components of air pollution. Free Radical Biology and Medicine, 2018, 117, 202-217.	1.3	82
70	Brain antioxidant systems in human methamphetamine users. Journal of Neurochemistry, 2004, 89, 1396-1408.	2.1	79
71	Acrolein Induces Heme Oxygenase-1 through PKC-Î´ and PI3K in Human Bronchial Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2008, 38, 483-490.	1.4	79
72	4-hydroxynonenal-mediated signaling and aging. Free Radical Biology and Medicine, 2017, 111, 219-225.	1.3	78

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73	Glutathione regulates transforming growth factor-Î²-stimulated collagen production in fibroblasts. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 286, L121-L128.	1.3	77
74	Cigarette Smoke Affects Keratinocytes SRB1 Expression and Localization via H2O2 Production and HNE Protein Adducts Formation. PLoS ONE, 2012, 7, e33592.	1.1	76
75	Stimulation of the alveolar macrophage respiratory burst by ADP causes selective glutathionylation of protein tyrosine phosphatase 1B. Free Radical Biology and Medicine, 2006, 41, 86-91.	1.3	72
76	Hydroperoxide-induced Increases in Intracellular Calcium Due to Annexin VI Translocation and Inactivation of Plasma Membrane Ca2+-ATPase. Journal of Biological Chemistry, 1996, 271, 29205-29210.	1.6	70
77	Submicromolar concentrations of 4-hydroxynonenal induce glutamate cysteine ligase expression in HBE1 cells. Redox Report, 2007, 12, 101-106.	1.4	69
78	Activation of Several MAP Kinases upon Stimulation of Rat Alveolar Macrophages: Role of the NADPH Oxidase. Archives of Biochemistry and Biophysics, 1999, 366, 231-239.	1.4	68
79	Prolonged fasting does not increase oxidative damage or inflammation in postweaned northern elephant seal pups. Journal of Experimental Biology, 2010, 213, 2524-2530.	0.8	66
80	Protein cysteine oxidation in redox signaling: Caveats on sulfenic acid detection and quantification. Archives of Biochemistry and Biophysics, 2017, 617, 26-37.	1.4	66
81	Mechanisms of pulmonary oxygen toxicity. Lung, 1984, 162, 255-259.	1.4	65
82	Toxicity of urban air pollution particulate matter in developing and adult mouse brain: Comparison of total and filter-eluted nanoparticles. Environment International, 2020, 136, 105510.	4.8	64
83	Induction of p21 Mediated by Reactive Oxygen Species Formed during the Metabolism of Aziridinylbenzoquinones by HCT116 Cells. Journal of Biological Chemistry, 1996, 271, 31915-31921.	1.6	63
84	Induction of glutathione synthesis by oxidized low-density lipoprotein and 1-palmitoyl-2-arachidonyl phosphatidylcholine: protection against quinone-mediated oxidative stress. Biochemical Journal, 2002, 362, 51-59.	1.7	62
85	Cigarette smoke extract stimulates epithelialâ€“mesenchymal transition through Src activation. Free Radical Biology and Medicine, 2012, 52, 1437-1442.	1.3	61
86	4-Hydroxynonenal Induces Rat Î³-Glutamyl Transpeptidase through Mitogen-Activated Protein Kinaseâ€“Mediated Electrophile Response Element/Nuclear Factor Erythroid 2â€“Related Factor 2 Signaling. American Journal of Respiratory Cell and Molecular Biology, 2006, 34, 174-181.	1.4	59
87	The Oxygen Paradox, the French Paradox, and age-related diseases. GeroScience, 2017, 39, 499-550.	2.1	59
88	Molecular characterization of hypoxia inducible factor-1 (HIF-1) from the white shrimp Litopenaeus vannamei and tissue-specific expression under hypoxia. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2009, 150, 395-405.	1.3	58
89	Transfection with Î³-glutamyl transpeptidase enhances recovery from glutathione depletion using extracellular glutathione. Toxicology and Applied Pharmacology, 1992, 114, 56-62.	1.3	57
90	Multidrug-resistant protein-3 gene regulation by the transcription factor Nrf2 in human bronchial epithelial and non-small-cell lung carcinoma. Free Radical Biology and Medicine, 2009, 46, 1650-1657.	1.3	57

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91	Redox signaling. Molecular and Cellular Biochemistry, 2002, 234-235, 49-62.	1.4	57
92	AP-1 activation through endogenous H2O2 generation by alveolar macrophages. Free Radical Biology and Medicine, 2002, 32, 1304-1313.	1.3	56
93	Traffic-related air pollutants (TRAP-PM) promote neuronal amyloidogenesis through oxidative damage to lipid rafts. Free Radical Biology and Medicine, 2020, 147, 242-251.	1.3	56
