

# Helmut Sies

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

596  
papers

56,830  
citations

119  
h-index

218  
g-index

629  
ext. papers

61,858  
ext. citations

5.3  
avg, IF

8.38  
L-index

#	Paper	IF	Citations
596	Defining roles of specific reactive oxygen species (ROS) in cell biology and physiology.. <i>Nature Reviews Molecular Cell Biology</i> , <b>2022</b> ,	48.7	42
595	Oxidative eustress and oxidative distress. <i>Free Radical Biology and Medicine</i> , <b>2021</b> , 165, 1	7.8	4
594	COVID-19 mortality as a fingerprint of biological age. <i>Ageing Research Reviews</i> , <b>2021</b> , 67, 101308	12	24
593	Oxidative eustress: On constant alert for redox homeostasis. <i>Redox Biology</i> , <b>2021</b> , 41, 101867	11.3	37
592	Homeostatic control of redox status and health. <i>IUBMB Life</i> , <b>2021</b> ,	4.7	1
591	Buchrezension zu: Ravenous. <i>BioSpektrum</i> , <b>2021</b> , 27, 570-570	0.1	
590	Reactive oxygen species (ROS) as pleiotropic physiological signalling agents. <i>Nature Reviews Molecular Cell Biology</i> , <b>2020</b> , 21, 363-383	48.7	905
589	Potential therapeutic use of ebselen for COVID-19 and other respiratory viral infections. <i>Free Radical Biology and Medicine</i> , <b>2020</b> , 156, 107-112	7.8	76
588	Oxidative eustress and oxidative distress: Introductory remarks <b>2020</b> , 3-12		7
587	Nutritional protection against photooxidative stress in human skin and eye <b>2020</b> , 389-402		1
586	Oxidative Stress: Concept and Some Practical Aspects. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	49
585	Findings in redox biology: From HO to oxidative stress. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 13458-13473	11.8	18
584	Selectively Addressing Mitochondrial Glutathione and Thioredoxin Redox Systems. <i>Cell Chemical Biology</i> , <b>2019</b> , 26, 316-318	8.2	6
583	Oxidative Stress <b>2019</b> , 153-163		23
582	Selenium-binding protein 1 (SELENBP1) is a marker of mature adipocytes. <i>Redox Biology</i> , <b>2019</b> , 20, 489-495	11.3	20
581	On the history of oxidative stress: Concept and some aspects of current development. <i>Current Opinion in Toxicology</i> , <b>2018</b> , 7, 122-126	4.4	112
580	Hydrogen peroxide as a central redox signaling molecule in physiological oxidative stress: Oxidative eustress. <i>Redox Biology</i> , <b>2017</b> , 11, 613-619	11.3	863

579	Physiological evolution: Genomic redox footprints. <i>Nature Plants</i> , <b>2017</b> , 3, 17071	11.5	8
578	Oxidative Stress. <i>Annual Review of Biochemistry</i> , <b>2017</b> , 86, 715-748	29.1	1332
577	Disturbed Redox Homeostasis in Oxidative Distress: A Molecular Link From Chronic Psychosocial Work Stress to Coronary Heart Disease?. <i>Circulation Research</i> , <b>2017</b> , 121, 103-105	15.7	37
576	Radiation Hormesis: The Link to Nanomolar Hydrogen Peroxide. <i>Antioxidants and Redox Signaling</i> , <b>2017</b> , 27, 596-598	8.4	22
575	Interplay between the chalcone cardamonin and selenium in the biosynthesis of Nrf2-regulated antioxidant enzymes in intestinal Caco-2 cells. <i>Free Radical Biology and Medicine</i> , <b>2016</b> , 91, 164-71	7.8	40
574	German-Japanese relationships in biochemistry: a personal perspective. <i>Nagoya Journal of Medical Science</i> , <b>2016</b> , 78, 335-347	0.7	2
573	The Concept of Oxidative Stress After 30 Years <b>2016</b> , 3-11		3
572	The Redox Code. <i>Antioxidants and Redox Signaling</i> , <b>2015</b> , 23, 734-46	8.4	354
571	Oxidative stress: a concept in redox biology and medicine. <i>Redox Biology</i> , <b>2015</b> , 4, 180-3	11.3	1127
570	Dietary selenium in adjuvant therapy of viral and bacterial infections. <i>Advances in Nutrition</i> , <b>2015</b> , 6, 73-82	20	168
569	The use of total antioxidant capacity as surrogate marker for food quality and its effect on health is to be discouraged. <i>Nutrition</i> , <b>2014</b> , 30, 791-3	4.8	47
568	Role of metabolic H <sub>2</sub> O <sub>2</sub> generation: redox signaling and oxidative stress. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 8735-41	5.4	467
567	Dietary selenium affects intestinal development of <i>Eimeria papillata</i> in mice. <i>Parasitology Research</i> , <b>2014</b> , 113, 267-74	2.4	12
566	Intestinal selenoprotein P in epithelial cells and in plasma cells. <i>Archives of Biochemistry and Biophysics</i> , <b>2014</b> , 541, 30-6	4.1	12
565	Excited singlet molecular O( <sup>1</sup> O <sub>2</sub> ) is generated enzymatically from excited carbonyls in the dark. <i>Scientific Reports</i> , <b>2014</b> , 4, 5938	4.9	39
564	Towards identifying novel anti- <i>Eimeria</i> agents: trace elements, vitamins, and plant-based natural products. <i>Parasitology Research</i> , <b>2014</b> , 113, 3547-56	2.4	55
563	Upregulation of the thioredoxin-dependent redox system during differentiation of 3T3-L1 cells to adipocytes. <i>Biological Chemistry</i> , <b>2014</b> , 395, 667-77	4.5	11
562	The early research and development of ebselen. <i>Biochemical Pharmacology</i> , <b>2013</b> , 86, 1248-53	6	151

561	Toward understanding success and failures in the use of selenium for cancer prevention. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 19, 181-91	8.4	60
560	Selenium homeostasis and antioxidant selenoproteins in brain: implications for disorders in the central nervous system. <i>Archives of Biochemistry and Biophysics</i> , <b>2013</b> , 536, 152-7	4.1	130
559	Cranberries and their bioactive constituents in human health. <i>Advances in Nutrition</i> , <b>2013</b> , 4, 618-32	10	187
558	Localization and regulation of pancreatic selenoprotein P. <i>Journal of Molecular Endocrinology</i> , <b>2013</b> , 50, 31-42	4.5	29
557	Oxidative Stress: Impact in Neuroscience Research. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , <b>2013</b> , 3-7		2
556	β-Carotene and other carotenoids in protection from sunlight. <i>American Journal of Clinical Nutrition</i> , <b>2012</b> , 96, 1179S-84S	7	149
555	Supranutritional selenium induces alterations in molecular targets related to energy metabolism in skeletal muscle and visceral adipose tissue of pigs. <i>Journal of Inorganic Biochemistry</i> , <b>2012</b> , 114, 47-54	4.2	67
554	Photoprotection by dietary carotenoids: concept, mechanisms, evidence and future development. <i>Molecular Nutrition and Food Research</i> , <b>2012</b> , 56, 287-95	5.9	87
553	Adjunctive daily supplementation with encapsulated fruit, vegetable and berry juice powder concentrates and clinical periodontal outcomes: a double-blind RCT. <i>Journal of Clinical Periodontology</i> , <b>2012</b> , 39, 62-72	7.7	72
552	An encapsulated fruit and vegetable juice concentrate increases skin microcirculation in healthy women. <i>Skin Pharmacology and Physiology</i> , <b>2012</b> , 25, 2-8	3	20
551	Highlight: GBM Meeting Molecular Life Sciences 2011 <i>Biological Chemistry</i> , <b>2012</b> , 393, 203-203	4.5	
550	Protection by flavanol-rich foods against vascular dysfunction and oxidative damage: 27th Hohenheim Consensus Conference. <i>Advances in Nutrition</i> , <b>2012</b> , 3, 217-21	10	15
549	Plasma levels of vitamin E and carotenoids are decreased in patients with Nonalcoholic Steatohepatitis (NASH). <i>European Journal of Medical Research</i> , <b>2011</b> , 16, 76-8	4.8	94
548	<i>Eimeria papillata</i> : upregulation of specific miRNA-species in the mouse jejunum. <i>Experimental Parasitology</i> , <b>2011</b> , 127, 581-6	2.1	20
547	Differential miRNA expression in the mouse jejunum during garlic treatment of <i>Eimeria papillata</i> infections. <i>Parasitology Research</i> , <b>2011</b> , 109, 387-94	2.4	33
546	Direct evidence that (-)-epicatechin increases nitric oxide levels in human endothelial cells. <i>European Journal of Nutrition</i> , <b>2011</b> , 50, 595-9	5.2	22
545	Induction of glutathione peroxidase 4 expression during enterocytic cell differentiation. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 10764-72	5.4	38
544	The biological relevance of direct antioxidant effects of polyphenols for cardiovascular health in humans is not established. <i>Journal of Nutrition</i> , <b>2011</b> , 141, 989S-1009S	4.1	272

543	Delaying of insulin signal transduction in skeletal muscle cells by selenium compounds. <i>Journal of Inorganic Biochemistry</i> , <b>2011</b> , 105, 812-20	4.2	35
542	Anticoccidial and antiinflammatory activity of garlic in murine <i>Eimeria papillata</i> infections. <i>Veterinary Parasitology</i> , <b>2011</b> , 175, 66-72	2.8	56
541	Use of isolated liver perfusion in metabolic studies: ground-laying work in experimental hepatology. <i>Zeitschrift Fur Gastroenterologie</i> , <b>2011</b> , 49, 737-9	1.6	
540	High selenium intake and increased diabetes risk: experimental evidence for interplay between selenium and carbohydrate metabolism. <i>Journal of Clinical Biochemistry and Nutrition</i> , <b>2011</b> , 48, 40-5	3.1	126
539	Oxidative LDL modification is increased in vascular dementia and is inversely associated with cognitive performance. <i>Free Radical Research</i> , <b>2010</b> , 44, 241-8	4	16
538	Polyphenols and health: update and perspectives. <i>Archives of Biochemistry and Biophysics</i> , <b>2010</b> , 501, 2-5	4.1	157
537	Epigallocatechin gallate-induced modulation of FoxO signaling in mammalian cells and <i>C. elegans</i> : FoxO stimulation is masked via PI3K/Akt activation by hydrogen peroxide formed in cell culture. <i>Archives of Biochemistry and Biophysics</i> , <b>2010</b> , 501, 58-64	4.1	74
536	Heat shock but not cold shock leads to disturbed intracellular zinc homeostasis. <i>Journal of Cellular Physiology</i> , <b>2010</b> , 223, 103-9	7	4
535	Proinflammatory cytokines down-regulate intestinal selenoprotein P biosynthesis via NOS2 induction. <i>Free Radical Biology and Medicine</i> , <b>2010</b> , 49, 777-85	7.8	41
534	Intervention with flaxseed and borage oil supplements modulates skin condition in women. <i>British Journal of Nutrition</i> , <b>2009</b> , 101, 440-5	3.6	38
533	HuR regulates gap junctional intercellular communication by controlling beta-catenin levels and adherens junction integrity. <i>Hepatology</i> , <b>2009</b> , 50, 1567-76	11.2	36
532	Astaxanthin, canthaxanthin and beta-carotene differently affect UVA-induced oxidative damage and expression of oxidative stress-responsive enzymes. <i>Experimental Dermatology</i> , <b>2009</b> , 18, 222-31	4	113
531	Protection against reactive oxygen species by selenoproteins. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2009</b> , 1790, 1478-85	4	332
530	Attenuation of hepatic expression and secretion of selenoprotein P by metformin. <i>Biochemical and Biophysical Research Communications</i> , <b>2009</b> , 387, 158-63	3.4	34
529	Plasma micronutrient status is improved after a 3-month dietary intervention with 5 daily portions of fruits and vegetables: implications for optimal antioxidant levels. <i>Nutrition Journal</i> , <b>2009</b> , 8, 10	4.3	37
528	High fruit and vegetable intake is positively correlated with antioxidant status and cognitive performance in healthy subjects. <i>Journal of Alzheimer's Disease</i> , <b>2009</b> , 17, 921-7	4.3	106
527	Epicatechin and Its Role in Protection of LDL and of Vascular Endothelium <b>2009</b> , 803-813		2
526	Ultraviolet-A irradiation but not ultraviolet-B or infrared-A irradiation leads to a disturbed zinc homeostasis in cells. <i>Free Radical Biology and Medicine</i> , <b>2008</b> , 45, 86-91	7.8	15

