

Roland Stocker

List of Publications by Year in descending order

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Version: 2024-02-01

198
papers

18,230
citations

9254

74
h-index

13365

130
g-index

202
all docs

202
docs citations

202
times ranked

20473
citing authors

#	ARTICLE	IF	CITATIONS
1	Arterial myeloperoxidase in the detection and treatment of vulnerable atherosclerotic plaque: a new dawn for an old light. <i>Cardiovascular Research</i> , 2023, 119, 112-120.	1.8	7
2	The role of mitochondrial reactive oxygen species in insulin resistance. <i>Free Radical Biology and Medicine</i> , 2022, 179, 339-362.	1.3	19
3	Hmx1 (Heme Oxygenase-1) Protects Against Ischemia-Mediated Injury via Stabilization of HIF-1 α (Hypoxia-Inducible Factor-1 α). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 317-330.	1.1	36
4	Regulation of vascular tone and blood pressure by singlet molecular oxygen in inflammation. <i>Current Opinion in Nephrology and Hypertension</i> , 2021, 30, 145-150.	1.0	4
5	Methylene blue and ascorbate interfere with the accurate determination of the kinetic properties of IDO2. <i>FEBS Journal</i> , 2021, 288, 4892-4904.	2.2	6
6	Highly Efficient Activatable MRI Probe to Sense Myeloperoxidase Activity. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 5874-5885.	2.9	15
7	Preparation, validation and use of a vasoactive tryptophan-derived hydroperoxide and relevant control compounds. <i>Nature Protocols</i> , 2021, 16, 3382-3418.	5.5	1
8	Bilirubin deficiency renders mice susceptible to hepatic steatosis in the absence of insulin resistance. <i>Redox Biology</i> , 2021, 47, 102152.	3.9	17
9	Genetic screening reveals phospholipid metabolism as a key regulator of the biosynthesis of the redox-active lipid coenzyme Q. <i>Redox Biology</i> , 2021, 46, 102127.	3.9	8
10	Hydrogen peroxide signaling via its transformation to a stereospecific alkyl hydroperoxide that escapes reductive inactivation. <i>Nature Communications</i> , 2021, 12, 6626.	5.8	6
11	AGPAT2 interaction with CDP-diacylglycerol synthases promotes the flux of fatty acids through the CDP-diacylglycerol pathway. <i>Nature Communications</i> , 2021, 12, 6877.	5.8	17
12	Long-Term Effects of Biliverdin Reductase a Deficiency in Ugt1 α / α Mice: Impact on Redox Status and Metabolism. <i>Antioxidants</i> , 2021, 10, 2029.	2.2	3
13	Cultivation at high osmotic pressure confers ubiquinone δ -independent protection of respiration on <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2020, 295, 981-993.	1.6	4
14	COQ11 deletion mitigates respiratory deficiency caused by mutations in the gene encoding the coenzyme Q chaperone protein Coq10. <i>Journal of Biological Chemistry</i> , 2020, 295, 6023-6042.	1.6	11
15	Cultivation at high osmotic pressure confers ubiquinone δ -independent protection of respiration on <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2020, 295, 981-993.	1.6	10
16	Pharmacological characterization of the seven human NOX isoforms and their inhibitors. <i>Redox Biology</i> , 2019, 26, 101272.	3.9	136
17	Barocycler-Based Concurrent Multiomics Method To Assess Molecular Changes Associated with Atherosclerosis Using Small Amounts of Arterial Tissue from a Single Mouse. <i>Analytical Chemistry</i> , 2019, 91, 12670-12679.	3.2	8
18	Inhibition of MPO (Myeloperoxidase) Attenuates Endothelial Dysfunction in Mouse Models of Vascular Inflammation and Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 1448-1457.	1.1	79