94	HNEâ€“â€“signaling pathways leading to its elimination. Molecular Aspects of Medicine, 2003, 24, 189-194.	2.7	54
95	Endogenous Hydrogen Peroxide Regulates Glutathione Redox via Nuclear Factor Erythroid 2-Related Factor 2 Downstream of Phosphatidylinositol 3-Kinase during Muscle Differentiation. American Journal of Pathology, 2008, 172, 1529-1541.	1.9	54
96	Prolonged fasting increases glutathione biosynthesis in postweaned northern elephant seals. Journal of Experimental Biology, 2011, 214, 1294-1299.	0.8	54
97	Î³-Glutamylcysteine synthetase: mRNA stabilization and independent subunit transcription by 4-hydroxy-2-nonenal. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1998, 275, L861-L869.	1.3	53
98	The Adp-stimulated Nadph Oxidase Activates The Ask-1/mkk4/jnk Pathway In Alveolar Macrophages. Free Radical Research, 2006, 40, 865-874.	1.5	53
99	Î³-Glutamyl transpeptidase is induced by 4-hydroxynonenal via EpRE/Nrf2 signaling in rat epithelial type II cells. Free Radical Biology and Medicine, 2006, 40, 1281-1292.	1.3	53
100	Signaling pathways involved in phase II gene induction by Î±, Î²-unsaturated aldehydes. Toxicology and Industrial Health, 2009, 25, 269-278.	0.6	52
101	Role of Protein Kinase C in Basal and Hydrogen Peroxide-Stimulated NF-ÎºB Activation in the Murine Macrophage J774A.1 Cell Line. Archives of Biochemistry and Biophysics, 1998, 350, 79-86.	1.4	51
102	Oxidative signaling and glutathione synthesis. BioFactors, 2003, 17, 1-12.	2.6	51
103	Quinones and Glutathione Metabolism. Methods in Enzymology, 2004, 378, 319-340.	0.4	51
104	Adaptation to oxidative stress: Quinone-mediated protection of signaling in rat lung epithelial L2 cells. Biochemical Pharmacology, 1997, 53, 987-993.	2.0	50
105	4-Hydroxy-2-nonenal Increases Î³ -Glutamylcysteine Synthetase Gene Expression in Alveolar Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2001, 24, 499-505.	1.4	50
106	Apnea stimulates the adaptive response to oxidative stress in elephant seal pups. Journal of Experimental Biology, 2011, 214, 4193-4200.	0.8	50
107	Glutathione â€“ From antioxidant to post-translational modifier. Archives of Biochemistry and Biophysics, 2016, 595, 64-67.	1.4	49
108	Ontogeny of Antioxidant Enzymes in the Fetal Lamb Lung. Experimental Lung Research, 1991, 17, 39-45.	0.5	48

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109	Transmembrane Redox Signaling Activates NF-Î¹B in Macrophages. Free Radical Biology and Medicine, 1998, 24, 202-207.	1.3	48
110	Transit of H2O2 across the endoplasmic reticulum membrane is not sluggish. Free Radical Biology and Medicine, 2016, 94, 157-160.	1.3	48
111	Synthetic chloride channel restores glutathione secretion in cystic fibrosis airway epithelia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 281, L24-L30.	1.3	47
112	Novel Roles for Protein Kinase C;-dependent Signaling Pathways in Acute Hypoxic Stress-induced Autophagy. Journal of Biological Chemistry, 2008, 283, 34432-34444.	1.6	46
113	A549 subclones demonstrate heterogeneity in toxicological sensitivity and antioxidant profile. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2002, 283, L726-L736.	1.3	44
114	Impaired enzymatic defensive activity, mitochondrial dysfunction and proteasome activation are involved in RTT cell oxidative damage. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 2066-2074.	1.8	44
115	Signaling by 4-hydroxy-2-nonenal: Exposure protocols, target selectivity and degradation. Archives of Biochemistry and Biophysics, 2017, 617, 145-154.	1.4	44
116	The alveolar macrophage as a model of calcium signaling in oxidative stress. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 1998, 1, 117-134.	2.9	41
117	The role of c-Jun phosphorylation in EpRE activation of phase II genes. Free Radical Biology and Medicine, 2009, 47, 1172-1179.	1.3	41
118	Modulation of the Rat Alveolar Macrophage Respiratory Burst by Hydroperoxides Is Calcium Dependent. Archives of Biochemistry and Biophysics, 1996, 326, 166-171.	1.4	40
119	Hypochlorous acid alters bronchial epithelial cell membrane properties and prevention by extracellular glutathione. Journal of Applied Physiology, 2003, 95, 2444-2452.	1.2	40