525	Mono-O-methylated flavanols and other flavonoids as inhibitors of endothelial NADPH oxidase. <i>Archives of Biochemistry and Biophysics</i> , <b>2008</b> , 469, 209-19	4.1	273
524	Cocoa flavanols lower vascular arginase activity in human endothelial cells in vitro and in erythrocytes in vivo. <i>Archives of Biochemistry and Biophysics</i> , <b>2008</b> , 476, 211-5	4.1	98
523	How do dietary flavanols improve vascular function? A position paper. <i>Archives of Biochemistry and Biophysics</i> , <b>2008</b> , 476, 102-6	4.1	195
522	Kinetic evidence for rapid oxidation of (-)-epicatechin by human myeloperoxidase. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 371, 810-3	3.4	21
521	Stromal resistance of fibroblasts against oxidative damage: involvement of tumor cell-secreted platelet-derived growth factor (PDGF) and phosphoinositide 3-kinase (PI3K) activation. <i>Carcinogenesis</i> , <b>2008</b> , 29, 404-10	4.6	11
520	Selenoprotein P expression is controlled through interaction of the coactivator PGC-1alpha with FoxO1a and hepatocyte nuclear factor 4alpha transcription factors. <i>Hepatology</i> , <b>2008</b> , 48, 1998-2006	11.2	94
519	Ultraviolet A induced modulation of gap junctional intercellular communication by P38 MAPK activation in human keratinocytes. <i>Experimental Dermatology</i> , <b>2008</b> , 17, 115-24	4	22
518	Decomposition of S-nitrosocysteine via S- to N-transnitrosation. <i>Chemical Research in Toxicology</i> , <b>2007</b> , 20, 721-3	4	18
517	Nitric oxide-mediated inhibition of androgen receptor activity: possible implications for prostate cancer progression. <i>Oncogene</i> , <b>2007</b> , 26, 1875-84	9.2	46
516	Protein modification elicited by oxidized low-density lipoprotein (LDL) in endothelial cells: protection by (-)-epicatechin. <i>Free Radical Biology and Medicine</i> , <b>2007</b> , 42, 955-70	7.8	57
515	Divergent Optimum Levels of Lycopene, $\beta$ -Carotene and Lutein Protecting Against UVB Irradiation in Human Fibroblasts. <i>Photochemistry and Photobiology</i> , <b>2007</b> , 75, 503-506	3.6	1
514	How I became a biochemist. <i>IUBMB Life</i> , <b>2007</b> , 59, 469-73	4.7	3
513	Limited availability of L-arginine increases DNA-binding activity of NF-kappaB and contributes to regulation of iNOS expression. <i>Journal of Molecular Medicine</i> , <b>2007</b> , 85, 723-32	5.5	11
512	Biological redox systems and oxidative stress. <i>Cellular and Molecular Life Sciences</i> , <b>2007</b> , 64, 2181-8	10.3	36
511	Consumption of flavanol-rich cocoa acutely increases microcirculation in human skin. <i>European Journal of Nutrition</i> , <b>2007</b> , 46, 53-6	5.2	80
510	Carotenoids and flavonoids contribute to nutritional protection against skin damage from sunlight. <i>Molecular Biotechnology</i> , <b>2007</b> , 37, 26-30	3	117
509	Post-translational processing of selenoprotein P: implications of glycosylation for its utilisation by target cells. <i>Biological Chemistry</i> , <b>2007</b> , 388, 1043-51	4.5	18
508	Total antioxidant capacity: appraisal of a concept. <i>Journal of Nutrition</i> , <b>2007</b> , 137, 1493-5	4.1	183

507	Elevated lipid peroxidation biomarkers and low antioxidant status in atherosclerotic patients with increased carotid or iliofemoral intima media thickness. <i>Journal of Investigative Medicine</i> , <b>2007</b> , 55, 163-7 <sup>2.9</sup>		32
506	Sustained increase in flow-mediated dilation after daily intake of high-flavanol cocoa drink over 1 week. <i>Journal of Cardiovascular Pharmacology</i> , <b>2007</b> , 49, 74-80	3.1	162
505	(-)-Epicatechin elevates nitric oxide in endothelial cells via inhibition of NADPH oxidase. <i>Biochemical and Biophysical Research Communications</i> , <b>2007</b> , 359, 828-33	3.4	125
504	Epidermal growth factor- and stress-induced loss of gap junctional communication is mediated by ERK-1/ERK-2 but not ERK-5 in rat liver epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2007</b> , 364, 313-7	3.4	14
503	Involvement of selenoprotein P in protection of human astrocytes from oxidative damage. <i>Free Radical Biology and Medicine</i> , <b>2006</b> , 40, 1513-23	7.8	129
502	Cytotoxicity of myeloperoxidase/nitrite-oxidized low-density lipoprotein toward endothelial cells is due to a high 7beta-hydroxycholesterol to 7-ketocholesterol ratio. <i>Free Radical Biology and Medicine</i> , <b>2006</b> , 41, 1139-50	7.8	27
501	Extracellular generation of hydrogen peroxide is responsible for activation of EGF receptor by ultraviolet A radiation. <i>Free Radical Biology and Medicine</i> , <b>2006</b> , 41, 1478-87	7.8	25
500	Enhancement of tumor invasion depends on transdifferentiation of skin fibroblasts mediated by reactive oxygen species. <i>Journal of Cell Science</i> , <b>2006</b> , 119, 2727-38	5.3	95
499	Singlet oxygen inactivates protein tyrosine phosphatase-1B by oxidation of the active site cysteine. <i>Biological Chemistry</i> , <b>2006</b> , 387, 1399-404	4.5	35
498	(-)-Epicatechin mediates beneficial effects of flavanol-rich cocoa on vascular function in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 1024-9	11.5	813
497	Lycopene-rich products and dietary photoprotection. <i>Photochemical and Photobiological Sciences</i> , <b>2006</b> , 5, 238-42	4.2	125
496	Selenoprotein P protects endothelial cells from oxidative damage by stimulation of glutathione peroxidase expression and activity. <i>Free Radical Research</i> , <b>2006</b> , 40, 936-43	4	89
495	Myeloperoxidase-mediated LDL oxidation and endothelial cell toxicity of oxidized LDL: attenuation by (-)-epicatechin. <i>Free Radical Research</i> , <b>2006</b> , 40, 1076-85	4	25
494	Modulation of FoxO signaling in human hepatoma cells by exposure to copper or zinc ions. <i>Archives of Biochemistry and Biophysics</i> , <b>2006</b> , 454, 107-13	4.1	52
493	Activation of ErbB2 by 2-methyl-1,4-naphthoquinone (menadione) in human keratinocytes: role of EGFR and protein tyrosine phosphatases. <i>FEBS Letters</i> , <b>2006</b> , 580, 1859-64	3.8	24
492	Nitrite, a naturally occurring precursor of nitric oxide that acts like a 'prodrug'. <i>Biological Chemistry</i> , <b>2006</b> , 387, 499-506	4.5	48
491	Long-term ingestion of high flavanol cocoa provides photoprotection against UV-induced erythema and improves skin condition in women. <i>Journal of Nutrition</i> , <b>2006</b> , 136, 1565-9	4.1	125
490	Endothelial function, nitric oxide, and cocoa flavanols. <i>Journal of Cardiovascular Pharmacology</i> , <b>2006</b> , 47 Suppl 2, S128-35; discussion S172-6	3.1	49

489	Rac upregulates tissue inhibitor of metalloproteinase-1 expression by redox-dependent activation of extracellular signal-regulated kinase signaling. <i>FEBS Journal</i> , <b>2006</b> , 273, 4754-69	5.7	12
488	Solar-simulated radiation induces secretion of IL-6 and production of isoprostanes in human skin in vivo. <i>Archives of Dermatological Research</i> , <b>2006</b> , 297, 477-9	3.3	16
487	Vitamins and Polyphenols in Systemic Photoprotection <b>2006</b> , 113-121		2
486	Tumor promoter TPA stimulates MMP-9 secretion from human keratinocytes by activation of superoxide-producing NADPH oxidase. <i>Free Radical Research</i> , <b>2005</b> , 39, 245-53	4	26
485	Selenium, oxidative stress, and health aspects. <i>Molecular Aspects of Medicine</i> , <b>2005</b> , 26, 256-67	16.7	202
484	Bioactivity and protective effects of natural carotenoids. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2005</b> , 1740, 101-7	6.9	536
483	Loss of the tyrosyl radical in mouse ribonucleotide reductase by (-)-epicatechin. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 326, 614-7	3.4	2
482	Quinone-induced Cdc25A inhibition causes ERK-dependent connexin phosphorylation. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 327, 1016-23	3.4	21
481	Epicatechin protects endothelial cells against oxidized LDL and maintains NO synthase. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 331, 1277-83	3.4	49
480	Combining benzo[d]isoseleazol-3-ones with sterically hindered alicyclic amines and nitroxides: enhanced activity as glutathione peroxidase mimics. <i>Organic and Biomolecular Chemistry</i> , <b>2005</b> , 3, 3564-9 <sup>3,9</sup>		22
479	Acute consumption of flavanol-rich cocoa and the reversal of endothelial dysfunction in smokers. <i>Journal of the American College of Cardiology</i> , <b>2005</b> , 46, 1276-83	15.1	289
478	Cocoa-related flavonoids inhibit CFTR-mediated chloride transport across T84 human colon epithelia. <i>Journal of Nutrition</i> , <b>2005</b> , 135, 2320-5	4.1	65
477	Nutritional, dietary and postprandial oxidative stress. <i>Journal of Nutrition</i> , <b>2005</b> , 135, 969-72	4.1	367
476	Vitamins E and C are safe across a broad range of intakes. <i>American Journal of Clinical Nutrition</i> , <b>2005</b> , 81, 736-45	7	219
475	Dietary habits are major determinants of the plasma antioxidant status in healthy elderly subjects. <i>British Journal of Nutrition</i> , <b>2005</b> , 94, 639-42	3.6	53
474	Myeloperoxidase-induced lipid peroxidation of LDL in the presence of nitrite. Protection by cocoa flavanols. <i>BioFactors</i> , <b>2005</b> , 24, 49-58	6.1	25
473	Effects of vitamin C and aspirin in ischemic stroke-related lipid peroxidation: results of the AVASAS (Aspirin Versus Ascorbic acid plus Aspirin in Stroke) Study. <i>BioFactors</i> , <b>2005</b> , 24, 265-74	6.1	19
472	Arginase-1 overexpression induces cationic amino acid transporter-1 in psoriasis. <i>Free Radical Biology and Medicine</i> , <b>2005</b> , 38, 1073-9	7.8	12



471	On the opinion of the European Commission "Scientific Committee on Food" regarding the tolerable upper intake level of vitamin E (2003). <i>European Journal of Nutrition</i> , <b>2005</b> , 44, 60-2	5.2	5
470	Supplementation with tomato-based products increases lycopene, phytofluene, and phytoene levels in human serum and protects against UV-light-induced erythema. <i>International Journal for Vitamin and Nutrition Research</i> , <b>2005</b> , 75, 54-60	1.7	149
469	Cocoa polyphenols and inflammatory mediators. <i>American Journal of Clinical Nutrition</i> , <b>2005</b> , 81, 304S-312S	1.7	163
468	Astaxanthin diminishes gap junctional intercellular communication in primary human fibroblasts. <i>Journal of Nutrition</i> , <b>2005</b> , 135, 2507-11	4.1	29
467	Doxorubicin induces EGF receptor-dependent downregulation of gap junctional intercellular communication in rat liver epithelial cells. <i>Biological Chemistry</i> , <b>2005</b> , 386, 217-23	4.5	23
466	New Horizons in Carotenoid Research <b>2005</b> ,		2
465	Signaling effects of menadione: from tyrosine phosphatase inactivation to connexin phosphorylation. <i>Methods in Enzymology</i> , <b>2004</b> , 378, 258-72	1.7	23
464	Induction of MMP-10 and MMP-1 in a squamous cell carcinoma cell line by ultraviolet radiation. <i>Biological Chemistry</i> , <b>2004</b> , 385, 75-86	4.5	28
463	Plasma antioxidant status, immunoglobulin g oxidation and lipid peroxidation in demented patients: relevance to Alzheimer disease and vascular dementia. <i>Dementia and Geriatric Cognitive Disorders</i> , <b>2004</b> , 18, 265-70	2.6	88
462	Oxidative modification of low-density lipoprotein: lipid peroxidation by myeloperoxidase in the presence of nitrite. <i>Biological Chemistry</i> , <b>2004</b> , 385, 809-18	4.5	19
461	Flavanol-rich cocoa drink lowers plasma F(2)-isoprostane concentrations in humans. <i>Free Radical Biology and Medicine</i> , <b>2004</b> , 37, 411-21	7.8	126
460	Future directions in preclinical vitamin E research: panel discussion A. <i>Annals of the New York Academy of Sciences</i> , <b>2004</b> , 1031, 305-12	6.5	2
459	Ozone in arteriosclerotic plaques: searching for the "smoking gun". <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 3514-5	16.4	21
458	Ozon in arteriosklerotischen Plaques: die Suche nach dem Rauchenden Colt. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 3596-3598	3.6	4
457	Selenoprotein P protects low-density lipoprotein against oxidation. <i>Free Radical Research</i> , <b>2004</b> , 38, 123-8	1.7	83
456	Contribution of UVB and UVA to UV-dependent stimulation of cyclooxygenase-2 expression in artificial epidermis. <i>Photochemical and Photobiological Sciences</i> , <b>2004</b> , 3, 257-62	4.2	44
455	Nutritional protection against skin damage from sunlight. <i>Annual Review of Nutrition</i> , <b>2004</b> , 24, 173-200	9.9	229
454	Paracrine effect of TGF-beta1 on downregulation of gap junctional intercellular communication between human dermal fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 319, 321-6	3.4	18

453	Thioredoxin secreted upon ultraviolet A irradiation modulates activities of matrix metalloproteinase-2 and tissue inhibitor of metalloproteinase-2 in human dermal fibroblasts. <i>Archives of Biochemistry and Biophysics</i> , <b>2004</b> , 423, 218-26	4.1	44
452	Carotenoids and UV protection. <i>Photochemical and Photobiological Sciences</i> , <b>2004</b> , 3, 749-52	4.2	75
451	Carotenoids in Systemic Protection Against Sunburn. <i>Oxidative Stress and Disease</i> , <b>2004</b> , 491-502		3
450	Screening pharmaceutical preparations containing extracts of turmeric rhizome, artichoke leaf, devil's claw root and garlic or salmon oil for antioxidant capacity. <i>Journal of Pharmacy and Pharmacology</i> , <b>2003</b> , 55, 981-6	4.8	47
449	Irradiation of cells with ultraviolet-A (320-400 nm) in the presence of cell culture medium elicits biological effects due to extracellular generation of hydrogen peroxide. <i>Free Radical Research</i> , <b>2003</b> , 37, 391-7	4	37
448	The presence of nitrite during UVA irradiation protects from apoptosis. <i>FASEB Journal</i> , <b>2003</b> , 17, 2342-4	0.9	37
447	Role of copper, zinc, selenium and tellurium in the cellular defense against oxidative and nitrosative stress. <i>Journal of Nutrition</i> , <b>2003</b> , 133, 1448S-51S	4.1	198
446	Supplementation with beta-carotene or a similar amount of mixed carotenoids protects humans from UV-induced erythema. <i>Journal of Nutrition</i> , <b>2003</b> , 133, 98-101	4.1	162
445	Inhibition of 15-lipoxygenases by flavonoids: structure-activity relations and mode of action. <i>Biochemical Pharmacology</i> , <b>2003</b> , 65, 773-81	6	241
444	Schwefel und Selen: Bedeutung der Oxidationsstufe fflStruktur und Funktion von Proteinen. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 4890-4907	3.6	70
443	Sulfur and selenium: the role of oxidation state in protein structure and function. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 4742-58	16.4	606
442	Non-nutritive bioactive constituents of plants: lycopene, lutein and zeaxanthin. <i>International Journal for Vitamin and Nutrition Research</i> , <b>2003</b> , 73, 95-100	1.7	36
441	Singlet oxygen-induced signaling effects in mammalian cells. <i>Photochemical and Photobiological Sciences</i> , <b>2003</b> , 2, 88-94	4.2	129
440	Defenses against peroxynitrite: selenocompounds and flavonoids. <i>Toxicology Letters</i> , <b>2003</b> , 140-141, 125-32	4.4	121
439	Selenenyl iodide: a new substrate for mammalian thioredoxin reductase. <i>Organic and Biomolecular Chemistry</i> , <b>2003</b> , 1, 2848-52	3.9	19
438	Identification of cytosolic leucyl aminopeptidase (EC 3.4.11.1) as the major cysteinylglycine-hydrolysing activity in rat liver. <i>Biological Chemistry</i> , <b>2003</b> , 384, 213-8	4.5	33
437	Evaluation of sulfur, selenium and tellurium catalysts with antioxidant potential. <i>Organic and Biomolecular Chemistry</i> , <b>2003</b> , 1, 4317-22	3.9	73
436	Myeloperoxidase/nitrite-mediated lipid peroxidation of low-density lipoprotein as modulated by flavonoids. <i>FEBS Letters</i> , <b>2003</b> , 537, 146-50	3.8	75