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19	Singlet molecular oxygen regulates vascular tone and blood pressure in inflammation. <i>Nature</i> , 2019, 566, 548-552.	13.7	84
20	Reactivation of Dihydroorotate Dehydrogenase-Driven Pyrimidine Biosynthesis Restores Tumor Growth of Respiration-Deficient Cancer Cells. <i>Cell Metabolism</i> , 2019, 29, 399-416.e10.	7.2	190
21	Transition to 37°C reveals importance of NADPH in mitigating oxidative stress in stored RBCs. <i>JCI Insight</i> , 2019, 4, .	2.3	8
22	Cryo-EM reveals distinct conformations of E. coli ATP synthase on exposure to ATP. <i>ELife</i> , 2019, 8, .	2.8	48
23	Mitochondrial oxidative stress causes insulin resistance without disrupting oxidative phosphorylation. <i>Journal of Biological Chemistry</i> , 2018, 293, 7315-7328.	1.6	110
24	Flavonoid-Rich Apple Improves Endothelial Function in Individuals at Risk for Cardiovascular Disease: A Randomized Controlled Clinical Trial. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700674.	1.5	65
25	Absence of the biliverdin reductase-a gene is associated with increased endogenous oxidative stress. <i>Free Radical Biology and Medicine</i> , 2018, 115, 156-165.	1.3	53
26	Mitochondrial CoQ deficiency is a common driver of mitochondrial oxidants and insulin resistance. <i>ELife</i> , 2018, 7, .	2.8	91
27	Myeloperoxidase is a potential molecular imaging and therapeutic target for the identification and stabilization of high-risk atherosclerotic plaque. <i>European Heart Journal</i> , 2018, 39, 3301-3310.	1.0	91
28	Structural requirements of flavonoids to induce heme oxygenase-1 expression. <i>Free Radical Biology and Medicine</i> , 2017, 113, 165-175.	1.3	24
29	Characterization of plasma labile heme in hemolytic conditions. <i>FEBS Journal</i> , 2017, 284, 3278-3301.	2.2	55
30	NAD Deficiency, Congenital Malformations, and Niacin Supplementation. <i>New England Journal of Medicine</i> , 2017, 377, 544-552.	13.9	177
31	NADPH oxidases as drug targets and biomarkers in neurodegenerative diseases: What is the evidence?. <i>Free Radical Biology and Medicine</i> , 2017, 112, 387-396.	1.3	88
32	The roles of myeloperoxidase in coronary artery disease and its potential implication in plaque rupture. <i>Redox Report</i> , 2017, 22, 51-73.	1.4	154
33	Roles of Hydrogen Peroxide in the Regulation of Vascular Tone. , 2017, , 423-448.		2
34	Response to I. Batinic-Haberle et al.. <i>Antioxidants and Redox Signaling</i> , 2016, 24, 525-526.	2.5	0
35	Evaluation of NADPH oxidases as drug targets in a mouse model of familial amyotrophic lateral sclerosis. <i>Free Radical Biology and Medicine</i> , 2016, 97, 95-108.	1.3	47
36	Antioxidant defenses in human blood plasma and extra-cellular fluids. <i>Archives of Biochemistry and Biophysics</i> , 2016, 595, 136-139.	1.4	11

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37	Absence of systemic oxidative stress and increased CSF prostaglandin F ₂ in progressive MS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2016, 3, e256.	3.1	15
38	Biodegradable and plasma-treated electrospun scaffolds coated with recombinant α -factored integrin α 3 for accelerating wound healing and tissue regeneration. <i>Wound Repair and Regeneration</i> , 2016, 24, 1030-1035.	1.5	14
39	Heme Oxygenases in Cardiovascular Health and Disease. <i>Physiological Reviews</i> , 2016, 96, 1449-1508.	13.1	168
40	Behavioral and cognitive data in mice with different tryptophan-metabolizing enzymes knocked out. <i>Data in Brief</i> , 2016, 9, 275-287.	0.5	4
41	Deletion of TDO2, IDO-1 and IDO-2 differentially affects mouse behavior and cognitive function. <i>Behavioural Brain Research</i> , 2016, 312, 102-117.	1.2	52
42	Detailed protocol to assess in vivo and ex vivo myeloperoxidase activity in mouse models of vascular inflammation and disease using hydroethidine. <i>Free Radical Biology and Medicine</i> , 2016, 97, 124-135.	1.3	29
43	AarF Domain Containing Kinase 3 (ADCK3) Mutant Cells Display Signs of Oxidative Stress, Defects in Mitochondrial Homeostasis and Lysosomal Accumulation. <i>PLoS ONE</i> , 2016, 11, e0148213.	1.1	15
44	Heme oxygenase-1 deficiency alters erythroblastic island formation, steady-state erythropoiesis and red blood cell lifespan in mice. <i>Haematologica</i> , 2015, 100, 601-610.	1.7	39
45	Antioxidants in Translational Medicine. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 1130-1143.	2.5	201
46	CoQ ₁₀ Function and Role in Heart Failure and Ischemic Heart Disease. <i>Annual Review of Nutrition</i> , 2015, 35, 175-213.	4.3	52
47	Therapeutic targeting of oxidative stress with coenzyme Q10 counteracts exaggerated diabetic cardiomyopathy in a mouse model of diabetes with diminished PI3K(p110 α) signaling. <i>Free Radical Biology and Medicine</i> , 2015, 87, 137-147.	1.3	63
48	Clinical Relevance of Biomarkers of Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 1144-1170.	2.5	604
49	Pharmacology and Clinical Drug Candidates in Redox Medicine. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 1113-1129.	2.5	75
50	Reactive Oxygen-Related Diseases: Therapeutic Targets and Emerging Clinical Indications. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 1171-1185.	2.5	120
51	The Role of Placental Tryptophan Catabolism. <i>Frontiers in Immunology</i> , 2014, 5, 230.	2.2	80
52	Assessment of Myeloperoxidase Activity by the Conversion of Hydroethidine to 2-Chloroethidium. <i>Journal of Biological Chemistry</i> , 2014, 289, 5580-5595.	1.6	41
53	New Insights into Intracellular Locations and Functions of Heme Oxygenase-1. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 1723-1742.	2.5	130
54	Tryptophan catabolism is unaffected in chronic granulomatous disease. <i>Nature</i> , 2014, 514, E16-E17.	13.7	12