120	Up-regulation of Î³-glutamyl transpeptidase activity following glutathione depletion has a compensatory rather than an inhibitory effect on mitochondrial complex I activity: implications for Parkinson's disease. Free Radical Biology and Medicine, 2006, 40, 1557-1563.	1.3	40
121	Silica Induces Macrophage Cytokines through Phosphatidylcholine-Specific Phospholipase C with Hydrogen Peroxide. American Journal of Respiratory Cell and Molecular Biology, 2007, 36, 594-599.	1.4	40
122	Hexokinase from the white shrimp Litopenaeus vannamei: cDNA sequence, structural protein model and regulation via HIF-1 in response to hypoxia. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2011, 158, 242-249.	0.7	40
123	Antioxidant Defenses. Topics in Environmental Physiology and Medicine, 1981, , 235-249.	0.2	40
124	Hydroperoxide-induced damage to alveolar macrophage function and membrane integrity: Alterations in intracellular-free Ca2+ and membrane potential. Archives of Biochemistry and Biophysics, 1987, 259, 457-465.	1.4	38
125	Inhibition of arachidonic acid release by nordihydroguaiaretic acid and its antioxidant action in rat alveolar macrophages and chinese hamster lung fibroblasts. Toxicology and Applied Pharmacology, 1990, 105, 113-122.	1.3	38
126	Stimulation of the Rat Alveolar Macrophage Respiratory Burst by Extracellular Adenine Nucleotides. American Journal of Respiratory Cell and Molecular Biology, 1993, 9, 505-510.	1.4	38

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127	Sublethal oxidant stress induces a reversible increase in intracellular calcium dependent on NAD(P)H oxidation in rat alveolar macrophages. Archives of Biochemistry and Biophysics, 1992, 299, 83-91.	1.4	37
128	Quinones increase Î³-glutamyl transpeptidase expression by multiple mechanisms in rat lung epithelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1998, 274, L330-L336.	1.3	37
129	Introduction to serial reviews on 4-hydroxy-2-nonenal as a signaling molecule. Free Radical Biology and Medicine, 2004, 37, 594-596.	1.3	36
130	4-Hydroxynonenal increases Î³-glutamyl transpeptidase gene expression through mitogen-activated protein kinase pathways. Free Radical Biology and Medicine, 2005, 38, 463-471.	1.3	36
131	Aging attenuates redox adaptive homeostasis and proteostasis in female mice exposed to traffic-derived nanoparticles (â€˜vehicular smogâ€™). Free Radical Biology and Medicine, 2018, 121, 86-97.	1.3	36
132	Effects of t-butyl hydroperoxide on NADPH, glutathione, and the respiratory burst of rat alveolar macrophages. Archives of Biochemistry and Biophysics, 1985, 243, 325-331.	1.4	35
133	Inhibition by linoleic acid hydroperoxide of alveolar macrophage superoxide production: Effects upon mitochondrial and plasma membrane potentials. Archives of Biochemistry and Biophysics, 1989, 274, 443-452.	1.4	35
134	Ethanol modulation of rat alveolar macrophage superoxide production. Biochemical Pharmacology, 1988, 37, 3528-3531.	2.0	33
135	Hyperthermic stress-induced increase in the expression of glutamate-cysteine ligase and glutathione levels in the symbiotic sea anemone Aiptasia pallida. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2008, 151, 133-138.	0.7	33
136	Iron-mediated lipid peroxidation and lipid raft disruption in low-dose silica-induced macrophage cytokine production. Free Radical Biology and Medicine, 2011, 51, 1184-1194.	1.3	31
137	Competition of nuclear factor-erythroid 2 factors related transcription factor isoforms, Nrf1 and Nrf2, in antioxidant enzyme induction. Redox Biology, 2013, 1, 183-189.	3.9	31
138	Delayed Nrf2-regulated antioxidant gene induction in response to silica nanoparticles. Free Radical Biology and Medicine, 2017, 108, 311-319.	1.3	31
139	TGFÎ²1 rapidly activates Src through a non-canonical redox signaling mechanism. Archives of Biochemistry and Biophysics, 2015, 568, 1-7.	1.4	30
140	Modulation of the alveolar macrophage respiratory burst by hydroperoxides. Free Radical Biology and Medicine, 1995, 18, 37-45.	1.3	29
141	Induction of glutathione synthesis by oxidized low-density lipoprotein and 1-palmitoyl-2-arachidonyl phosphatidylcholine: protection against quinone-mediated oxidative stress. Biochemical Journal, 2002, 362, 51.	1.7	29
142	Redox modulation of the hepatitis C virus replication complex is calcium dependent. Free Radical Biology and Medicine, 2006, 41, 1488-1498.	1.3	29