435	Antioxidant activity of carotenoids. <i>Molecular Aspects of Medicine</i> , <b>2003</b> , 24, 345-51	16.7	802
434	Amphiphilic properties of (-)-epicatechin and their significance for protection of cells against peroxynitrite. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 307, 69-73	3.4	52
433	UVA-mediated downregulation of MMP-2 and MMP-9 in human epidermal keratinocytes. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 308, 486-91	3.4	48
432	Lycopene oxidation product enhances gap junctional communication. <i>Food and Chemical Toxicology</i> , <b>2003</b> , 41, 1399-407	4.7	119
431	Critical role of L-arginine in endothelial cell survival during oxidative stress. <i>Circulation</i> , <b>2003</b> , 107, 2607-16.7	16.7	59
430	Cigarette smoking cessation increases plasma levels of several antioxidant micronutrients and improves resistance towards oxidative challenge. <i>British Journal of Nutrition</i> , <b>2003</b> , 90, 147-50	3.6	79
429	Modulation of homologous gap junctional intercellular communication of human dermal fibroblasts via a paracrine factor(s) generated by squamous tumor cells. <i>Carcinogenesis</i> , <b>2003</b> , 24, 1737-48	4.6	16
428	Epidermal growth factor receptor is a common mediator of quinone-induced signaling leading to phosphorylation of connexin-43: role of glutathione and tyrosine phosphatases. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 38360-7	5.4	91
427	Incorporation of carotenoids from paprika oleoresin into human chylomicrons. <i>British Journal of Nutrition</i> , <b>2003</b> , 89, 787-93	3.6	76
426	Modifications of glyceraldehyde-3-phosphate dehydrogenase induced by increasing concentrations of peroxynitrite: early recognition by 20S proteasome. <i>Biological Chemistry</i> , <b>2003</b> , 384, 237-41	4.5	53
425	Vascular effects of cocoa rich in flavan-3-ols. <i>JAMA - Journal of the American Medical Association</i> , <b>2003</b> , 290, 1030-1	27.4	332
424	(-)-Epicatechin effects in rat liver epithelial cells: stimulation of gap junctional communication and counteraction of its loss due to the tumor promoter 12-O-tetradecanoylphorbol-13-acetate. <i>Biochemical Pharmacology</i> , <b>2002</b> , 63, 2145-9	6	28
423	Plasma lipophilic antioxidants and malondialdehyde in congestive heart failure patients: relationship to disease severity. <i>Free Radical Biology and Medicine</i> , <b>2002</b> , 32, 148-52	7.8	76
422	Peroxynitrite signaling: receptor tyrosine kinases and activation of stress-responsive pathways. <i>Free Radical Biology and Medicine</i> , <b>2002</b> , 33, 737-43	7.8	107
421	Tocopherol metabolites 2, 5, 7, 8-tetramethyl-2-(2'-carboxyethyl)-6-hydroxychroman (alpha-CEHC) and 2, 7, 8-trimethyl-2-(2'-carboxyethyl)-6-hydroxychroman (gamma-CEHC) in human serum after a single dose of natural vitamin E. <i>European Journal of Nutrition</i> , <b>2002</b> , 41, 119-24	5.2	24
420	Infrared-A radiation-induced matrix metalloproteinase 1 expression is mediated through extracellular signal-regulated kinase 1/2 activation in human dermal fibroblasts. <i>Journal of Investigative Dermatology</i> , <b>2002</b> , 119, 1323-9	4.3	94
419	Ultraviolet-B irradiation and matrix metalloproteinases: from induction via signaling to initial events. <i>Annals of the New York Academy of Sciences</i> , <b>2002</b> , 973, 31-43	6.5	347
418	Comparing nitrosative versus oxidative stress toward zinc finger-dependent transcription. Unique role for NO. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 13294-301	5.4	53

417	Selenoprotein P. <i>Methods in Enzymology</i> , <b>2002</b> , 347, 121-5	1.7	6
416	Activation of protein kinase CK2 is an early step in the ultraviolet B-mediated increase in interstitial collagenase (matrix metalloproteinase-1; MMP-1) and stromelysin-1 (MMP-3) protein levels in human dermal fibroblasts. <i>Biochemical Journal</i> , <b>2002</b> , 365, 31-40	3.8	40
415	Selenium and the Protection Against Peroxynitrite <b>2002</b> , 71-76		
414	Divergent optimum levels of lycopene, beta-carotene and lutein protecting against UVB irradiation in human fibroblastst. <i>Photochemistry and Photobiology</i> , <b>2002</b> , 75, 503-6	3.6	71
413	Flavonoids of cocoa inhibit recombinant human 5-lipoxygenase. <i>Journal of Nutrition</i> , <b>2002</b> , 132, 1825-9	4.1	100
412	Reversible conversion of nitroxyl anion to nitric oxide. <i>Methods in Enzymology</i> , <b>2002</b> , 349, 101-6	1.7	4
411	Copper ions strongly activate the phosphoinositide-3-kinase/Akt pathway independent of the generation of reactive oxygen species. <i>Archives of Biochemistry and Biophysics</i> , <b>2002</b> , 397, 232-9	4.1	96
410	Carotenoids and protection against solar UV radiation. <i>Skin Pharmacology and Physiology</i> , <b>2002</b> , 15, 291-6		123
409	In vitro antioxidant activity of 2,5,7,8-tetramethyl-2-(2'-carboxyethyl)-6-hydroxychroman (alpha-CEHC), a vitamin E metabolite. <i>Free Radical Research</i> , <b>2002</b> , 36, 915-21	4	33
408	Plasma carotenoid and malondialdehyde levels in ischemic stroke patients: relationship to early outcome. <i>Free Radical Research</i> , <b>2002</b> , 36, 265-8	4	84
407	Cocoa extract protects against early alcohol-induced liver injury in the rat. <i>Archives of Biochemistry and Biophysics</i> , <b>2002</b> , 406, 40-6	4.1	60
406	Mutagenic fingerprint of ozone in human cells. <i>DNA Repair</i> , <b>2002</b> , 1, 369-78	4.3	15
405	2-Methyl-1,4-naphthoquinone, vitamin K(3), decreases gap-junctional intercellular communication via activation of the epidermal growth factor receptor/extracellular signal-regulated kinase cascade. <i>Cancer Research</i> , <b>2002</b> , 62, 4922-8	10.1	55
404	Protection against solar radiation [protective properties of antioxidants. <i>Comprehensive Series in Photosciences</i> , <b>2001</b> , 3, 561-572		2
403	Dietary tomato paste protects against ultraviolet light-induced erythema in humans. <i>Journal of Nutrition</i> , <b>2001</b> , 131, 1449-51	4.1	167
402	Sulfur-to-nitrogen transnitrosation: transfer of nitric oxide from S-nitroso compounds to diethanolamine and the role of intermediate sulfur-to-sulfur transnitrosation. <i>Toxicology</i> , <b>2001</b> , 163, 127-36	4.4	12
401	Accumulation of the xanthophyll lutein in skin amyloid deposits of systemic amyloidosis (al type). <i>Journal of Investigative Dermatology</i> , <b>2001</b> , 116, 196-7	4.3	10
400	The 5-aminolevulinic acid-induced porphyrin biosynthesis in benign and malignant cells of the skin. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2001</b> , 65, 29-34	6.7	23

399	Quantitative assessment of antioxidant properties of natural colorants and phytochemicals: carotenoids, flavonoids, phenols and indigoids. The role of $\beta$ -carotene in antioxidant functions. <i>Journal of the Science of Food and Agriculture</i> , <b>2001</b> , 81, 559-568	4.3	164
398	Analysis of lipophilic antioxidants in human serum and tissues: tocopherols and carotenoids. <i>Journal of Chromatography A</i> , <b>2001</b> , 936, 83-93	4.5	71
397	Effects of carotenoids and retinoids on gap junctional communication. <i>BioFactors</i> , <b>2001</b> , 15, 95-8	6.1	55
396	Even after UVA-exposure will nitric oxide protect cells from reactive oxygen intermediate-mediated apoptosis and necrosis. <i>Cell Death and Differentiation</i> , <b>2001</b> , 8, 515-27	12.7	54
395	Stimulation of gap junctional intercellular communication by thalidomide and thalidomide analogs in human fetal skin fibroblasts (HFFF2) and in rat liver epithelial cells (WB-F344). <i>Biochemical Pharmacology</i> , <b>2001</b> , 62, 1081-6	6	7
394	Profiles of antioxidants in human plasma. <i>Free Radical Biology and Medicine</i> , <b>2001</b> , 30, 456-62	7.8	144
393	Ebselen prevents early alcohol-induced liver injury in rats. <i>Free Radical Biology and Medicine</i> , <b>2001</b> , 30, 403-11	7.8	110
392	Protein oxidation and proteolysis by the nonradical oxidants singlet oxygen or peroxyntirite. <i>Free Radical Biology and Medicine</i> , <b>2001</b> , 30, 1243-53	7.8	101
391	Enhanced gamma-glutamyl transpeptidase expression and superoxide production in Mpv17-/- glomerulosclerosis mice. <i>Biological Chemistry</i> , <b>2001</b> , 382, 1019-25	4.5	12
390	PROFILES OF ANTIOXIDANTS IN HUMAN PLASMA <b>2001</b> , 229-235		1
389	Polyphenols of cocoa: inhibition of mammalian 15-lipoxygenase. <i>Biological Chemistry</i> , <b>2001</b> , 382, 1687-96	4.5	101
388	High efficiency of 5-aminolevulinate-photodynamic treatment using UVA irradiation. <i>Carcinogenesis</i> , <b>2001</b> , 22, 879-83	4.6	21
387	Opposite roles of selenium-dependent glutathione peroxidase-1 in superoxide generator diquat- and peroxyntirite-induced apoptosis and signaling. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 43004-9	5.4	81
386	Chemistry of biologically important synthetic organoselenium compounds. <i>Chemical Reviews</i> , <b>2001</b> , 101, 2125-79	68.1	1262
385	Macular pigments lutein and zeaxanthin as blue light filters studied in liposomes. <i>Archives of Biochemistry and Biophysics</i> , <b>2001</b> , 391, 160-4	4.1	154
384	Epicatechin selectively prevents nitration but not oxidation reactions of peroxyntirite. <i>Biochemical and Biophysical Research Communications</i> , <b>2001</b> , 285, 782-7	3.4	80
383	(-)-Epicatechin inhibits nitration and dimerization of tyrosine in hydrophilic as well as hydrophobic environments. <i>Biochemical and Biophysical Research Communications</i> , <b>2001</b> , 289, 1334-8	3.4	32
382	The biochemistry of selenium and the glutathione system. <i>Environmental Toxicology and Pharmacology</i> , <b>2001</b> , 10, 153-8	5.8	217

381	Mitogen-activated protein kinase activation by singlet oxygen and ultraviolet A. <i>Methods in Enzymology</i> , <b>2000</b> , 319, 130-43	1.7	26
380	Biological singlet oxygen quenchers assessed by monomol light emission. <i>Methods in Enzymology</i> , <b>2000</b> , 319, 222-6	1.7	10
379	Carotenoids in human skin: noninvasive measurement and identification of dermal carotenoids and carotenol esters. <i>Methods in Enzymology</i> , <b>2000</b> , 319, 494-502	1.7	16
378	Peroxynitrite activates the phosphoinositide 3-kinase/Akt pathway in human skin primary fibroblasts. <i>Biochemical Journal</i> , <b>2000</b> , 352, 219	3.8	46
377	Carotenoids and carotenoids plus vitamin E protect against ultraviolet light-induced erythema in humans. <i>American Journal of Clinical Nutrition</i> , <b>2000</b> , 71, 795-8	7	238
376	Peroxynitrite activates the phosphoinositide 3-kinase/Akt pathway in human skin primary fibroblasts. <i>Biochemical Journal</i> , <b>2000</b> , 352, 219-225	3.8	110
375	Plasma levels of lipophilic antioxidants in very old patients with type 2 diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , <b>2000</b> , 16, 15-9	7.5	72
374	Selective upregulation of inducible nitric oxide synthase (iNOS) by lipopolysaccharide (LPS) and cytokines in microglia: in vitro and in vivo studies. <i>Glia</i> , <b>2000</b> , 32, 51-9	9	156
373	Plasma antioxidants and longevity: a study on healthy centenarians. <i>Free Radical Biology and Medicine</i> , <b>2000</b> , 28, 1243-8	7.8	212
372	Interaction of peroxynitrite with selenoproteins and glutathione peroxidase mimics. <i>Free Radical Biology and Medicine</i> , <b>2000</b> , 28, 1451-5	7.8	106
371	Non-enzymatic triggering of the ceramide signalling cascade by solar UVA radiation. <i>EMBO Journal</i> , <b>2000</b> , 19, 5793-800	13	96
370	Reactions of peroxynitrite with cocoa procyanidin oligomers. <i>Journal of Nutrition</i> , <b>2000</b> , 130, 2100S-4S	4.1	49
369	Signaling by Singlet Oxygen in Biological Systems <b>2000</b> , 3-20		6
368	Mechanisms of Antioxidant Defense against Nitric Oxide/Peroxynitrite <b>2000</b> , 343-354		2
367	Peroxynitrite does not decompose to singlet oxygen ((1)Delta (g)O(2)) and nitroxyl (NO(-)). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2000</b> , 97, 10307-12	11.5	80
366	Carotenoid-containing unilamellar liposomes loaded with glutathione: a model to study hydrophobic-hydrophilic antioxidant interaction. <i>Free Radical Research</i> , <b>2000</b> , 33, 801-8	4	25
365	Responses to peroxynitrite in yeast: glyceraldehyde-3-phosphate dehydrogenase (GAPDH) as a sensitive intracellular target for nitration and enhancement of chaperone expression and ubiquitination. <i>Biological Chemistry</i> , <b>2000</b> , 381, 121-6	4.5	45
364	Thyroid hormone receptors bind to an element in the connexin43 promoter. <i>Biological Chemistry</i> , <b>2000</b> , 381, 973-9	4.5	33