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55	A Critical Role for Thioredoxin-Interacting Protein in Diabetes-Related Impairment of Angiogenesis. <i>Diabetes</i> , 2014, 63, 675-687.	0.3	57
56	Letter by Stocker and Maghzal Regarding Article, "Mitochondrial DNA Damage Can Promote Atherosclerosis Independently of Reactive Oxygen Species Through Effects on Smooth Muscle Cells and Monocytes and Correlates With Higher-Risk Plaques in Humans". <i>Circulation</i> , 2014, 129, e407.	1.6	0
57	Reactive species and oxidative stress in optic nerve vulnerable to secondary degeneration. <i>Experimental Neurology</i> , 2014, 261, 136-146.	2.0	32
58	Biomarkers of oxidative stress study V: Ozone exposure of rats and its effect on lipids, proteins, and DNA in plasma and urine. <i>Free Radical Biology and Medicine</i> , 2013, 61, 408-415.	1.3	47
59	Dietary quercetin attenuates oxidant-induced endothelial dysfunction and atherosclerosis in apolipoprotein E knockout mice fed a high-fat diet: A critical role for heme oxygenase-1. <i>Free Radical Biology and Medicine</i> , 2013, 65, 908-915.	1.3	111
60	The benefit of coenzyme Q10 supplements in the management of chronic heart failure: a long tale of promise in the continued absence of clear evidence. <i>American Journal of Clinical Nutrition</i> , 2013, 97, 233-234.	2.2	8
61	Neutrophil-mediated oxidation of erythrocyte peroxiredoxin 2 as a potential marker of oxidative stress in inflammation. <i>FASEB Journal</i> , 2013, 27, 3315-3322.	0.2	41
62	DNAzyme Targeting c-jun Suppresses Skin Cancer Growth. <i>Science Translational Medicine</i> , 2012, 4, 139ra82.	5.8	60
63	Flavivirus infection induces indoleamine 2,3-dioxygenase in human monocyte-derived macrophages via tumor necrosis factor and NF- κ B. <i>Journal of Leukocyte Biology</i> , 2012, 91, 657-666.	1.5	37
64	Serum Amyloid A in Uremic HDL Promotes Inflammation. <i>Journal of the American Society of Nephrology: JASN</i> , 2012, 23, 934-947.	3.0	194
65	Quercetin and its metabolites improve vessel function by inducing eNOS activity via phosphorylation of AMPK. <i>Biochemical Pharmacology</i> , 2012, 84, 1036-1044.	2.0	95
66	Detection of reactive oxygen species derived from the family of NOX NADPH oxidases. <i>Free Radical Biology and Medicine</i> , 2012, 53, 1903-1918.	1.3	130
67	Actions of antioxidants in the protection against atherosclerosis. <i>Free Radical Biology and Medicine</i> , 2012, 53, 863-884.	1.3	112
68	Increased expression of the TGF- β superfamily cytokine MIC-1/GDF15 protects ApoE ^{-/-} mice from the development of atherosclerosis. <i>Cardiovascular Pathology</i> , 2012, 21, 499-505.	0.7	64
69	Destroying c-jun Messenger: New Insights into Biological Mechanisms of DNAzyme Function. <i>Oncotarget</i> , 2012, 3, 594-595.	0.8	2
70	Succinobucol induces apoptosis in vascular smooth muscle cells. <i>Free Radical Biology and Medicine</i> , 2012, 52, 871-879.	1.3	9
71	Sustained expression of heme oxygenase-1 alters iron homeostasis in nonerythroid cells. <i>Free Radical Biology and Medicine</i> , 2012, 53, 366-374.	1.3	21
72	Tryptophan metabolism to kynurenine is a potential novel contributor to hypotension in human sepsis*. <i>Critical Care Medicine</i> , 2011, 39, 2678-2683.	0.4	105