143	Resveratrol protects SR-B1 levels in keratinocytes exposed to cigarette smoke. Free Radical Biology and Medicine, 2014, 69, 50-57.	1.3	29
144	Glutathione peroxidase 8 is transcriptionally regulated by HIFÎ± and modulates growth factor signaling in HeLa cells. Free Radical Biology and Medicine, 2015, 81, 58-68.	1.3	28

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145	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.	1.3	27
146	Air Pollution Neurotoxicity in the Adult Brain: Emerging Concepts from Experimental Findings. Journal of Alzheimer's Disease, 2020, 76, 773-797.	1.2	27
147	Activation of the mitochondrial caspase cascade in the absence of protein synthesis does not require c-Jun N-terminal kinase. Archives of Biochemistry and Biophysics, 2002, 405, 231-240.	1.4	26
148	Repeated Inhalation Exposures to the Bioactivated Cytotoxicant Naphthalene (NA) Produce Airway-Specific Clara Cell Tolerance in Mice. Toxicological Sciences, 2003, 75, 161-168.	1.4	26
149	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.	1.3	26
150	SHP-1 Inhibition by 4-Hydroxynonenal Activates Jun N-Terminal Kinase and Glutamate Cysteine Ligase. American Journal of Respiratory Cell and Molecular Biology, 2008, 39, 97-104.	1.4	26
151	Mammalian dihydroorotate dehydrogenase: Physical and catalytic properties of the primary enzyme. Archives of Biochemistry and Biophysics, 1978, 191, 23-31.	1.4	25
152	[7] Measurement of Î³-glutamyl transpeptidase and Î³-glutamylcysteine synthetase activities in cells. Methods in Enzymology, 1995, 252, 66-71.	0.4	25
153	Detecting and identifying volatile aldehydes as dinitrophenylhydrazones using gas chromatography mass spectrometry. Free Radical Biology and Medicine, 1995, 18, 553-557.	1.3	25
154	Introduction to Special Issue on â€˜Nrf2 Regulated Redox Signaling and Metabolism in Physiology and Medicine. Free Radical Biology and Medicine, 2015, 88, 91-92.	1.3	25
155	Cell-based assays that predict in vivo neurotoxicity of urban ambient nano-sized particulate matter. Free Radical Biology and Medicine, 2019, 145, 33-41.	1.3	25
156	Priming of Alveolar Macrophage Respiratory Burst by H2O2Is Prevented by Phosphatidylcholine-Specific Phospholipase C Inhibitor Tricyclodecan-9-yl-xanthate (D609). Journal of Pharmacology and Experimental Therapeutics, 2002, 301, 87-94.	1.3	24
157	Role of Selenium-Dependent Glutathione Peroxidase in Antioxidant Defenses in Rat Alveolar Macrophages. Experimental Lung Research, 1988, 14, 921-936.	0.5	23
158	Bio-effectiveness of Tat-catalase conjugate: a potential tool for the identification of H2O2-dependent cellular signal transduction pathways. Biochemical and Biophysical Research Communications, 2003, 303, 287-293.	1.0	23
159	Resveratrol and 4-hydroxynonenal act in concert to increase glutamate cysteine ligase expression and glutathione in human bronchial epithelial cells. Archives of Biochemistry and Biophysics, 2009, 481, 110-115.	1.4	23
160	Oxygen toxicity: Loss of lung macrophage function without metabolite depletion. Journal of Free Radicals in Biology & Medicine, 1985, 1, 209-214.	2.1	22
161	Temporal changes in glutathione biosynthesis during the lipopolysaccharide-induced inflammatory response of THP-1 macrophages. Free Radical Biology and Medicine, 2017, 113, 304-310.	1.3	22
162	Keap1 controls protein S-nitrosation and apoptosis-senescence switch in endothelial cells. Redox Biology, 2020, 28, 101304.	3.9	22

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163	Mouse brain transcriptome responses to inhaled nanoparticulate matter differed by sex and APOE in Nrf2-Nfkb interactions. ELife, 2020, 9, .	2.8	22
164	A dual role for calcium in regulation of superoxide generation by stimulated rat alveolar macrophages. Biochimica Et Biophysica Acta - Molecular Cell Research, 1987, 928, 137-143.	1.9	20
165	Augmentation of Superoxide Dismutase and Catalase Activity in Alveolar Type II Cells. American Journal of Respiratory Cell and Molecular Biology, 1991, 4, 364-368.	1.4	20
166	Modulation of ADP-Stimulated Inositol Phosphate Metabolism in Rat Alveolar Macrophages by Oxidative Stress. Archives of Biochemistry and Biophysics, 1995, 318, 215-220.	1.4	20
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