363	Binding of selenoprotein P to heparin: characterization with surface plasmon resonance. <i>Biological Chemistry</i> , <b>2000</b> , 381, 265-8	4.5	46
362	Interaction of peroxynitrite with carotenoids in human low density lipoproteins. <i>Archives of Biochemistry and Biophysics</i> , <b>2000</b> , 373, 302-5	4.1	84
361	Stimulation of gap junctional communication: comparison of acyclo-retinoic acid and lycopene. <i>Archives of Biochemistry and Biophysics</i> , <b>2000</b> , 373, 271-4	4.1	137
360	Ebselen lowers plasma interleukin-6 levels and glial heme oxygenase-1 expression after focal photothrombotic brain ischemia. <i>Archives of Biochemistry and Biophysics</i> , <b>2000</b> , 380, 237-42	4.1	25
359	Ebselen: prospective therapy for cerebral ischaemia. <i>Expert Opinion on Investigational Drugs</i> , <b>2000</b> , 9, 607-19	5.9	218
358	One-electron reduction of selenomethionine oxide. <i>Free Radical Research</i> , <b>2000</b> , 32, 371-6	4	30
357	Formation of electronically excited states during the oxidation of arachidonic acid by prostaglandin endoperoxide synthase. <i>Methods in Enzymology</i> , <b>2000</b> , 319, 67-77	1.7	14
356	Naphthalene endoperoxides as generators of singlet oxygen in biological media. <i>Methods in Enzymology</i> , <b>2000</b> , 319, 3-20	1.7	72
355	What is Oxidative Stress?. <i>Developments in Cardiovascular Medicine</i> , <b>2000</b> , 1-8		42
354	Water-soluble organotellurium compounds: catalytic protection against peroxynitrite and release of zinc from metallothionein. <i>Chemical Research in Toxicology</i> , <b>2000</b> , 13, 3-9	4	67
353	Protein oxidation in human stratum corneum: susceptibility of keratins to oxidation in vitro and presence of a keratin oxidation gradient in vivo. <i>Journal of Investigative Dermatology</i> , <b>1999</b> , 113, 335-9	4.3	112
352	Association of NAD(P)H:quinone oxidoreductase (NQO1) null with numbers of basal cell carcinomas: use of a multivariate model to rank the relative importance of this polymorphism and those at other relevant loci. <i>Carcinogenesis</i> , <b>1999</b> , 20, 1235-40	4.6	60
351	Singlet oxygen mediates the UVA-induced generation of the photoaging-associated mitochondrial common deletion. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 15345-9	5.4	273
350	Peroxynitrite Diminishes Gap Junctional Communication: Protection by Selenite Supplementation. <i>IUBMB Life</i> , <b>1999</b> , 48, 379-384	4.7	15
349	Optimum porphyrin accumulation in epithelial skin tumours and psoriatic lesions after topical application of delta-aminolaevulinic acid. <i>British Journal of Cancer</i> , <b>1999</b> , 79, 1603-8	8.7	67
348	Peroxynitrite diminishes gap junctional communication: protection by selenite supplementation. <i>IUBMB Life</i> , <b>1999</b> , 48, 379-84	4.7	15
347	Glutathione and its role in cellular functions. <i>Free Radical Biology and Medicine</i> , <b>1999</b> , 27, 916-21	7.8	1211
346	Mitogen-activated protein kinase (p38-, JNK-, ERK-) activation pattern induced by extracellular and intracellular singlet oxygen and UVA. <i>FEBS Journal</i> , <b>1999</b> , 260, 917-22		176

345	Quantification of the alpha- and gamma-tocopherol metabolites 2,5,7, 8-tetramethyl-2-(2'-carboxyethyl)-6-hydroxychroman and 2,7, 8-trimethyl-2-(2'-carboxyethyl)-6-hydroxychroman in human serum. <i>Analytical Biochemistry</i> , <b>1999</b> , 275, 254-9	3.1	89
344	A tribute to Lars Ernster. <i>Free Radical Research</i> , <b>1999</b> , 30, 415-418	4	2
343	Protection against peroxynitrite. <i>FEBS Letters</i> , <b>1999</b> , 445, 226-30	3.8	238
342	Activation pattern of mitogen-activated protein kinases elicited by peroxynitrite: attenuation by selenite supplementation. <i>FEBS Letters</i> , <b>1999</b> , 448, 301-3	3.8	107
341	Protection against peroxynitrite by cocoa polyphenol oligomers. <i>FEBS Letters</i> , <b>1999</b> , 462, 167-70	3.8	132
340	Carotenoids <b>1999</b> , 183-202		8
339	Defenses against peroxynitrite. <i>Methods in Enzymology</i> , <b>1999</b> , 301, 301-11	1.7	33
338	A New Function for Selenoproteins: Peroxynitrite Reduction <b>1999</b> , 87-101		
337	Function of thioredoxin reductase as a peroxynitrite reductase using selenocystine or ebselen. <i>Chemical Research in Toxicology</i> , <b>1999</b> , 12, 264-9	4	74
336	S-nitrosylation and S-glutathiolation of protein sulfhydryls by S-nitroso glutathione. <i>Archives of Biochemistry and Biophysics</i> , <b>1999</b> , 362, 67-78	4.1	172
335	Biological activities of Apo-canthaxanthinoic acids related to gap junctional communication. <i>Archives of Biochemistry and Biophysics</i> , <b>1999</b> , 365, 150-5	4.1	14
334	CAROTENOIDS: MODES OF ACTION AND BIOAVAILABILITY OF LYCOPENE IN THE HUMAN <b>1999</b> , 221-225		1
333	Gel electrofocusing method for studying protein S-nitrosylation. <i>Methods in Enzymology</i> , <b>1999</b> , 301, 145-57	5.7	4
332	[33] Use of repair endonucleases to assess DNA damage by peroxynitrite. <i>Methods in Enzymology</i> , <b>1999</b> , 312-318	1.7	
331	[35] Matrix-assisted laser desorption ionization-postsorce decay-mass spectrometry. <i>Methods in Enzymology</i> , <b>1999</b> , 390-408	1.7	2
330	Plasma lipid peroxidation and vitamin C status in healthy centenarians. <i>Journal of the American Geriatrics Society</i> , <b>1999</b> , 47, 1038-9	5.6	7
329	Sensitized Chemiluminescence and Fluorescence Methods in Studies of Oxidative Stress <b>1999</b> , 90-101		1
328	Preferential Relative Porphyrin Enrichment in Solar Keratoses upon Topical Application of ^-Aminolevulinic Acid Methyleneester. <i>Photochemistry and Photobiology</i> , <b>1998</b> , 68, 218-221	3.6	157



327	Sensitization of Peroxynitrite Chemiluminescence by the Triplet Carbonyl Sensitizer Coumarin-525. Effect of CO <sub>2</sub> . <i>Photochemistry and Photobiology</i> , <b>1998</b> , 68, 797-801	3.6	13
326	Hepatic mercapturic acid formation: involvement of cytosolic cysteinylglycine S-conjugate dipeptidase activity. <i>Biochemical Pharmacology</i> , <b>1998</b> , 56, 763-71	6	18
325	Protein S-thiolation and redox regulation of membrane-bound glutathione transferase. <i>Chemico-Biological Interactions</i> , <b>1998</b> , 111-112, 177-85	5	30
324	Electronically excited intermediate from peroxynitrite: evaluation by chemiluminescence and by the isomerization of $\beta$ -carotene. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>1998</b> , 47, 142-147	6.7	3
323	Carotenoid mixtures protect multilamellar liposomes against oxidative damage: synergistic effects of lycopene and lutein. <i>FEBS Letters</i> , <b>1998</b> , 427, 305-8	3.8	241
322	A 47-amino-acid fragment of SV40 T antigen represses transcription from human GSTalpha promoters. <i>Virology</i> , <b>1998</b> , 249, 275-85	3.6	1
321	Identification of the precursor of singlet oxygen ( $^1O_2$ , $1\bar{0}$ ) involved in the disproportionation of hydrogen peroxide catalyzed by calcium hydroxide. <i>Chemical Communications</i> , <b>1998</b> , 599-600	5.8	12
320	Kinetic study of the reaction of glutathione peroxidase with peroxynitrite. <i>Chemical Research in Toxicology</i> , <b>1998</b> , 11, 1398-401	4	100
319	Reduction of methionine selenoxide to selenomethionine by glutathione. <i>Archives of Biochemistry and Biophysics</i> , <b>1998</b> , 349, 201-3	4.1	65
318	Xanthophyll esters in human skin. <i>Archives of Biochemistry and Biophysics</i> , <b>1998</b> , 355, 271-4	4.1	93
317	Identification of two activating elements in the proximal promoter region of the human glutathione transferase-A1 and -A2 genes. <i>Archives of Biochemistry and Biophysics</i> , <b>1998</b> , 359, 122-7	4.1	5
316	Enhancement of gap junctional communication and connexin43 expression by thyroid hormones. <i>Biochemical Pharmacology</i> , <b>1998</b> , 55, 475-9	6	37
315	Protection by organotellurium compounds against peroxynitrite-mediated oxidation and nitration reactions. <i>Biochemical Pharmacology</i> , <b>1998</b> , 55, 817-23	6	62
314	Central role of Ferrous/Ferric iron in the ultraviolet B irradiation-mediated signaling pathway leading to increased interstitial collagenase (matrix-degrading metalloprotease (MMP)-1) and stromelysin-1 (MMP-3) mRNA levels in cultured human dermal fibroblasts. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 5273-87	5.4	177
313	The lag phase. <i>Free Radical Research</i> , <b>1998</b> , 28, 601-9	4	80
312	Predisposition towards urolithiasis associated with the NQO1 null-allele. <i>Pharmacogenetics and Genomics</i> , <b>1998</b> , 8, 453-4		17
311	Increased dermal carotenoid levels assessed by noninvasive reflection spectrophotometry correlate with serum levels in women ingesting Betatene. <i>Journal of Nutrition</i> , <b>1998</b> , 128, 903-7	4.1	105
310	Protection against peroxynitrite by selenoproteins. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , <b>1998</b> , 53, 228-32	1.7	35

309	Activation of Gene Expression of Collagenase and ICAM-1 by UVA Radiation and by Exposure to Singlet Oxygen <b>1998</b> , 434-437		
308	Lycopene and $\beta$ -Carotene <b>1998</b> , 315-322		
307	Defenses Against Peroxynitrite <b>1998</b> , 505-509		
306	Glutathione peroxidase protects against peroxynitrite-mediated oxidations. A new function for selenoproteins as peroxynitrite reductase. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 27812-7	5.4	368
305	Porphyryns preferentially accumulate in a melanoma following intravenous injection of 5-aminolevulinic acid. <i>Biological Chemistry</i> , <b>1997</b> , 378, 51-7	4.5	23
304	Evidence that singlet oxygen-induced human T helper cell apoptosis is the basic mechanism of ultraviolet-A radiation phototherapy. <i>Journal of Experimental Medicine</i> , <b>1997</b> , 186, 1763-8	16.6	248
303	Biological activities of natural and synthetic carotenoids: induction of gap junctional communication and singlet oxygen quenching. <i>Carcinogenesis</i> , <b>1997</b> , 18, 89-92	4.6	121
302	Lycopene is more bioavailable from tomato paste than from fresh tomatoes. <i>American Journal of Clinical Nutrition</i> , <b>1997</b> , 66, 116-22	7	526
301	Increased frequency of a null-allele for NAD(P)H: quinone oxidoreductase in patients with urological malignancies. <i>Pharmacogenetics and Genomics</i> , <b>1997</b> , 7, 235-9		130
300	Vitamin E improves the aminotransferase status of patients suffering from viral hepatitis C: a randomized, double-blind, placebo-controlled study. <i>Free Radical Research</i> , <b>1997</b> , 27, 599-605	4	76
299	Subunit specificity and organ distribution of glutathione transferase-catalysed S-nitrosoglutathione formation from alkyl nitrites in the rat. <i>Biochemical Pharmacology</i> , <b>1997</b> , 53, 117-20	6	11
298	Stimulation of gap junctional intercellular communication by thalidomide and thalidomide analogs in human skin fibroblasts. <i>Biochemical Pharmacology</i> , <b>1997</b> , 53, 1553-7	6	21
297	Oxidative modification and nitration of human low-density lipoproteins by the reaction of hypochlorous acid with nitrite. <i>Archives of Biochemistry and Biophysics</i> , <b>1997</b> , 343, 254-9	4.1	92
296	Singlet oxygen mediates the activation of JNK by UVA radiation in human skin fibroblasts. <i>FEBS Letters</i> , <b>1997</b> , 408, 289-91	3.8	77
295	Singlet oxygen is an early intermediate in cytokine-dependent ultraviolet-A induction of interstitial collagenase in human dermal fibroblasts in vitro. <i>FEBS Letters</i> , <b>1997</b> , 413, 239-42	3.8	105
294	Evidence for a posttranscriptional effect of retinoic acid on connexin43 gene expression via the 3'-untranslated region. <i>FEBS Letters</i> , <b>1997</b> , 419, 268-70	3.8	31
293	Antioxidant vitamins in prevention. <i>Clinical Nutrition</i> , <b>1997</b> , 16, 151-5	5.9	42
292	Quenching of singlet molecular oxygen by natural furan diterpenes. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>1997</b> , 38, 169-173	6.7	13