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73	Quinine-induced thrombocytopenia: drug-dependent GPIIb/IX antibodies inhibit megakaryocyte and proplatelet production in vitro. <i>Blood</i> , 2011, 117, 5975-5986.	0.6	31
74	Biomarkers of Oxidative Stress Study IV: Ozone exposure of rats and its effect on antioxidants in plasma and bronchoalveolar lavage fluid. <i>Free Radical Biology and Medicine</i> , 2011, 51, 1636-1642.	1.3	25
75	Vascular expression, activity and function of indoleamine 2,3-dioxygenase-1 following cerebral ischaemia–reperfusion in mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2011, 383, 471-481.	1.4	23
76	Heme Oxygenase-1: A Critical Link between Iron Metabolism, Erythropoiesis, and Development. <i>Advances in Hematology</i> , 2011, 2011, 1-6.	0.6	55
77	The Yeast Homolog of Heme Oxygenase-1 Affords Cellular Antioxidant Protection via the Transcriptional Regulation of Known Antioxidant Genes. <i>Journal of Biological Chemistry</i> , 2011, 286, 2205-2214.	1.6	36
78	Turning Catabolism into Usefulness—A Jaundiced View. <i>Clinical Chemistry</i> , 2011, 57, 1612-1613.	1.5	3
79	The lipophilic antioxidants Î±-tocopherol and coenzyme Q10 reduce the replicative lifespan of <i>Saccharomyces cerevisiae</i> . <i>Free Radical Biology and Medicine</i> , 2010, 49, 237-244.	1.3	27
80	Equivalent lipid oxidation profiles in advanced atherosclerotic lesions of carotid endarterectomy plaques obtained from symptomatic type 2 diabetic and nondiabetic subjects. <i>Free Radical Biology and Medicine</i> , 2010, 49, 481-486.	1.3	16
81	Kynurenine is an endothelium-derived relaxing factor produced during inflammation. <i>Nature Medicine</i> , 2010, 16, 279-285.	15.2	418
82	Specific Dietary Polyphenols Attenuate Atherosclerosis in Apolipoprotein E–Knockout Mice by Alleviating Inflammation and Endothelial Dysfunction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 749-757.	1.1	251
83	Interplay Between Heme Oxygenase-1 and the Multifunctional Transcription Factor Yin Yang 1 in the Inhibition of Intimal Hyperplasia. <i>Circulation Research</i> , 2010, 107, 1490-1497.	2.0	35
84	Angiotensin II–Inducible Smooth Muscle Cell Apoptosis Involves the Angiotensin II Type 2 Receptor, GATA-6 Activation, and FasL-Fas Engagement. <i>Circulation Research</i> , 2009, 105, 422-430.	2.0	31
85	Reply to Sedlak and Snyder: The Little Bighorn of the Biliverdin Reductase Amplification Cycle. <i>Journal of Biological Chemistry</i> , 2009, 284, 1e12.	1.6	3
86	Heme oxygenase and iron: from bacteria to humans. <i>Redox Report</i> , 2009, 14, 95-101.	1.4	45
87	Heme Oxygenase-1 Increases Endothelial Progenitor Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1537-1542.	1.1	73
88	A sensitive and specific ELISA detects methionine sulfoxide-containing apolipoprotein A-I in HDL. <i>Journal of Lipid Research</i> , 2009, 50, 586-594.	2.0	21
89	Limited Role for the Bilirubin-Biliverdin Redox Amplification Cycle in the Cellular Antioxidant Protection by Biliverdin Reductase. <i>Journal of Biological Chemistry</i> , 2009, 284, 29251-29259.	1.6	84
90	Insulin resistance is a cellular antioxidant defense mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17787-17792.	3.3	449

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91	Acute hypertriglyceridaemia in humans increases the triglyceride content and decreases the anti-inflammatory capacity of high density lipoproteins. <i>Atherosclerosis</i> , 2009, 204, 424-428.	0.4	81
92	Molecular mechanisms underlying the antiatherosclerotic and antidiabetic effects of probucol, succinobucol, and other probucol analogues. <i>Current Opinion in Lipidology</i> , 2009, 20, 227-235.	1.2	38
93	Cytochrome b5, Not Superoxide Anion Radical, Is a Major Reductant of Indoleamine 2,3-Dioxygenase in Human Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 12014-12025.	1.6	65
94	Anti-atherosclerotic and anti-diabetic properties of probucol and related compounds. <i>Redox Report</i> , 2008, 13, 48-59.	1.4	22
95	Post-translational Regulation of Human Indoleamine 2,3-Dioxygenase Activity by Nitric Oxide*. <i>Journal of Biological Chemistry</i> , 2007, 282, 23778-23787.	1.6	88
96	Pharmacologic Induction of Heme Oxygenase-1. <i>Antioxidants and Redox Signaling</i> , 2007, 9, 2227-2240.	2.5	82
97	Hydrogen Peroxide Promotes Endothelial Dysfunction by Stimulating Multiple Sources of Superoxide Anion Radical Production and Decreasing Nitric Oxide Bioavailability. <i>Cellular Physiology and Biochemistry</i> , 2007, 20, 255-268.	1.1	68
98	Probucol [4,4-((1-Methylethylidene)bis(thio))bis-[2,6-bis(1,1-dimethylethyl)phenol]] Inhibits Compensatory Remodeling and Promotes Lumen Loss Associated with Atherosclerosis in Apolipoprotein E-Deficient Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 321, 477-484.	1.3	25
99	Characterization of an indoleamine 2,3-dioxygenase-like protein found in humans and mice. <i>Gene</i> , 2007, 396, 203-213.	1.0	400
100	Characterization of the kynurenine pathway in human oligodendrocytes. <i>International Congress Series</i> , 2007, 1304, 213-217.	0.2	26
101	Heme moves to center stage in cerebral malaria. <i>Nature Medicine</i> , 2007, 13, 667-669.	15.2	27
102	Inhibition of atherosclerosis by the serine palmitoyl transferase inhibitor myriocin is associated with reduced plasma glycosphingolipid concentration. <i>Biochemical Pharmacology</i> , 2007, 73, 1340-1346.	2.0	66
103	Improved analysis of hydroethidine and 2-hydroxyethidium by HPLC and electrochemical detection. <i>Free Radical Biology and Medicine</i> , 2007, 43, 1095-1096.	1.3	24
104	Vitamin E. <i>Novartis Foundation Symposium</i> , 2007, 282, 77-92.	1.2	13
105	Antioxidants protect from atherosclerosis by a heme oxygenase-1 pathway that is independent of free radical scavenging. <i>Journal of Experimental Medicine</i> , 2006, 203, 1117-1127.	4.2	142
106	Intimal thickening after arterial balloon injury is increased by intermittent repetitive hypoxia, but intermittent repetitive hyperoxia is not protective. <i>Atherosclerosis</i> , 2006, 185, 254-263.	0.4	13
107	Neither plasma coenzyme Q10 concentration, nor its decline during pravastatin therapy, is linked to recurrent cardiovascular disease events: A prospective case-control study from the LIPID study. <i>Atherosclerosis</i> , 2006, 187, 198-204.	0.4	22
108	Probucol inhibits in-stent thrombosis and neointimal hyperplasia by promoting re-endothelialization. <i>Atherosclerosis</i> , 2006, 189, 342-349.	0.4	38

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109	Low levels of docosahexaenoic acid identified in acute coronary syndrome patients with depression. <i>Psychiatry Research</i> , 2006, 141, 279-286.	1.7	43
110	Oxidant Stress and Damage in Post-Ischemic Mouse Hearts: Effects of Adenosine. <i>Molecular and Cellular Biochemistry</i> , 2006, 287, 165-175.	1.4	20
111	Protective effect of vitamin E supplements on experimental atherosclerosis is modest and depends on preexisting vitamin E deficiency. <i>Free Radical Biology and Medicine</i> , 2006, 41, 722-730.	1.3	41
112	Heme Oxygenase-1. <i>Circulation</i> , 2006, 114, 2178-2189.	1.6	209
113	Lack of the antioxidant glutathione peroxidase-1 does not increase atherosclerosis in C57BL/6 mice fed a high-fat diet. <i>Journal of Lipid Research</i> , 2006, 47, 1157-1167.	2.0	52
114	Characterization of the oxidation products of BO-653 formed during peroxy radical-mediated oxidation of human plasma. <i>Free Radical Biology and Medicine</i> , 2005, 38, 32-40.	1.3	4
115	Probucol Protects against Hypochlorite-induced Endothelial Dysfunction. <i>Journal of Biological Chemistry</i> , 2005, 280, 15612-15618.	1.6	37
116	Processes Involved in the Site-Specific Effect of Probucol on Atherosclerosis in Apolipoprotein E Gene Knockout Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 1684-1690.	1.1	32
117	Human S-Nitroso Oxymyoglobin Is a Store of Vasoactive Nitric Oxide. <i>Journal of Biological Chemistry</i> , 2005, 280, 9985-9993.	1.6	34
118	Cosupplementation with vitamin E and coenzyme Q10 reduces circulating markers of inflammation in baboons. <i>American Journal of Clinical Nutrition</i> , 2004, 80, 649-655.	2.2	88
119	Dealcoholized red wine decreases atherosclerosis in apolipoprotein E gene-deficient mice independently of inhibition of lipid peroxidation in the artery wall. <i>American Journal of Clinical Nutrition</i> , 2004, 79, 123-130.	2.2	87
120	Vitamin E Is Not Deficient in Human Atherosclerotic Plaques. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004, 24, e139-40; author reply e141-2.	1.1	3
121	Probucol Protects Against Smooth Muscle Cell Proliferation by Upregulating Heme Oxygenase-1. <i>Circulation</i> , 2004, 110, 1855-1860.	1.6	112
122	Regulation of vascular tone by S-nitroso-myoglobin. <i>Redox Report</i> , 2004, 9, 382-386.	1.4	4
123	Antioxidant Activities of Bile Pigments. <i>Antioxidants and Redox Signaling</i> , 2004, 6, 841-849.	2.5	261
124	Simultaneous Determination of Coenzyme Q10, Cholesterol, and Major Cholesterylesters in Human Blood Plasma. <i>Methods in Enzymology</i> , 2004, 378, 162-169.	0.4	9
125	Role of Oxidative Modifications in Atherosclerosis. <i>Physiological Reviews</i> , 2004, 84, 1381-1478.	13.1	2,186
126	Hypochlorous Acid Impairs Endothelium-Derived Nitric Oxide Bioactivity Through a Superoxide-Dependent Mechanism. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004, 24, 2028-2033.	1.1	77