291	Singlet Oxygen Quenching Abilities of Carotenoids. <i>Liebigs Annalen</i> , <b>1997</b> , 1997, 1887-1893		46
290	Ebselen as a glutathione peroxidase mimic and as a scavenger of peroxynitrite. <i>Advances in Pharmacology</i> , <b>1997</b> , 38, 229-46	5.7	173
289	Induction of gap junctional intercellular communication by vitamin D in human skin fibroblasts is dependent on the nuclear vitamin D receptor. <i>Carcinogenesis</i> , <b>1996</b> , 17, 1389-91	4.6	55
288	Induction of mouse embryonal carcinoma cell differentiation and activation of the retinoic acid receptor beta 2 promoter by 1,25-dihydroxyvitamin D3. <i>Biological Chemistry Hoppe-Seyler</i> , <b>1996</b> , 377, 703-10		
287	The reaction of 2-(methylseleno)benzanilide with peroxynitrite. <i>Chemical Research in Toxicology</i> , <b>1996</b> , 9, 1057-62	4	33
286	The reaction of ebselen with peroxynitrite. <i>Chemical Research in Toxicology</i> , <b>1996</b> , 9, 262-7	4	160
285	Fruit Juice Carotenol Fatty Acid Esters and Carotenoids As Identified by Matrix-Assisted Laser Desorption Ionization (MALDI) Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , <b>1996</b> , 44, 2006-2013	5.7	50
284	Selenium-containing compounds protect DNA from single-strand breaks caused by peroxynitrite. <i>Archives of Biochemistry and Biophysics</i> , <b>1996</b> , 330, 216-8	4.1	104
283	Protein S-thiolation and regulation of microsomal glutathione transferase activity by the glutathione redox couple. <i>Archives of Biochemistry and Biophysics</i> , <b>1996</b> , 332, 288-94	4.1	60
282	Lycopene: a biologically important carotenoid for humans?. <i>Archives of Biochemistry and Biophysics</i> , <b>1996</b> , 336, 1-9	4.1	529
281	Analysis of connexin43 gene expression induced by retinoic acid in F9 teratocarcinoma cells. <i>FEBS Letters</i> , <b>1996</b> , 397, 22-4	3.8	15
280	Kinetic study of the reaction of ebselen with peroxynitrite. <i>FEBS Letters</i> , <b>1996</b> , 398, 179-82	3.8	139
279	Reaction of peroxynitrite and hydrogen peroxide to produce singlet molecular oxygen ( $^1\Delta_g$ ). <i>Methods in Enzymology</i> , <b>1996</b> , 269, 395-400	1.7	10
278	Activation of transcription factor AP-2 mediates UVA radiation- and singlet oxygen-induced expression of the human intercellular adhesion molecule 1 gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1996</b> , 93, 14586-91	11.5	185
277	Attenuation of oxidation and nitration reactions of peroxynitrite by selenomethionine, selenocystine and ebselen. <i>Biochemical Journal</i> , <b>1996</b> , 319 ( Pt 1), 13-5	3.8	110
276	Microsomal formation of S-nitrosoglutathione from organic nitrites: possible role of membrane-bound glutathione transferase. <i>Biochemical Journal</i> , <b>1996</b> , 313 ( Pt 2), 377-80	3.8	39
275	Vitamin E in humans: demand and delivery. <i>Annual Review of Nutrition</i> , <b>1996</b> , 16, 321-47	9.9	384
274	Assessment of the C-525 laser dye as a chemiluminescence sensitizer for lipid peroxidation in biological membranes: a comparison with chlorophyll-a. <i>Free Radical Biology and Medicine</i> , <b>1996</b> , 21, 833-43	7.8	13

273	Adjacent guanines as preferred sites for strand breaks in plasmid DNA irradiated with 193 nm and 248 nm UV laser light. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>1996</b> , 32, 97-102	6.7	30
272	Beta-carotene serum levels in patients with erythropoietic protoporphyria on treatment with the synthetic all-trans isomer or a natural isomeric mixture of beta-carotene. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>1996</b> , 33, 157-62	6.7	20
271	Ultraviolet B wavelength dependence for the regulation of two major matrix-metalloproteinases and their inhibitor TIMP-1 in human dermal fibroblasts. <i>Photochemistry and Photobiology</i> , <b>1996</b> , 64, 877-85	3.6	49
270	Ultraviolet B wavelength dependence for the regulation of two major matrix-metalloproteinases and their inhibitor TIMP-1 in human dermal fibroblasts. <i>Photochemistry and Photobiology</i> , <b>1996</b> , 64, 649-57	3.6	49
269	Analysis of carotenoids and carotenol fatty acid esters by matrix-assisted laser desorption ionization (MALDI) and MALDI-post-source-decay mass spectrometry. <i>Analytical Biochemistry</i> , <b>1996</b> , 238, 117-28	3.1	40
268	DNA damage by peroxyxynitrite characterized with DNA repair enzymes. <i>Nucleic Acids Research</i> , <b>1996</b> , 24, 4105-10	20.1	125
267	Positive and negative regulatory regions in promoters of human glutathione transferase alpha genes. <i>Biological Chemistry Hoppe-Seyler</i> , <b>1996</b> , 377, 39-46		8
266	Diminished plasma levels of vitamin E in patients with severe viral hepatitis. <i>Free Radical Research</i> , <b>1996</b> , 25, 461-6	4	28
265	Free radicals in toxicology: redox cycling and NAD(P)H:quinone oxidoreductase. <i>Archives of Toxicology Supplement</i> , <b>1996</b> , 18, 217-22		5
264	4-oxo-retinoic acid is generated from its precursor canthaxanthin and enhances gap junctional communication in 10T1/2 cells. <i>Advances in Experimental Medicine and Biology</i> , <b>1996</b> , 387, 121-8	3.6	8
263	Some basic properties of ascorbate-dependent antioxidative-defence factors from rat liver cytosol. <i>Chemico-Biological Interactions</i> , <b>1995</b> , 94, 169-81	5	3
262	Strategies of Antioxidant Defense: Relations to Oxidative Stress <b>1995</b> , 165-186		4
261	Ebselen. <i>Methods in Enzymology</i> , <b>1995</b> , 252, 341-2	1.7	19
260	Singlet oxygen may mediate the ultraviolet A-induced synthesis of interstitial collagenase. <i>Journal of Investigative Dermatology</i> , <b>1995</b> , 104, 194-8	4.3	168
259	beta-Cryptoxanthin selectively increases in human chylomicrons upon ingestion of tangerine concentrate rich in beta-cryptoxanthin esters. <i>Archives of Biochemistry and Biophysics</i> , <b>1995</b> , 324, 385-90	4.1	96
258	The oxidation of ebselen metabolites to thiol oxidants catalyzed by liver microsomes and perfused rat liver. <i>Archives of Biochemistry and Biophysics</i> , <b>1995</b> , 316, 220-6	4.1	17
257	Efficacy of all-trans-beta-carotene, canthaxanthin, and all-trans-, 9-cis-, and 4-oxoretinoic acids in inducing differentiation of an F9 embryonal carcinoma RAR beta-lacZ reporter cell line. <i>Archives of Biochemistry and Biophysics</i> , <b>1995</b> , 316, 665-72	4.1	52
256	Induction of gap junctional communication by 4-oxoretinoic acid generated from its precursor canthaxanthin. <i>Archives of Biochemistry and Biophysics</i> , <b>1995</b> , 317, 423-8	4.1	75

255	Formation of singlet oxygen in the deoxygenation of heteroarene N-oxides by dimethyldioxirane. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1995</b> , 1831		17
254	All-trans beta-carotene preferentially accumulates in human chylomicrons and very low density lipoproteins compared with the 9-cis geometrical isomer. <i>Journal of Nutrition</i> , <b>1995</b> , 125, 2128-33	4.1	96
253	Vitamins E and C, beta-carotene, and other carotenoids as antioxidants. <i>American Journal of Clinical Nutrition</i> , <b>1995</b> , 62, 1315S-1321S	7	702
252	Turnover of glutathione S-transferase alpha mRNAs is accelerated by 12-O-tetradecanoyl phorbol-13-acetate in human hepatoma and colon carcinoma cell lines. <i>FEBS Journal</i> , <b>1995</b> , 229, 21-6		4
251	Inactivation of viruses by chemically and photochemically generated singlet molecular oxygen. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>1995</b> , 30, 63-70	6.7	74
250	Nonenzymatic Antioxidant Defense Systems <b>1994</b> , 107-128		42
249	Loss of heterozygosity at the NAD(P)H: quinone oxidoreductase locus associated with increased resistance against mitomycin C in a human bladder carcinoma cell line. <i>Biological Chemistry Hoppe-Seyler</i> , <b>1994</b> , 375, 439-45		36
248	Strategies of antioxidant defense <b>1994</b> , 101-107		8
247	Expression of NAD(P)H:quinone oxidoreductase and glutathione S-transferases alpha and pi in human renal cell carcinoma and in kidney cancer-derived cell lines. <i>Carcinogenesis</i> , <b>1994</b> , 15, 219-25	4.6	36
246	Purification of rat liver plasma membrane glutathione transferase. <i>FEBS Journal</i> , <b>1994</b> , 222, 91-6		9
245	Catabolism of 5-aminolevulinic acid to CO <sub>2</sub> by rat liver mitochondria. <i>Archives of Biochemistry and Biophysics</i> , <b>1994</b> , 310, 205-9	4.1	5
244	Transport of ebselen in plasma and its transfer to binding sites in the hepatocyte. <i>Biochemical Pharmacology</i> , <b>1994</b> , 48, 1137-44	6	46
243	Interaction of ebselen with glutathione S-transferase and papain in vitro. <i>Biochemical Pharmacology</i> , <b>1994</b> , 47, 1007-12	6	49
242	Vitamin D influences gap junctional communication in C3H/10T 1/2 murine fibroblast cells. <i>FEBS Letters</i> , <b>1994</b> , 352, 1-3	3.8	19
241	Singlet molecular oxygen production in the reaction of peroxynitrite with hydrogen peroxide. <i>FEBS Letters</i> , <b>1994</b> , 355, 287-9	3.8	122
240	Low vitamin E content in plasma of patients with alcoholic liver disease, hemochromatosis and wilson's disease. <i>Journal of Hepatology</i> , <b>1994</b> , 20, 41-46	13.4	112
239	Ebselen: a glutathione peroxidase mimic. <i>Methods in Enzymology</i> , <b>1994</b> , 234, 476-82	1.7	47
238	Separation of geometrical isomers of beta-carotene and lycopene. <i>Methods in Enzymology</i> , <b>1994</b> , 234, 388-400	1.7	11

237	Localization of strand breaks in plasmid DNA treated with reactive oxygen species. <i>Methods in Enzymology</i> , <b>1994</b> , 234, 45-51	1.7	9
236	Singlet oxygen quenching by carotenoids. <i>Methods in Enzymology</i> , <b>1994</b> , 234, 384-8	1.7	31
235	Antioxidant action of stobadine. <i>Methods in Enzymology</i> , <b>1994</b> , 234, 572-80	1.7	20
234	Transport of glutathione disulfide and glutathione S-conjugates in hepatocyte plasma membrane vesicles. <i>Methods in Enzymology</i> , <b>1994</b> , 233, 416-25	1.7	14
233	Oxidative Stress <b>1994</b> , 1-7		1
232	Identification of a hepatic plasma membrane glutathione S-transferase activated by N-ethylmaleimide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1993</b> , 1148, 61-6	3.8	13
231	Selective para hydroxylation of phenol and aniline by singlet molecular oxygen. <i>Chemical Research in Toxicology</i> , <b>1993</b> , 6, 548-53	4	51
230	Damage to plasmid DNA by singlet oxygen and its protection. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , <b>1993</b> , 299, 183-91		81
229	Physical quenching of singlet oxygen and cis-trans isomerization of carotenoids. <i>Annals of the New York Academy of Sciences</i> , <b>1993</b> , 691, 10-9	6.5	97
228	A synthetic C22 carotenoid inhibits carcinogen-induced neoplastic transformation and enhances gap junctional communication. <i>Carcinogenesis</i> , <b>1993</b> , 14, 1001-5	4.6	18
227	Cellular levels of all-trans-beta-carotene under the influence of 9-cis-beta-carotene in FU-5 rat hepatoma cells. <i>Biological Chemistry Hoppe-Seyler</i> , <b>1993</b> , 374, 1075-81		4
226	Human serum concentrations of all-trans beta- and alpha-carotene but not 9-cis beta-carotene increase upon ingestion of a natural isomer mixture obtained from <i>Dunaliella salina</i> (Betatene). <i>Journal of Nutrition</i> , <b>1993</b> , 123, 847-51	4.1	74
225	Separation of retinoic acid all-trans, mono-cis and poly-cis isomers by reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , <b>1993</b> , 637, 201-205	4.5	14
224	Strategies of antioxidant defense. <i>FEBS Journal</i> , <b>1993</b> , 215, 213-9		1280
223	Cis/trans isomerization of carotenoids by the triplet carbonyl source 3-hydroxymethyl-3,4,4-trimethyl-1,2-dioxetane. <i>Photochemistry and Photobiology</i> , <b>1993</b> , 57, 785-91	3.6	18
222	Reactive oxygen species associated with cell differentiation in <i>Neurospora crassa</i> . <i>Free Radical Biology and Medicine</i> , <b>1993</b> , 14, 287-93	7.8	109
221	Ebselen, a selenoorganic compound as glutathione peroxidase mimic. <i>Free Radical Biology and Medicine</i> , <b>1993</b> , 14, 313-23	7.8	353
220	Prevention of singlet oxygen-induced DNA damage by lipoate. <i>Chemico-Biological Interactions</i> , <b>1993</b> , 86, 79-92	5	60

219	Singlet oxygen induces collagenase expression in human skin fibroblasts. <i>FEBS Letters</i> , <b>1993</b> , 331, 304-6	3.8	110
218	Loss of alpha-tocopherol upon exposure to nitric oxide or the sydnonimine SIN-1. <i>FEBS Letters</i> , <b>1993</b> , 315, 139-42	3.8	76
217	Interaction of the pyridoindole stobadine with peroxy, superoxide and chromanoxyl radicals. <i>Biochemical Pharmacology</i> , <b>1993</b> , 45, 393-400	6	55
216	Reaktive Sauerstoffspezies: Prooxidantien und Antioxidantien in Biologie und Medizin <b>1993</b> , 27-56		
215	Medical Applications of Antioxidants: An Update of Current Problems <b>1993</b> , 419-423		
214	Ascorbate-dependent capacity of dialysed rat liver cytosol to prevent nonenzymatic lipid peroxidation. <i>Biological Chemistry Hoppe-Seyler</i> , <b>1992</b> , 373, 1111-6		9
213	Uptake of lycopene and its geometrical isomers is greater from heat-processed than from unprocessed tomato juice in humans. <i>Journal of Nutrition</i> , <b>1992</b> , 122, 2161-6	4.1	455
212	Glutathione S-transferases in human testicular germ cell tumors: changes of expression and activity. <i>Journal of Urology</i> , <b>1992</b> , 147, 1424-8	2.5	24
211	Singlet oxygen induced DNA damage. <i>Mutation Research - DNAGing</i> , <b>1992</b> , 275, 367-75		191
210	Antioxidant functions of vitamins. Vitamins E and C, beta-carotene, and other carotenoids. <i>Annals of the New York Academy of Sciences</i> , <b>1992</b> , 669, 7-20	6.5	580
209	[40] Assay of lycopene and other carotenoids as singlet oxygen quenchers. <i>Methods in Enzymology</i> , <b>1992</b> , 213, 429-438	1.7	43
208	Antioxidant activity of the pyridoindole stobadine. Pulse radiolytic characterization of one-electron-oxidized stobadine and quenching of singlet molecular oxygen. <i>Chemical Research in Toxicology</i> , <b>1992</b> , 5, 355-60	4	54
207	NADPH-dependent oxidation of reduced ebselen, 2-selenylbenzanilide, and of 2-(methylseleno)benzanilide catalyzed by pig liver flavin-containing monooxygenase. <i>Chemical Research in Toxicology</i> , <b>1992</b> , 5, 163-6	4	34
206	cis-trans isomers of lycopene and beta-carotene in human serum and tissues. <i>Archives of Biochemistry and Biophysics</i> , <b>1992</b> , 294, 173-7	4.1	339
205	Low- and high-K <sub>m</sub> transport of dinitrophenyl glutathione in inside out vesicles from human erythrocytes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1992</b> , 1103, 115-9	3.8	38
204	Antioxidant activity of the pyridoindole stobadine in liposomal and microsomal lipid peroxidation. <i>Chemico-Biological Interactions</i> , <b>1992</b> , 83, 85-93	5	22
203	De novo methylation of transfected CAT gene plasmid constructs in F9 mouse embryonal carcinoma cells. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>1992</b> , 1131, 16-22		14
202	Antioxidant depletion in aortic crossclamping ischemia: increase of the plasma alpha-tocopheryl quinone/alpha-tocopherol ratio. <i>Free Radical Biology and Medicine</i> , <b>1992</b> , 13, 95-100	7.8	62

201	Singlet oxygen induced DNA damage and mutagenicity in a single-stranded SV40-based shuttle vector. <i>Photochemistry and Photobiology</i> , <b>1992</b> , 55, 39-45	3.6	39
200	Synthetic carotenoids, novel polyene polyketones and new capsorubin isomers as efficient quenchers of singlet molecular oxygen. <i>Photochemistry and Photobiology</i> , <b>1992</b> , 55, 511-4	3.6	56
199	Protection by glutathione and other thiol compounds against the loss of protein thiols and tocopherol homologs during microsomal lipid peroxidation. <i>FEBS Journal</i> , <b>1992</b> , 210, 139-46		46
198	Tetramethyl-Ortho-quinodimethane, First Member of a Family of Custom-Tailored Cheletropic Spin Traps for Nitric Oxide. <i>Angewandte Chemie International Edition in English</i> , <b>1992</b> , 31, 891-893		51
197	Inhibition of superoxide and nitric oxide release and protection from reoxygenation injury by Ebselen in rat Kupffer cells. <i>Hepatology</i> , <b>1992</b> , 15, 1112-6	11.2	97
196	Interorgan Glutathione Transport <b>1992</b> , 283-294		2
195	Tocopherols, Carotenoids and The Glutathione System <b>1992</b> , 160-165		5
194	Reversible conversion of nitroxyl anion to nitric oxide by superoxide dismutase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1991</b> , 88, 10860-4	11.5	263
193	Cholestasis and changes of portal pressure caused by chlorpromazine in the perfused rat liver. <i>Hepatology</i> , <b>1991</b> , 13, 216-221	11.2	21
192	Activity of thiols as singlet molecular oxygen quenchers. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>1991</b> , 9, 105-16	6.7	141
191	Role of tocopherols in the protection of biological systems against oxidative damage. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>1991</b> , 8, 211-8	6.7	113
190	Role of reactive oxygen species in biological processes. <i>Klinische Wochenschrift</i> , <b>1991</b> , 69, 965-8		157
189	Formation of 8-hydroxy(deoxy)guanosine and generation of strand breaks at guanine residues in DNA by singlet oxygen. <i>Biochemistry</i> , <b>1991</b> , 30, 6283-9	3.2	276
188	Identification of an abundant S-thiolated rat liver protein as carbonic anhydrase III; characterization of S-thiolation and dethiolation reactions. <i>Archives of Biochemistry and Biophysics</i> , <b>1991</b> , 284, 270-8	4.1	105
187	Oxidative stress: from basic research to clinical application. <i>American Journal of Medicine</i> , <b>1991</b> , 91, 31S-38S		775
186	Increase of beta-actin mRNA upon hypotonic perfusion of perfused rat liver. <i>FEBS Letters</i> , <b>1991</b> , 292, 264-6	3.8	30
185	Singlet oxygen induced single-strand breaks in plasmid pBR322 DNA: the enhancing effect of thiols. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>1991</b> , 1088, 409-12		42
184	CAROTENOIDS, TOCOPHEROLS AND THIOLS AS BIOLOGICAL SINGLET OXYGEN QUENCHERS <b>1991</b> , 311-314		



183	ROLE OF SPECIFIC PROTEIN S-THIOLATION UNDER OXIDATIVE STRESS <b>1991</b> , 476-480		
182	Biological significance of active oxygen species: in vitro studies on singlet oxygen-induced DNA damage and on the singlet oxygen quenching ability of carotenoids, tocopherols and thiols. <i>Advances in Experimental Medicine and Biology</i> , <b>1991</b> , 283, 71-7	3.6	17
181	Temporal relationships between the loss of vitamin E, protein sulfhydryls and lipid peroxidation in microsomes challenged with different prooxidants. <i>Chemico-Biological Interactions</i> , <b>1990</b> , 74, 233-52	5	32
180	Antioxidant activity of ebselen and related selenoorganic compounds in microsomal lipid peroxidation. <i>Free Radical Research Communications</i> , <b>1990</b> , 10, 237-44		31
179	Quenching of singlet molecular oxygen by tocopherols. <i>Advances in Experimental Medicine and Biology</i> , <b>1990</b> , 264, 117-24	3.6	2
178	Human fibroblasts release low amounts of reactive oxygen species in response to the potent phagocyte stimulants, serum-treated zymosan, N-formyl-methionyl-leucyl-phenylalanine, leukotriene B4 or 12-O-tetradecanoylphorbol 13-acetate. <i>Biological Chemistry Hoppe-Seyler</i> , <b>1990</b> , 271, 1021-5		45
177	Carotenoids, tocopherols and thiols as biological singlet molecular oxygen quenchers. <i>Biochemical Society Transactions</i> , <b>1990</b> , 18, 1054-6	5.1	212
176	Human fibroblasts release reactive oxygen species in response to treatment with synovial fluids from patients suffering from arthritis. <i>Free Radical Research Communications</i> , <b>1990</b> , 8, 149-60		43
175	Decreased expression of the glutathione S-transferases alpha and pi genes in human renal cell carcinoma. <i>Carcinogenesis</i> , <b>1990</b> , 11, 2179-83	4.6	34
174	Microsomal metabolism of 2-(methylseleno) benzanilide. <i>Chemical Research in Toxicology</i> , <b>1990</b> , 3, 199-203		15
173	Visible-range low-level chemiluminescence in biological systems. <i>Methods in Enzymology</i> , <b>1990</b> , 186, 595-610		89
172	Glutathione levels in human lens: regional distribution in different forms of cataract. <i>Experimental Eye Research</i> , <b>1990</b> , 50, 17-20	3.7	61
171	Oxidative damage to mitochondria and protection by ebselen and other antioxidants. <i>Biochemical Pharmacology</i> , <b>1990</b> , 40, 1623-9	6	32
170	Reactivity of ebselen and related selenoorganic compounds with 1,2-dichloroethane radical cations and halogenated peroxy radicals. <i>Archives of Biochemistry and Biophysics</i> , <b>1990</b> , 282, 18-25	4.1	39
169	Physical and chemical scavenging of singlet molecular oxygen by tocopherols. <i>Archives of Biochemistry and Biophysics</i> , <b>1990</b> , 277, 101-8	4.1	130
168	Phosphorylase and creatine kinase modification by thiol-disulfide exchange and by xanthine oxidase-initiated S-thiolation. <i>Archives of Biochemistry and Biophysics</i> , <b>1990</b> , 276, 355-63	4.1	56
167	Quinone Redox Cycling and the Protective Effect of DT Diaphorase <b>1990</b> , 381-387		
166	Antioxidant activity of 5-hydroxytryptophan, 5-hydroxyindole, and DOPA against microsomal lipid peroxidation and its dependence on vitamin E. <i>Free Radical Research Communications</i> , <b>1989</b> , 6, 11-7		36

165	Transport of glutathione, glutathione disulfide, and glutathione conjugates across the hepatocyte plasma membrane. <i>Methods in Enzymology</i> , <b>1989</b> , 173, 523-34	1.7	51
164	Comparative toxicology of ozone and t-butyl hydroperoxide on isolated rat lung. <i>Free Radical Research Communications</i> , <b>1989</b> , 8, 27-35		6
163	Quantification of singlet oxygen generated by thermolysis of 3,3'-(1,4-naphthylene)dipropionate endoperoxide. Monomol and dimol photoemission and the effects of 1,4-diazabicyclo[2.2.2]octane. <i>Journal of the American Chemical Society</i> , <b>1989</b> , 111, 2909-2914	16.4	156
162	Chemiluminescent oxidation of ribose catalyzed by horseradish peroxidase in presence of hydrogen peroxide. <i>Free Radical Biology and Medicine</i> , <b>1989</b> , 6, 565-71	7.8	3
161	The peroxidase/oxidase activity of soybean lipoxygenase--I. Triplet excited carbonyls from the reaction with isobutanal and the effect of glutathione. <i>Photochemistry and Photobiology</i> , <b>1989</b> , 49, 697-704	7.6	16
160	The peroxidase/oxidase activity of soybean lipoxygenase--II. Triplet carbonyls and red photoemission during polyunsaturated fatty acid and glutathione oxidation. <i>Photochemistry and Photobiology</i> , <b>1989</b> , 49, 705-10	3.6	16
159	Specific S-thiolation of a 30-kDa cytosolic protein from rat liver under oxidative stress. <i>FEBS Journal</i> , <b>1989</b> , 179, 233-9		38
158	Cytochrome P-450, reductive metabolism, and cell injury. <i>Drug Metabolism Reviews</i> , <b>1989</b> , 20, 275-84	7	30
157	Alpha-Tocopherol in Microsomal Lipid Peroxidation. <i>Annals of the New York Academy of Sciences</i> , <b>1989</b> , 570, 480-486	6.5	11
156	Antioxidant activity of dihydrolipoate against microsomal lipid peroxidation and its dependence on alpha-tocopherol. <i>Lipids and Lipid Metabolism</i> , <b>1989</b> , 1001, 256-61		139
155	Lycopene as the most efficient biological carotenoid singlet oxygen quencher. <i>Archives of Biochemistry and Biophysics</i> , <b>1989</b> , 274, 532-8	4.1	1707
154	Hepatic lipoate uptake. <i>Archives of Biochemistry and Biophysics</i> , <b>1989</b> , 273, 389-95	4.1	47
153	S-(4-azidophenacyl)[ <sup>35</sup> S]glutathione photoaffinity labeling of rat liver plasma membrane-associated proteins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1989</b> , 982, 15-23	3.8	9
152	ATP-stimulated uptake of S-(2,4-dinitrophenyl)glutathione by plasma membrane vesicles from rat liver. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1989</b> , 983, 123-5	3.8	23
151	Optical spectral studies of ebselen interaction with cytochrome P-450 of rat liver microsomes. <i>Biochemical Pharmacology</i> , <b>1989</b> , 38, 619-25	6	18
150	Ca <sup>2+</sup> mobilization by vasopressin and glucagon in perfused livers. Effect of prior intoxication with bromotrchloromethane. <i>Biochemical Pharmacology</i> , <b>1989</b> , 38, 1799-805	6	16
149	Effects of hormones on mitochondrial processes. <i>Methods in Enzymology</i> , <b>1989</b> , 174, 118-30	1.7	9
148	GLUTATHIONE CONJUGATES: TRANSPORT FROM THE CELL AND INTRACELLULAR EFFECTS <b>1989</b> , 357-367		3