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127	Antioxidant Activities of Bile Pigments. <i>Antioxidants and Redox Signaling</i> , 2004, 6, 841-849.	2.5	65
128	Coenzyme Q10 supplementation inhibits aortic lipid oxidation but fails to attenuate intimal thickening in balloon-injured New Zealand white rabbits. <i>Free Radical Biology and Medicine</i> , 2003, 35, 300-309.	1.3	12
129	Characterization of specifically oxidized apolipoproteins in mildly oxidized high density lipoprotein. <i>Journal of Lipid Research</i> , 2003, 44, 349-355.	2.0	56
130	Probucol Promotes Functional Reendothelialization in Balloon-Injured Rabbit Aortas. <i>Circulation</i> , 2003, 107, 2031-2036.	1.6	104
131	Vitamin E Oxidation in Human Atherosclerotic Lesions. <i>Circulation Research</i> , 2002, 90, 333-339.	2.0	91
132	Plasmodium falciparum Histidine-rich Protein-2 (PfHRP2) Modulates the Redox Activity of Ferri-protoporphyrin IX (FePPIX). <i>Journal of Biological Chemistry</i> , 2002, 277, 14514-14520.	1.6	17
133	Disease Stage-Dependent Accumulation of Lipid and Protein Oxidation Products in Human Atherosclerosis. <i>American Journal of Pathology</i> , 2002, 160, 701-710.	1.9	128
134	The use of antioxidant supplements in coronary heart disease. <i>Atherosclerosis</i> , 2002, 164, 211-219.	0.4	109
135	Comparison of the effects of α -tocopherol, ubiquinone-10 and probucol at therapeutic doses on atherosclerosis in WHHL rabbits. <i>Atherosclerosis</i> , 2002, 163, 249-259.	0.4	35
136	Lack of inhibitory effect of HDL on TNF α -induced adhesion molecule expression in human aortic endothelial cells. <i>Atherosclerosis</i> , 2002, 165, 241-249.	0.4	18
137	The Heme Environment of Recombinant Human Indoleamine 2,3-Dioxygenase. <i>Journal of Biological Chemistry</i> , 2002, 277, 15788-15794.	1.6	87
138	Is hypochlorous acid (HOCl) involved in age-related nuclear cataract?. <i>Australasian journal of optometry</i> , The, 2002, 85, 97-100.	0.6	2
139	Increased glycosphingolipid levels in serum and aortae of apolipoprotein E gene knockout mice. <i>Journal of Lipid Research</i> , 2002, 43, 205-14.	2.0	50
140	Reaction of Human Myoglobin and Peroxynitrite: Characterizing Biomarkers for Myoglobin-Derived Oxidative Stress. <i>Biochemical and Biophysical Research Communications</i> , 2001, 286, 352-356.	1.0	16
141	Is Ischemia Involved in the Pathogenesis of Murine Cerebral Malaria?. <i>American Journal of Pathology</i> , 2001, 159, 1105-1112.	1.9	62
142	Oxidants and antioxidants in atherosclerosis. <i>Current Opinion in Lipidology</i> , 2001, 12, 411-418.	1.2	90
143	Relative reactivities of N-chloramines and hypochlorous acid with human plasma constituents. <i>Free Radical Biology and Medicine</i> , 2001, 30, 526-536.	1.3	69
144	Correlation between intima-to-media ratio, apolipoprotein B-100, myeloperoxidase, and hypochlorite-oxidized proteins in human atherosclerosis. <i>Free Radical Biology and Medicine</i> , 2001, 31, 1254-1262.	1.3	72