147	The protection by ascorbate and glutathione against microsomal lipid peroxidation is dependent on vitamin E. <i>FEBS Journal</i> , <b>1988</b> , 174, 353-7		283
146	A new parameter for sex education. <i>Nature</i> , <b>1988</b> , 332, 495-495	50.4	35
145	Inhibition of biliary taurocholate excretion during menadione metabolism in perfused rat liver. <i>Archives of Biochemistry and Biophysics</i> , <b>1988</b> , 263, 10-8	4.1	31
144	A novel biologically active selenoorganic compound--VII. Biotransformation of ebselen in perfused rat liver. <i>Biochemical Pharmacology</i> , <b>1988</b> , 37, 1103-9	6	65
143	Alkane production by isolated rat heart and lung. <i>Toxicology Letters</i> , <b>1988</b> , 44, 55-64	4.4	8
142	Effects of singlet oxygen on the biological activity of DNA and its involvement in single strand-break formation. <i>Basic Life Sciences</i> , <b>1988</b> , 49, 473-7		
141	Antioxidant activity in cells and organs. <i>The American Review of Respiratory Disease</i> , <b>1987</b> , 136, 478-80		41
140	Xanthine oxidase is not responsible for reoxygenation injury in isolated-perfused rat heart. <i>Free Radical Research Communications</i> , <b>1987</b> , 3, 69-78		44
139	Intracellular and intercellular liver heterogeneity: an overview. <i>Biochemical Society Transactions</i> , <b>1987</b> , 15, 359-60	5.1	4
138	Spontaneous mutagenesis and oxidative damage to DNA in <i>Salmonella typhimurium</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1987</b> , 84, 8917-21	11.5	177
137	Generation of photoemissive species by mitomycin C redox cycling in rat liver microsomes. <i>Biochemical Pharmacology</i> , <b>1987</b> , 36, 1617-21	6	6
136	Cholestasis and changes in the microcirculation of perfused rat liver caused by the calcium ionophore A23187 and type I antiarrhythmic drugs. <i>Biochemical Pharmacology</i> , <b>1987</b> , 36, 3037-42	6	16
135	Loss of transforming activity of plasmid DNA (pBR322) in <i>E. coli</i> caused by singlet molecular oxygen. <i>FEBS Letters</i> , <b>1987</b> , 211, 49-52	3.8	53
134	Inhibition of taurocholate efflux from rat hepatic canalicular membrane vesicles by glutathione disulfide. <i>FEBS Letters</i> , <b>1987</b> , 213, 34-8	3.8	19
133	Distinct temporal relation among oxygen uptake, malondialdehyde formation, and low-level chemiluminescence during microsomal lipid peroxidation. <i>Archives of Biochemistry and Biophysics</i> , <b>1987</b> , 252, 284-91	4.1	62
132	Hormones, glutathione status and protein S-thiolation. <i>Advances in Enzyme Regulation</i> , <b>1987</b> , 26, 175-89		43
131	Biochemistry of oxidative stress. <i>European Journal of Cancer &amp; Clinical Oncology</i> , <b>1987</b> , 23, 1798		4
130	Generation of excited species catalyzed by horseradish peroxidase or hemin in the presence of reduced glutathione and H <sub>2</sub> O <sub>2</sub> . <i>Free Radical Biology and Medicine</i> , <b>1987</b> , 3, 107-10	7.8	17

129	Intact organ spectrophotometry and single-photon counting. <i>Archives of Toxicology</i> , <b>1987</b> , 60, 138-43	5.8	25
128	Perivascular nerve stimulation and phenylephrine responses in rat liver. Metabolic effects, Ca <sup>2+</sup> and K <sup>+</sup> fluxes. <i>FEBS Journal</i> , <b>1987</b> , 163, 197-203		43
127	pH control of hepatic glutamine degradation. Role of transport. <i>FEBS Journal</i> , <b>1987</b> , 166, 483-8		38
126	Biochemistry of Oxidative Stress. <i>Angewandte Chemie International Edition in English</i> , <b>1986</b> , 25, 1058-1071		881
125	Biochemie des oxidativen Stress. <i>Angewandte Chemie</i> , <b>1986</b> , 98, 1061-1075	3.6	108
124	Function dependent changes in the subcellular distribution of high energy phosphates in fast and slow rat skeletal muscles. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1986</b> , 406, 20-4	4.6	19
123	The major isozyme of rat cardiac glutathione transferases. Its correspondence to hepatic transferase X. <i>FEBS Journal</i> , <b>1986</b> , 154, 299-305		14
122	Mechanism and relevance of glutathione mutagenicity. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>1986</b> , 175, 127-31		21
121	Mutagenicity of nitroxide-free radicals. <i>Archives of Biochemistry and Biophysics</i> , <b>1986</b> , 251, 393-6	4.1	49
120	Energy-linked cardiac transport system for glutathione disulfide. <i>FEBS Letters</i> , <b>1986</b> , 200, 128-32	3.8	44
119	Hepatic glutathione release upon decreases of extracellular calcium concentration. <i>Biochemical Pharmacology</i> , <b>1986</b> , 35, 2832-3	6	8
118	Generation of photoemissive species during quinone redox cycling. <i>Biochemical Pharmacology</i> , <b>1986</b> , 35, 22-4	6	16
117	Generation of photoemissive species during quinone redox cycling <b>1986</b> , 22-24		
116	Reactive oxygen species formed in vitro and in cells: role of thiols (GSH). Model studies with xanthine oxidase and horseradish peroxidase. <i>Advances in Experimental Medicine and Biology</i> , <b>1986</b> , 197, 505-12	3.6	2
115	Oxidative stress: damage to intact cells and organs. <i>Philosophical Transactions of the Royal Society of London Series B, Biological Sciences</i> , <b>1985</b> , 311, 617-31		292
114	Role of plasma membrane transport in hepatic glutamine metabolism. <i>FEBS Journal</i> , <b>1985</b> , 152, 597-603		79
113	Lack of effect of long-term glutathione administration on aflatoxin B1-induced hepatoma in male rats. <i>Chemico-Biological Interactions</i> , <b>1985</b> , 53, 57-68	5	6
112	Hydroperoxides and Thiol Oxidants in the Study of Oxidative Stress in Intact Cells and Organs <b>1985</b> , 73-90		49

111	Oxidative Stress: Introductory Remarks <b>1985</b> , 1-8		314
110	Excited species generation in horseradish peroxidase-mediated oxidation of glutathione. <i>Journal of Free Radicals in Biology &amp; Medicine</i> , <b>1985</b> , 1, 311-8		23
109	Oxidative stress: excited oxygen species and enzyme activity. <i>Advances in Enzyme Regulation</i> , <b>1985</b> , 23, 217-37		86
108	Functional hepatocyte heterogeneity in ammonia metabolism. The intercellular glutamine cycle. <i>Journal of Hepatology</i> , <b>1985</b> , 1, 3-14	13.4	92
107	Effect of age and ambient temperature on n-pentane production in adult housefly, <i>Musca domestica</i> . <i>Mechanisms of Ageing and Development</i> , <b>1985</b> , 29, 317-26	5.6	57
106	Oxygen dependence and subcellular partitioning of hepatic menadione-mediated oxygen uptake. Studies with isolated hepatocytes, mitochondria, and microsomes from rat liver in an oxystat system. <i>Archives of Biochemistry and Biophysics</i> , <b>1985</b> , 243, 556-62	4.1	53
105	A novel biologically active selenoorganic compound--IV. Protective glutathione-dependent effect of PZ 51 (ebselen) against ADP-Fe induced lipid peroxidation in isolated hepatocytes. <i>Biochemical Pharmacology</i> , <b>1985</b> , 34, 1185-9	6	133
104	Glutathione disulfide (GSSG) efflux from cells and tissues. <i>Methods in Enzymology</i> , <b>1984</b> , 105, 445-51	1.7	143
103	Interaction of a glutathione S-conjugate with glutathione reductase. Kinetic and X-ray crystallographic studies. <i>FEBS Journal</i> , <b>1984</b> , 138, 373-8		74
102	Biliary transport of glutathione disulfide studied with isolated rat-liver canalicular-membrane vesicles. <i>FEBS Journal</i> , <b>1984</b> , 141, 211-5		39
101	Mitochondrial and cytosolic glutathione after depletion by phorone in isolated hepatocytes. <i>Experientia</i> , <b>1984</b> , 40, 365-7		32
100	Subcellular glutathione contents in isolated hepatocytes treated with L-buthionine sulfoximine. <i>Biochemical and Biophysical Research Communications</i> , <b>1984</b> , 123, 1116-21	3.4	42
99	Hepatic role in pH regulation: role of the intercellular glutamine cycle. <i>Trends in Biochemical Sciences</i> , <b>1984</b> , 9, 300-302	10.3	90
98	Protection against reactive oxygen species by NAD(P)H: quinone reductase induced by the dietary antioxidant butylated hydroxyanisole (BHA). Decreased hepatic low-level chemiluminescence during quinone redox cycling. <i>FEBS Letters</i> , <b>1984</b> , 169, 63-6	3.8	38
97	The isozyme pattern of glutathione S-transferases in rat heart. <i>FEBS Letters</i> , <b>1984</b> , 169, 156-60	3.8	27
96	Compartmentation of high-energy phosphates in resting and working rat skeletal muscle. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>1984</b> , 764, 117-24	4.6	13
95	Generation of low-level chemiluminescence during the metabolism of 1-naphthol by rat liver microsomes. <i>Biochemical Pharmacology</i> , <b>1984</b> , 33, 4081-5	6	5
94	A novel biologically active seleno-organic compound--I. Glutathione peroxidase-like activity in vitro and antioxidant capacity of PZ 51 (Ebselen). <i>Biochemical Pharmacology</i> , <b>1984</b> , 33, 3235-9	6	684

93	Hepatic uptake of cadmium and its biliary release as affected by dithioerythritol and glutathione. <i>Biochemical Pharmacology</i> , <b>1984</b> , 33, 639-43	6	20
92	Low-level chemiluminescence as an indicator of singlet molecular oxygen in biological systems. <i>Methods in Enzymology</i> , <b>1984</b> , 105, 221-31	1.7	177
91	Assay of ethane and pentane from isolated organs and cells. <i>Methods in Enzymology</i> , <b>1984</b> , 105, 311-9	1.7	31
90	LOW-LEVEL CHEMILUMINESCENCE, ALKANE PRODUCTION AND GLUTATHIONE DEPLETION IN ISOLATED HEPATOCYTES CAUSED BY A DIFFUSIBLE PRODUCT OF LIPID PEROXIDATION, 4-HYDROXYNONENAL <b>1984</b> , 317-324		
89	ROLE OF GLUTATHIONE AND NAD(P)H:QUINONE OXIDOREDUCTASE (DT-DIAPHORASE) IN DETERMINING LOW-LEVEL CHEMILUMINESCENCE DURING REDOX CYCLING OF MENADIONE <b>1984</b> , 331-334		
88	Oxene donors yield low-level chemiluminescence with microsomes and isolated cytochrome P-450. <i>FEBS Journal</i> , <b>1983</b> , 130, 117-21		43
87	Cellular redox changes and response to drugs and toxic agents. <i>Fundamental and Applied Toxicology</i> , <b>1983</b> , 3, 200-8		33
86	Paraquat-induced chemiluminescence of microsomal fractions. <i>Biochemical Pharmacology</i> , <b>1983</b> , 32, 147-50		42
85	Hepatic low-level chemiluminescence during redox cycling of menadione and the menadione-glutathione conjugate: relation to glutathione and NAD(P)H:quinone reductase (DT-diaphorase) activity. <i>Archives of Biochemistry and Biophysics</i> , <b>1983</b> , 224, 568-78	4.1	175
84	Effect of DABCO (1,4-diazabicyclo[2,2,2]-octane) on singlet oxygen monomol (1270 nm) and dimol (634 and 703 nm) emission. <i>FEBS Letters</i> , <b>1983</b> , 164, 366-370	3.8	24
83	Antioxidant effect of diethyldithiocarbamate on microsomal lipid peroxidation assessed by low-level chemiluminescence and alkane production. <i>FEBS Letters</i> , <b>1983</b> , 164, 371-4	3.8	53
82	Singlet oxygen formation detected by low-level chemiluminescence during enzymatic reduction of prostaglandin G <sub>2</sub> to H <sub>2</sub> . <i>Hoppe-Seyler's Zeitschrift für Physiologische Chemie</i> , <b>1983</b> , 364, 519-28		93
81	Decrease of flux through pyruvate dehydrogenase and branched-chain 2-oxo-acid dehydrogenase by nitrofurantoin in perfused rat liver. <i>Hoppe-Seyler's Zeitschrift für Physiologische Chemie</i> , <b>1983</b> , 364, 1439-46		
80	Cellular Redox Changes and Response to Drugs and Toxic Agents. <i>Toxicological Sciences</i> , <b>1983</b> , 3, 200-208	1.4	2
79	Decreased flux through pyruvate dehydrogenase by thiol oxidation during t-butyl hydroperoxide metabolism in perfused rat liver. <i>Hoppe-Seyler's Zeitschrift für Physiologische Chemie</i> , <b>1983</b> , 364, 977-87		37
78	Biological Basis of Detoxication of Oxygen Free Radicals <b>1983</b> , 181-211		16
77	Ethane release during metabolism of aldehydes and monoamines in perfused rat liver. <i>FEBS Journal</i> , <b>1983</b> , 134, 599-602		17
76	Oxidation of glutathione by the superoxide radical to the disulfide and the sulfonate yielding singlet oxygen. <i>FEBS Journal</i> , <b>1983</b> , 137, 29-36		184

75	Glutathione conjugation of benzo[a]pyrene-7,8-dihydrodiol and benzo[a]pyrene-7,8-dihydrodiol-9,10-oxide in the perfused rat liver. <i>Chemico-Biological Interactions</i> , <b>1983</b> , 44, 185-93	5	8
74	Identification and quantitation of glutathione in hepatic protein mixed disulfides and its relationship to glutathione disulfide. <i>Biochemical Pharmacology</i> , <b>1983</b> , 32, 2529-34	6	329
73	Inhibition of ethanol- and aldehyde-induced release of ethane from isolated perfused rat liver by pargyline and disulfiram. <i>Pharmacology Biochemistry and Behavior</i> , <b>1983</b> , 18 Suppl 1, 429-32	3.9	18
72	Low level chemiluminescence of liver microsomal fractions initiated by tert-butyl hydroperoxide. Relation to microsomal hemoproteins, oxygen dependence, and lipid peroxidation. <i>FEBS Journal</i> , <b>1982</b> , 124, 349-56		145
71	Rise of coenzyme A-glutathione mixed disulfide during hydroperoxide metabolism in perfused rat liver. <i>FEBS Journal</i> , <b>1982</b> , 127, 575-8		24
70	The role of glutathione in hepatic hydroperoxide metabolism. <i>Biochemical Society Transactions</i> , <b>1982</b> , 10, 79-80	5.1	3
69	Increase in hepatic mixed disulphide and glutathione disulphide levels elicited by paraquat. <i>Biochemical Pharmacology</i> , <b>1982</b> , 31, 1637-41	6	115
68	Competition between transport of glutathione disulfide (GSSG) and glutathione S-conjugates from perfused rat liver into bile. <i>FEBS Letters</i> , <b>1982</b> , 140, 73-6	3.8	91
67	Peroxisomal function in perfused liver as studied by organ photometry. <i>Annals of the New York Academy of Sciences</i> , <b>1982</b> , 386, 153-64	6.5	5
66	Metabolism of Organic Hydroperoxides <b>1982</b> , 307-321		10
65	Se and Non-Se Glutathione Peroxidases: Enzymology and Cell Physiology <b>1982</b> , 169-189		1
64	Inhibition of pyruvate dehydrogenase during the metabolism of glutamine and proline in hemoglobin-free perfused rat liver. <i>FEBS Journal</i> , <b>1982</b> , 126, 69-76		20
63	Ethane production by isolated perfused rat liver: a system to study metabolic effects related to lipid peroxidation. <i>FEBS Letters</i> , <b>1981</b> , 126, 241-4	3.8	34
62	Assay of glutathione, glutathione disulfide, and glutathione mixed disulfides in biological samples. <i>Methods in Enzymology</i> , <b>1981</b> , 77, 373-82	1.7	1114
61	Measurement of hydrogen peroxide formation in situ. <i>Methods in Enzymology</i> , <b>1981</b> , 77, 15-20	1.7	16
60	Hepatic calcium efflux during cytochrome P-450-dependent drug oxidations at the endoplasmic reticulum in intact liver. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1981</b> , 78, 3358-62	11.5	55
59	Low-level chemiluminescence of isolated hepatocytes. <i>FEBS Journal</i> , <b>1981</b> , 119, 531-6		85
58	Toxic drug effects associated with oxygen metabolism: redox cycling and lipid peroxidation. <i>Experientia</i> , <b>1981</b> , 37, 1233-41		598

57	Chemical depletion of glutathione in vivo. <i>Methods in Enzymology</i> , <b>1981</b> , 77, 50-9	1.7	158
56	The role of pH and the lack of a requirement for hydrogencarbonate in the regulation of hepatic glutamine metabolism. <i>Hoppe-Seyler's Zeitschrift für Physiologische Chemie</i> , <b>1980</b> , 361, 995-101		36
55	Functions of intracellular glutathione in hepatic hydroperoxide and drug metabolism and the role of extracellular glutathione. <i>Advances in Enzyme Regulation</i> , <b>1980</b> , 18, 303-20		62
54	From enzymology in vitro to physiological chemistry in vivo. <i>Trends in Biochemical Sciences</i> , <b>1980</b> , 5, 182-185		11
53	Increased biliary glutathione disulfide (GSSG) release in chronically ethanol-treated rats. <i>Advances in Experimental Medicine and Biology</i> , <b>1980</b> , 132, 619-25	3.6	2
52	Analysis of cellular electron transport systems in liver and other organs by absorbance and fluorescence techniques. <i>Methods of Biochemical Analysis</i> , <b>1980</b> , 26, 285-325		20
51	Hepatic glutamine metabolism under the influence of the portal ammonia concentration in the perfused rat liver. <i>FEBS Journal</i> , <b>1979</b> , 101, 179-84		86
50	Glutathione S-conjugate formation from 1-chloro-2,4-dinitrobenzene and biliary S-conjugate excretion in the perfused rat liver. <i>FEBS Journal</i> , <b>1979</b> , 96, 441-6		93
49	Hepatic mitochondrial and cytosolic glutathione content and the subcellular distribution of GSH-S-transferases. <i>FEBS Letters</i> , <b>1979</b> , 97, 138-40	3.8	169
48	Enzymatic measurement of adenine and guanine (plus inosine) triphosphates and diphosphates in isolated cells and the mitochondrial matrix compartment obtained from rat liver. <i>FEBS Letters</i> , <b>1979</b> , 105, 90-4	3.8	9
47	Increased biliary glutathione disulfide release in chronically ethanol-treated rats. <i>FEBS Letters</i> , <b>1979</b> , 103, 287-90	3.8	190
46	Methionine and thyroid hormone effects on <sup>14</sup> C <sub>2</sub> exhalation from [dimethylamino- <sup>14</sup> C]aminopyrine in intact phenobarbital-pretreated rats. <i>FEBS Letters</i> , <b>1979</b> , 103, 366-9 <sup>3.8</sup>		9
45	Assessment of the kidney function in maintenance of plasma glutathione concentration and redox state in anaesthetized rats. <i>FEBS Letters</i> , <b>1979</b> , 108, 335-40	3.8	79
44	A role of mitochondrial glutathione peroxidase in modulating mitochondrial oxidations in liver. <i>FEBS Journal</i> , <b>1978</b> , 84, 377-83		94
43	Glutathione efflux from perfused rat liver after phenobarbital treatment, during drug oxidations, and in selenium deficiency. <i>FEBS Journal</i> , <b>1978</b> , 89, 113-8		85
42	The disposition of formaldehyde and formate arising from drug N-demethylations dependent on cytochrome P-450 in hepatocytes and in perfused rat liver. <i>FEBS Journal</i> , <b>1978</b> , 89, 143-50		72
41	Reduced and oxidized glutathione efflux from liver. <i>FEBS Letters</i> , <b>1978</b> , 86, 89-91	3.8	161
40	Effect of oxygen concentration on the reaction of halothane with cytochrome P450 in liver microsomes and isolated perfused rat liver. <i>Biochemical Pharmacology</i> , <b>1978</b> , 27, 387-92	6	84



39	A new organ spectrophotometer for sensitive dual-wavelength absorbance measurement and spectral scanning of intact perfused organs. <i>Biological Chemistry</i> , <b>1978</b> , 359, 385-92	4.5	1
38	The use of perfusion of liver and other organs for the study of microsomal electron-transport and cytochrome P-450 systems. <i>Methods in Enzymology</i> , <b>1978</b> , 52, 48-59	1.7	196
37	ORGAN SPECTROPHOTOMETRY OF CYTOCHROME P-450 AND OF CATALASE LIGAND COMPLEXES IN INTACT PERFUSED LIVER <b>1978</b> , 1499-1505		
36	Oxygen gradients during hypoxic steady states in liver. Urate oxidase and cytochrome oxidase as intracellular O <sub>2</sub> indicators. <i>Hoppe-Seyler's Zeitschrift für Physiologische Chemie</i> , <b>1977</b> , 358, 1021-32		59
35	Mitochondrial and cytosolic NADPH systems and isocitrate dehydrogenase indicator metabolites during ureogenesis from ammonia in isolated rat hepatocytes. <i>FEBS Journal</i> , <b>1977</b> , 72, 301-7		75
34	Drug oxidations dependent on cytochrome P-450 in isolated hepatocytes. The role of the tricarboxylates and the aminotransferases in NADPH supply. <i>FEBS Journal</i> , <b>1977</b> , 77, 401-8		46
33	NICOTINAMIDE NUCLEOTIDE SYSTEMS AND DRUG OXIDATION IN THE LIVER CELL <b>1977</b> , 307-314		4
32	REDOX COMPARTMENTATION; A SURVEY WITH EMPHASIS ON CURRENT PROBLEMS <b>1977</b> , 47-64		6
31	Peroxisomal enzymes and oxygen metabolism in liver. <i>Advances in Experimental Medicine and Biology</i> , <b>1977</b> , 78, 51-60	3.6	19
30	Organ absorbance and fluorescence spectrophotometry and its application to oxygen-dependent parameters. <i>Advances in Experimental Medicine and Biology</i> , <b>1977</b> , 94, 119-25	3.6	2
29	Cytochrome oxidase and urate oxidase as intracellular O <sub>2</sub> indicators in studies of O <sub>2</sub> gradients during hypoxia in liver. <i>Advances in Experimental Medicine and Biology</i> , <b>1977</b> , 94, 561-6	3.6	14
28	The effect of tris(2-chloroethyl)amine on human hemoglobin. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>1976</b> , 294, 179-85	3.4	5
27	Exocytosis in secretory cells of rat lacrimal gland. Peroxidase release from lobules and isolated cells upon cholinergic stimulation. <i>Journal of Cell Biology</i> , <b>1976</b> , 70, 692-706	7.3	104
26	Hydroperoxide-metabolizing systems in rat liver. <i>FEBS Journal</i> , <b>1975</b> , 57, 503-12		240
25	Oxidation of cytochrome b <sub>5</sub> by hydroperoxides in rat liver. <i>FEBS Journal</i> , <b>1975</b> , 57, 513-20		34
24	Activation of pyruvate dehydrogenase during metabolism of ammonium ions in hemoglobin-free perfused rat liver. <i>FEBS Journal</i> , <b>1975</b> , 52, 421-31		82
23	A process requiring mitochondrial NADPH: urea formation from ammonia. <i>FEBS Letters</i> , <b>1975</b> , 54, 274-8	3.8	30
22	Mitochondrial nicotinamide nucleotide systems: ammonium chloride responses and associated metabolic transitions in hemoglobin-free perfused rat liver. <i>Biological Chemistry</i> , <b>1974</b> , 355, 305-20	4.5	50

21	Biochemie des Peroxysoms in der Leberzelle. <i>Angewandte Chemie</i> , <b>1974</b> , 86, 789-801	3.6	28
20	Biochemistry of the peroxisome in the liver cell. <i>Angewandte Chemie International Edition in English</i> , <b>1974</b> , 13, 706-18		55
19	Carbon-dioxide concentration and the distribution of monocarboxylate and H <sup>+</sup> ions between intracellular and extracellular spaces of hemoglobin-free perfused rat liver. <i>FEBS Journal</i> , <b>1973</b> , 38, 247-58		29
18	Heme occupancy of catalase in hemoglobin-free perfused rat liver and of isolated rat liver catalase. <i>Archives of Biochemistry and Biophysics</i> , <b>1973</b> , 154, 106-16	4.1	89
17	The role of H <sub>2</sub> O <sub>2</sub> generation in perfused rat liver and the reaction of catalase compound I and hydrogen donors. <i>Archives of Biochemistry and Biophysics</i> , <b>1973</b> , 154, 117-31	4.1	257
16	The properties of the secondary catalase- $\beta$ -peroxide complex (Compound II) in the hemoglobin-free perfused rat liver. <i>Archives of Biochemistry and Biophysics</i> , <b>1973</b> , 159, 704-711	4.1	17
15	Proton movement accompanying monocarboxylate permeation in hemoglobin-free perfused rat liver. <i>FEBS Letters</i> , <b>1972</b> , 22, 193-196	3.8	6
14	Oxidation in the NADP system and release of GSSG from hemoglobin-free perfused rat liver during peroxidatic oxidation of glutathione by hydroperoxides. <i>FEBS Letters</i> , <b>1972</b> , 27, 171-175	3.8	219
13	Direct measurement of the state of the lactate dehydrogenase system in hemoglobin-free perfused rat liver. <i>Advances in Enzyme Regulation</i> , <b>1972</b> , 10, 309-22		9
12	State of oxidation-reduction and state of binding in the cytosolic NADH-system as disclosed by equilibration with extracellular lactate-pyruvate in hemoglobin-free perfused rat liver. <i>FEBS Journal</i> , <b>1972</b> , 27, 301-17		146
11	CONTROL OF MITOCHONDRIAL ACTIVITY BY METABOLITES IN THE HEMOGLOBIN-FREE PERFUSED LIVER <b>1972</b> , 197-219		13
10	The state of NADPH-NADP + during mixed-function oxidation of hexobarbital in hemoglobin-free perfused rat liver. <i>Chemico-Biological Interactions</i> , <b>1971</b> , 3, 308-9	5	3
9	Interaction of mixed function oxidase with its substrates and associated redox transitions of cytochrome P-450 and pyridine nucleotides in perfused rat liver. <i>FEBS Journal</i> , <b>1970</b> , 15, 531-40		61
8	Positive increase of redox potential of the extramitochondrial NADP(H) system by mixed function oxidations in hemoglobin-free perfused rat liver. <i>FEBS Letters</i> , <b>1970</b> , 9, 205-208	3.8	25
7	The steady state level of catalase compound I in isolated hemoglobin-free perfused rat liver. <i>FEBS Letters</i> , <b>1970</b> , 11, 172-176	3.8	128
6	Steady state relaxation of enolase in vitro and metabolic throughput in vivo of red and white rabbit muscles. <i>FEBS Journal</i> , <b>1969</b> , 8, 273-83		25
5	Reduction kinetics and content of cytochrome P-450 by application of dual wavelength techniques to hemoglobin-free perfused rat liver. <i>FEBS Letters</i> , <b>1969</b> , 2, 167-169	3.8	26
4	Action of amobarbital on microsomal and mitochondrial respiratory state in perfused rat liver with and without phenobarbital induction. <i>FEBS Letters</i> , <b>1969</b> , 2, 170-172	3.8	12

3	On the state of mitochondria in perfused liver: Action of sodium azide on respiratory carriers and respiration. <i>FEBS Letters</i> , <b>1969</b> , 5, 319-323	3.8	16
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