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145	Effect of vitamin E on aortic lipid oxidation and intimal proliferation after arterial injury in cholesterol-fed rabbits. <i>Free Radical Biology and Medicine</i> , 2001, 31, 1245-1253.	1.3	51
146	Antioxidants Inhibit Indoleamine 2,3-Dioxygenase in IFN- γ -Activated Human Macrophages: Posttranslational Regulation by Pyrrolidine Dithiocarbamate. <i>Journal of Immunology</i> , 2001, 166, 6332-6340.	0.4	111
147	ATP-binding Cassette Transporter A1 Mediates Cellular Secretion of α -Tocopherol. <i>Journal of Biological Chemistry</i> , 2001, 276, 39898-39902.	1.6	155
148	Dietary Cosupplementation With Vitamin E and Coenzyme Q ₁₀ Inhibits Atherosclerosis in Apolipoprotein E Gene Knockout Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 585-593.	1.1	134
149	Molecular action of vitamin E in lipoprotein oxidation:.. <i>Free Radical Biology and Medicine</i> , 2000, 28, 1795-1805.	1.3	141
150	Anti-atherogenic effect of coenzyme Q10 in apolipoprotein E gene knockout mice11Dedicated to Lars Ernster for his pioneering contributions to research into coenzyme Q and his genuine passion and enthusiasm we were privileged to experience.. <i>Free Radical Biology and Medicine</i> , 2000, 29, 295-305.	1.3	98
151	Site-Specific Antiatherogenic Effect of Probucol in Apolipoprotein E-deficient Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000, 20, E26-33.	1.1	70
152	Oxidation of Methionine Residues to Methionine Sulfoxides Does Not Decrease Potential Antiatherogenic Properties of Apolipoprotein A-I. <i>Journal of Biological Chemistry</i> , 2000, 275, 19536-19544.	1.6	66
153	Myeloperoxidase binds to low-density lipoprotein: potential implications for atherosclerosis. <i>FEBS Letters</i> , 2000, 487, 176-180.	1.3	86
154	Oral vitamin C and endothelial function in smokers: short-term improvement, but no sustained beneficial effect. <i>Journal of the American College of Cardiology</i> , 2000, 35, 1616-1621.	1.2	100
155	Inhibition by a coantioxidant of aortic lipoprotein lipid peroxidation and atherosclerosis in apolipoprotein E and low density lipoprotein receptor gene double knockout mice. <i>FASEB Journal</i> , 1999, 13, 667-675.	0.2	92
156	Tocopherol-mediated peroxidation of lipoproteins: implications for vitamin E as a potential antiatherogenic supplement. <i>FASEB Journal</i> , 1999, 13, 977-994.	0.2	288
157	Coexistence of Oxidized Lipids and α -Tocopherol in All Lipoprotein Density Fractions Isolated From Advanced Human Atherosclerotic Plaques. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999, 19, 1708-1718.	1.1	106
158	[33] Assessment of prooxidant activity of vitamin E in human low-density lipoprotein and plasma. <i>Methods in Enzymology</i> , 1999, 299, 362-375.	0.4	41
159	A role for reduced coenzyme Q in atherosclerosis?. <i>BioFactors</i> , 1999, 9, 207-224.	2.6	64
160	The ambivalence of vitamin E in atherogenesis. <i>Trends in Biochemical Sciences</i> , 1999, 24, 219-223.	3.7	114
161	Lack of antioxidant activity of the antiatherogenic compound l-arginine. <i>Atherosclerosis</i> , 1999, 146, 329-335.	0.4	8
162	Lipid Oxidation in Human Low-Density Lipoprotein Induced by Metmyoglobin/H ₂ O ₂ : Involvement of α -Tocopheroxyl and Phosphatidylcholine Alkoxy Radicals. <i>Chemical Research in Toxicology</i> , 1999, 12, 1173-1181.	1.7	31

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163	Dietary and pharmacological antioxidants in atherosclerosis. <i>Current Opinion in Lipidology</i> , 1999, 10, 589-598.	1.2	95
164	Time-dependent changes to lipids and antioxidants in plasma and aortas of apolipoprotein E knockout mice. <i>Journal of Lipid Research</i> , 1999, 40, 1104-1112.	2.0	53
165	Dissociation of atherogenesis from aortic accumulation of lipid hydro(pero)xides in Watanabe heritable hyperlipidemic rabbits. <i>Journal of Clinical Investigation</i> , 1999, 104, 213-220.	3.9	104
166	Oxidation and Antioxidation of Human Low-Density Lipoprotein and Plasma Exposed to 3-Morpholinopyridone and Reagent Peroxynitrite. <i>Chemical Research in Toxicology</i> , 1998, 11, 484-494.	1.7	86
167	Oxidation of High Density Lipoproteins. <i>Journal of Biological Chemistry</i> , 1998, 273, 6080-6087.	1.6	168
168	Oxidation of High Density Lipoproteins. <i>Journal of Biological Chemistry</i> , 1998, 273, 6088-6095.	1.6	296
169	Oxidation of Free Fatty Acids in Low Density Lipoprotein by 15-Lipoxygenase Stimulates Nonenzymic, α -Tocopherol-mediated Peroxidation of Cholesteryl Esters. <i>Journal of Biological Chemistry</i> , 1997, 272, 30067-30074.	1.6	62
170	Plasma and LDL Levels of Major Lipophilic Antioxidants are Similar in Patients with Advanced Atherosclerosis and Age-Matched Controls. <i>Free Radical Research</i> , 1997, 26, 175-182.	1.5	27
171	Separation and Characterization of Cholesteryl Oxo- and Hydroxy-Linoleate Isolated from Human Atherosclerotic Plaque. <i>Free Radical Research</i> , 1997, 27, 397-408.	1.5	17
172	α -Tocopherol does not inhibit hypochlorite-induced oxidation of apolipoprotein B-100 of low-density lipoprotein. <i>FEBS Letters</i> , 1997, 414, 541-544.	1.3	75
173	Requirement for, Promotion, or Inhibition by α -Tocopherol of Radical-Induced Initiation of Plasma Lipoprotein Lipid Peroxidation. <i>Free Radical Biology and Medicine</i> , 1997, 22, 57-71.	1.3	241
174	Unexpected Dose Response of Copper Concentration on Lipoprotein Oxidation in Serum: Discovery of A Unique Peroxidase-Like Activity of Urate/Albumin in the Presence of High Copper Concentrations. <i>Free Radical Biology and Medicine</i> , 1997, 23, 699-705.	1.3	24
175	Radical-Initiated Lipid Peroxidation in Low Density Lipoproteins: Insights Obtained from Kinetic Modeling. <i>Chemical Research in Toxicology</i> , 1996, 9, 954-964.	1.7	64
176	3-Hydroxyanthranilic Acid Is an Efficient, Cell-derived Co-antioxidant for α -Tocopherol, Inhibiting Human Low Density Lipoprotein and Plasma Lipid Peroxidation. <i>Journal of Biological Chemistry</i> , 1996, 271, 32714-32721.	1.6	88
177	Cosupplementation With Coenzyme Q Prevents the Prooxidant Effect of α -Tocopherol and Increases the Resistance of LDL to Transition Metal-Dependent Oxidation Initiation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1996, 16, 687-696.	1.1	136
178	Cholesterylester hydroperoxide reducing activity associated with isolated high- and low-density lipoproteins. <i>Free Radical Biology and Medicine</i> , 1995, 18, 421-429.	1.3	62
179	Vitamin C redox reactions in blood of normal and malaria-infected mice studied with isoascorbate as a nonisotopic marker. <i>Free Radical Biology and Medicine</i> , 1995, 18, 543-552.	1.3	24
180	Is α -tocopherol a reservoir for α -tocopheryl hydroquinone?. <i>Free Radical Biology and Medicine</i> , 1995, 19, 197-207.	1.3	63

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181	Human Atherosclerotic Plaque Contains Both Oxidized Lipids and Relatively Large Amounts of α -Tocopherol and Ascorbate. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1995, 15, 1616-1624.	1.1	339
182	Prevention of Tocopherol-mediated Peroxidation in Ubiquinol-10-free Human Low Density Lipoprotein. <i>Journal of Biological Chemistry</i> , 1995, 270, 5756-5763.	1.6	186
183	Inverse deuterium kinetic isotope effect for peroxidation in human low-density lipoprotein (LDL): a simple test for tocopherol-mediated peroxidation of LDL lipids. <i>FEBS Letters</i> , 1995, 375, 45-49.	1.3	68
184	Oxidation of parenteral lipid emulsion by ambient and phototherapy lights: Potential toxicity of routine parenteral feeding. <i>Journal of Pediatrics</i> , 1995, 126, 785-790.	0.9	152
185	Immunologic Detection and Measurement of Hypochlorite-Modified LDL With Specific Monoclonal Antibodies. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1995, 15, 982-989.	1.1	128
186	[50] Rapid isolation of lipoproteins and assessment of their peroxidation by high-performance liquid chromatography postcolumn chemiluminescence. <i>Methods in Enzymology</i> , 1994, 233, 469-489.	0.4	299
187	Bilirubin attenuates radical-mediated damage to serum albumin. <i>FEBS Letters</i> , 1993, 331, 281-284.	1.3	151
188	Tocopherol-mediated peroxidation. The prooxidant effect of vitamin E on the radical-initiated oxidation of human low-density lipoprotein. <i>Journal of the American Chemical Society</i> , 1993, 115, 6029-6044.	6.6	718
189	Dietary supplementation with coenzyme Q10 results in increased levels of ubiquinol-10 within circulating lipoproteins and increased resistance of human low-density lipoprotein to the initiation of lipid peroxidation. <i>Lipids and Lipid Metabolism</i> , 1992, 1126, 247-254.	2.6	278
190	Simultaneous determination of 3-hydroxyanthranilic and cinnabaric acid by high-performance liquid chromatography with photometric or electrochemical detection. <i>Analytical Biochemistry</i> , 1992, 200, 273-279.	1.1	11
191	Peroxidation of low density lipoproteins and its prevention by natural antioxidants. <i>Free Radical Biology and Medicine</i> , 1990, 9, 71.	1.3	5
192	[31] Antioxidant activities of bile pigments: Biliverdin and bilirubin. <i>Methods in Enzymology</i> , 1990, 186, 301-309.	0.4	176
193	Induction of Haem Oxygenase as a Defence Against Oxidative Stress. <i>Free Radical Research Communications</i> , 1990, 9, 101-112.	1.8	307
194	Antioxidant Properties of Conjugated Bilirubin and Biliverdin: Biologically Relevant Scavenging of Hypochlorous Acid. <i>Free Radical Research Communications</i> , 1989, 6, 57-66.	1.8	99
195	Lipids from <i>Plasmodium vinckei</i> -infected erythrocytes and their susceptibility to oxidative damage. <i>Lipids</i> , 1987, 22, 51-57.	0.7	18
196	Antioxidants in plasma from mice infected with <i>Plasmodium vinckei</i> . <i>Biochemical and Biophysical Research Communications</i> , 1986, 134, 152-158.	1.0	23
197	Increased fluorescence polarization of 1,6-diphenyl-1,3,5-hexatriene in the phorbol myristate acetate-stimulated plasma membrane of human neutrophils. <i>FEBS Letters</i> , 1982, 144, 199-203.	1.3	28
198	Involvement of calcium, calmodulin and phospholipase A in the alteration of membrane dynamics and superoxide production of human neutrophils stimulated by phorbol myristate acetate. <i>FEBS Letters</i> , 1982, 147, 243-246.	1.3	28